Recipe: Install macOS and configure SSH access.

Model: google/gemini-3-flash-preview | **Started:** 2/26/2026, 11:06:35 AM | **Duration:** 28m 33s | **Result:** ✓ Done

Goal

I want you to install macos without apple id, user "user", password "password", save this credentials.

Do not enable location services.

After installation:

enable remote access (login) (ssh server), then get IP address of computer and save it to configuration. Then test ssh connection.

Assessment: Starting the task to install/configure macOS, set up credentials, and enable SSH.

Steps

1. power_on

Assessment: The machine needs to be powered on to start the installation or configuration process. **Clarification:** I'm powering on the VM to check if it's already installed or if I need to go through the setup assistant.

Params: wait_seconds=30

Vision:

Interface type: GUI

Root container (full screen):
- Background: blurred image with warm, earthy tones (browns, greens, darks) —
serves as a visual backdrop.
- Central text element:
  - Text: "안녕하세요" (Korean for "Hello")
  - Font: White, stylized handwritten or brush-style font, centered
horizontally and vertically.
  - Size: Large, dominates the visual hierarchy.
  - State: Static, non-interactive display text.
- Bottom center button element:
  - Icon: Small circular button with a white play-like symbol (▶) inside.
  - Text label: "시작하기" (Korean for "Start")
  - Position: Centered horizontally at the bottom of the screen, vertically
aligned below the main text.
  - State: Interactive button, currently in default/normal state (not pressed,
not highlighted). Likely triggers application launch or next step when
clicked.

Hierarchy:
- Root container
  └── Background image (blurred)
  └── Main text ("안녕하세요")
  └── Start button
      ├── Button icon (▶)

```
        └─ Button label ("시작하기")
```

No other UI elements or inputs are present. The interface is minimal and designed for user initiation.

2. secrets_set

Assessment: Saving the requested credentials before proceeding with the installation. **Clarification:** The user specified the username and password to be used for the macOS installation.

Params: detailed_description=macOS user credentials, first_factor=user, first_factor_type=username, value=password, force=false
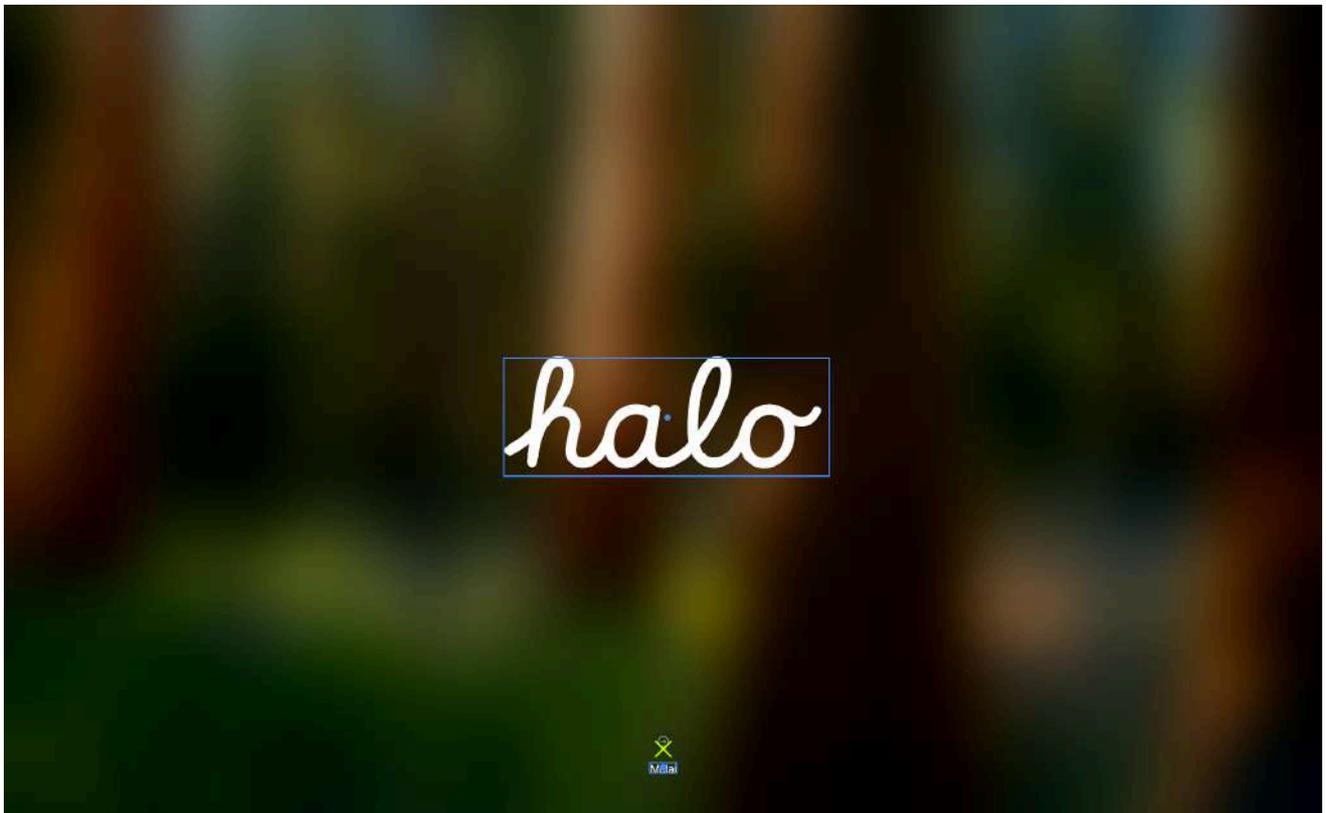
Result:

```
Secret set. id="63671b9f-e59b-4f30-b19a-08a780b723b3"
```

3. mouse_click

Assessment: The Setup Assistant is at the greeting screen in Korean. I need to click the start button to begin the setup process. **Clarification:** I'm clicking the button labeled '시작하기' (Start) to move to the language selection screen.

Params: element=시작하기 button, wait_seconds=5

click: [960, 1093] (element: "시작하기 button")

Vision:

Interface Type: GUI

Changes:
- The central text has changed from Korean to English.
- The Korean text "안녕하세요" (Annyeonghaseyo, meaning "Hello") has been
replaced with the English word "halo" in a similar cursive font.
- The button text at the bottom has changed from Korean to English.
- The Korean text "시작하기" (Sijak-hagi, meaning "Start") has been replaced
with the English word "Mulai" (which means "Start" in Indonesian/Malay).

Hierarchical Description of Changed UI Elements:

1. Main Screen / Background
   - Background: A blurred, out-of-focus image with warm, earthy tones
(browns, greens, and yellows).
   - State: Unchanged between images.

2. Central Text Element
   - Element: Large, stylized, white cursive text.
   - Parent: Center of the screen.
   - State Change:
     - Previous State: "안녕하세요" (Korean)
     - New State: "halo" (English)
     - Font Style: Remains the same cursive, handwritten-style font.
     - Color: Remains white.
     - Position: Remains centered on the screen.

3. Bottom Button Element
   - Element: A small circular button icon with text below it.
   - Parent: Bottom center of the screen.
   - State Change:
     - Previous State: Circular icon (likely a play or start symbol) with the
Korean text "시작하기" below it.
     - New State: Circular icon (same icon) with the English text "Mulai"
below it.
     - Icon: Unchanged (same circular symbol).
     - Text:
       - Previous Text: "시작하기" (Korean)
       - New Text: "Mulai" (English)
     - Font Style: Text is in a small, simple, sans-serif font.
     - Color: Text remains white.
   - Position: Remains centered at the bottom of the screen.

Note: The interface is clearly a GUI due to the presence of graphical elements
(text, icons, and a background image) and the lack of any text-based menus or

command-line prompts. The changes are localized to the text content while preserving the overall layout and design.

4. mouse_click

Assessment: The screen is cycling through languages. I'll click the start button again to proceed to the language selection. **Clarification:** Clicking 'Mulai' (Start) to advance the Setup Assistant.

Params: element=Mulai button, wait_seconds=5
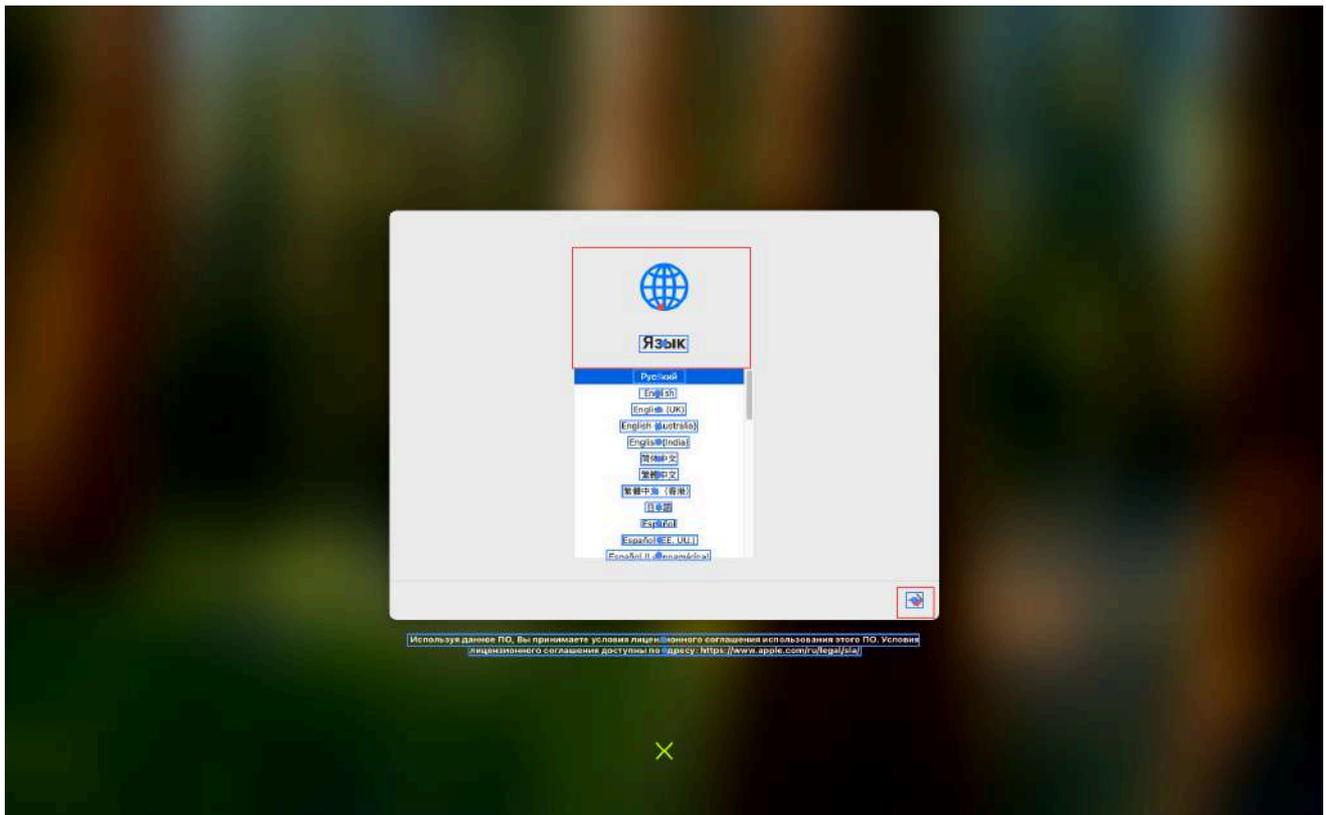
click: [960, 1092] (element: "Mulai button")

Vision:

```
Interface type: GUI

Changes detected:
- A modal dialog window has appeared centered on the screen, overlaying the
previous "halo" welcome screen.
- The background has been blurred to focus attention on the dialog.
- The previous "halo" text and "Mulai" button are no longer visible.

Hierarchical description of changed UI elements:

1. Modal Dialog Window
    - Position: Centered on screen
```

```
    - Background Color: Light gray
    - Border: Thin rounded corners
    - Content Area:
      - Icon: Globe icon (blue, centered at top)
      - Label: "Язык" (Russian for "Language")
      - List Box:
        - Selected Item: "Русский" (Russian)
        - Item List:
          - "Русский"
          - "English"
          - "English (UK)"
          - "English (Australia)"
          - "English (India)"
          - "        " (Simplified Chinese)
          - "        " (Traditional Chinese)
          - "            " (Traditional Chinese (Hong Kong))
          - "      " (Japanese)
          - "Español"
          - "Español (EE. UU.)"
          - "Español (Latinoamérica)"
        - Scrollbar: Vertical scrollbar on right side of list
    - Action Button:
      - Icon: Right-pointing arrow (→)
      - Position: Bottom-right corner of dialog
      - State: Enabled, ready for click

2. Footer Text (Visible below dialog)
   - Text: "Используя данное ПО, Вы принимаете условия лицензионного
соглашения использования этого ПО. Условия лицензионного соглашения доступны
по адресу: https://www.apple.com/ru/legal/sla/"
   - Language: Russian
   - State: Static, non-interactive text

The interface has transitioned from a minimal welcome screen to a language
selection dialog, indicating the user is being prompted to choose their
preferred language before proceeding.
```
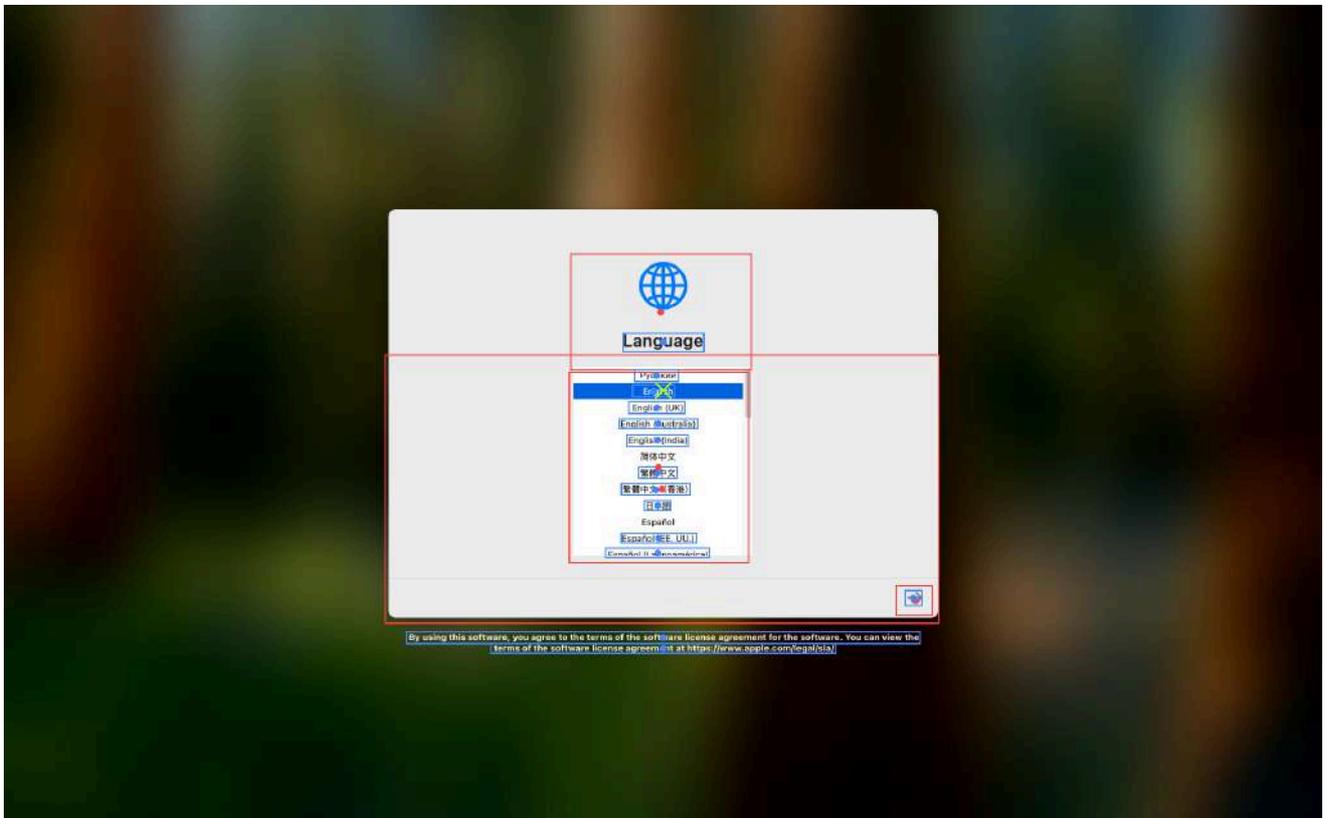
5. mouse_click

Assessment: I need to select English as the language. It is visible in the list. **Clarification:** Selecting English from the language list to proceed in English.

Params: element=English text in the language list box, wait_seconds=2

click: [960, 566] (element: "English text in the language list box")

Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The title text above the dropdown list changed from "Язык" (Russian) to
"Language" (English).
- The selected item in the dropdown list changed from "Русский" (Russian) to
"English".
- The legal disclaimer text at the bottom changed from Russian to English.

Hierarchical Description of Changed UI Elements and Their State:

1. Main Window
   - Background: Blurred gradient background (unchanged)
   - Window Border: Standard macOS window border (unchanged)

2. Content Area
   - Title Text:
     - Previous State: "Язык" (Russian)
     - Current State: "Language" (English)
   - Icon:
     - Previous State: Globe icon with Russian text context
     - Current State: Globe icon with English text context (icon unchanged
visually)
   - Dropdown List:
```

– Previous State: "Русский" selected (highlighted in blue)
        – Current State: "English" selected (highlighted in blue)
    – Dropdown List Items:
        – Previous State: "Русский" at top, followed by other languages
        – Current State: "English" at top, followed by other languages
    – Scroll Bar:
        – Previous State: Vertical scroll bar on right side of dropdown
(unchanged)
        – Current State: Vertical scroll bar on right side of dropdown
(unchanged)
    – Bottom Legal Disclaimer:
        – Previous State: Russian text: "Используя данное ПО, Вы принимаете
условия лицензионного соглашения использования этого ПО. Условия лицензионного
соглашения доступны по адресу: https://www.apple.com/ru/legal/sla/"
        – Current State: English text: "By using this software, you agree to the
terms of the software license agreement for the software. You can view the
terms of the software license agreement at https://www.apple.com/legal/sla/"

3. Navigation Arrow
    – Previous State: Right-pointing arrow button at bottom right (unchanged)
    – Current State: Right-pointing arrow button at bottom right (unchanged)

6. mouse_click

Assessment: English is selected. I'll click the arrow button to proceed. **Clarification:** Clicking the '→' arrow to continue to the next setup screen.

Params: element=→ button at bottom right, wait_seconds=5
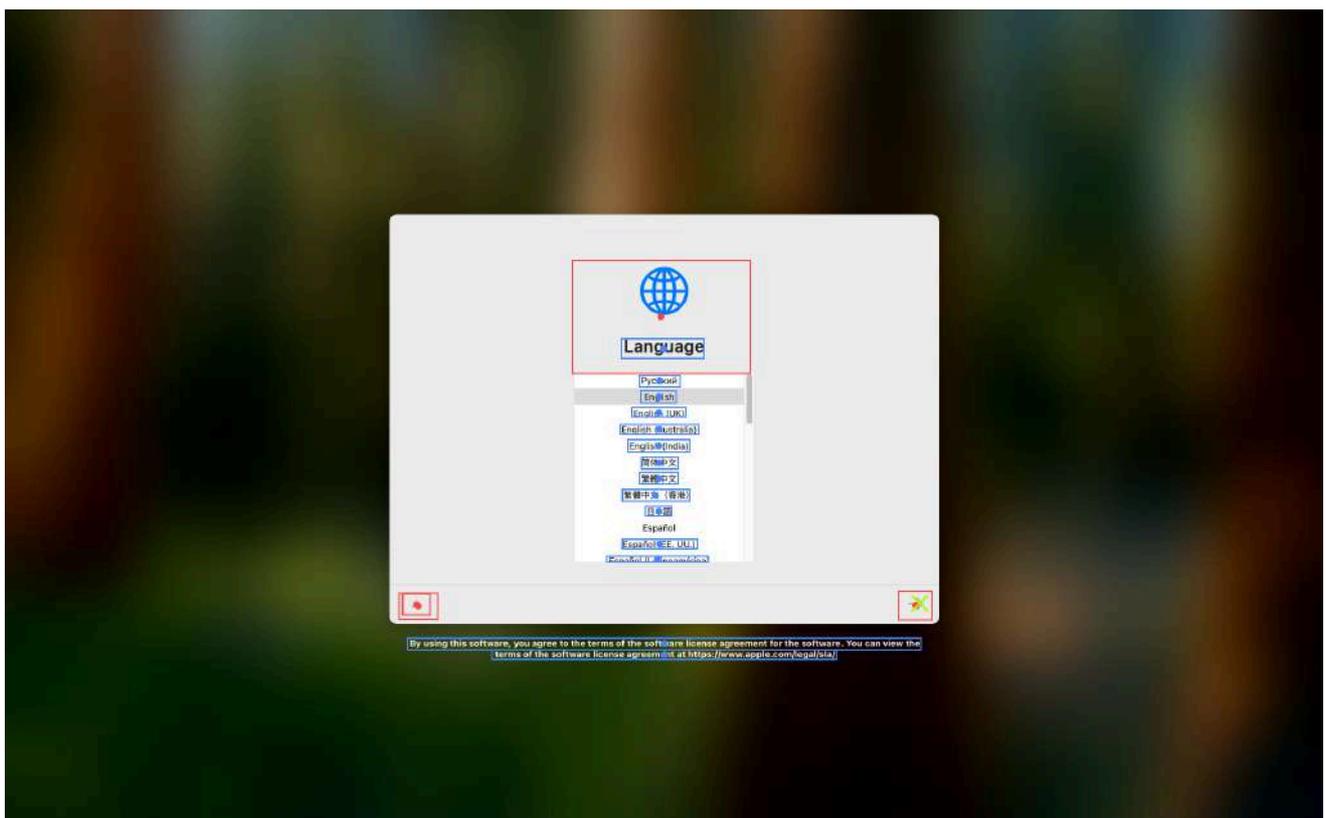
click: [1332, 870] (element: "→ button at bottom right")

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
– The selection state of the "English" option in the language dropdown has changed from selected (highlighted blue) to unselected (highlighted gray).

Hierarchical Description of Changed UI Elements and Their State:

1. Main Window
   – Type: Modal dialog
   – State: Visible and active
   – Content:
     – Icon: Globe icon (blue, centered at the top)
     – Title: "Language" (bold, centered below the icon)
     – Dropdown List: A vertically scrollable list of language options
       – Selected Item: "English" (state changed from selected to unselected)
       – Other Items:
         – "Русский"
         – "English (UK)"
         – "English (Australia)"
         – "English (India)"
         – "   "
         – "   "
         – "   (   )"
         – "   "
         – "Español"
         – "Español (EE. UU.)"
         – "Español (Latinoamérica)"
       – Scrollbar: Vertical scrollbar on the right side of the list
     – Bottom Bar:
       – Right Arrow Button: Arrow pointing right (→) – State: Enabled (visible)
       – Legal Notice Text: "By using this software, you agree to the terms of the software license agreement for the software. You can view the terms of the software license agreement at https://www.apple.com/legal/... – State: Visible and unchanged

Note: The change indicates that the user has deselected "English" from the dropdown list. The visual state reflects this by removing the blue highlight and applying a gray highlight instead.

7. mouse_click

Assessment: I previously clicked the arrow, but it didn't seem to advance the screen. I'll try clicking the arrow again. I will use the coordinates for the arrow button this time.
Clarification: Clicking the → button again to move to the Select Your Country or Region screen.

Params: x=1325, y=873, wait_seconds=5
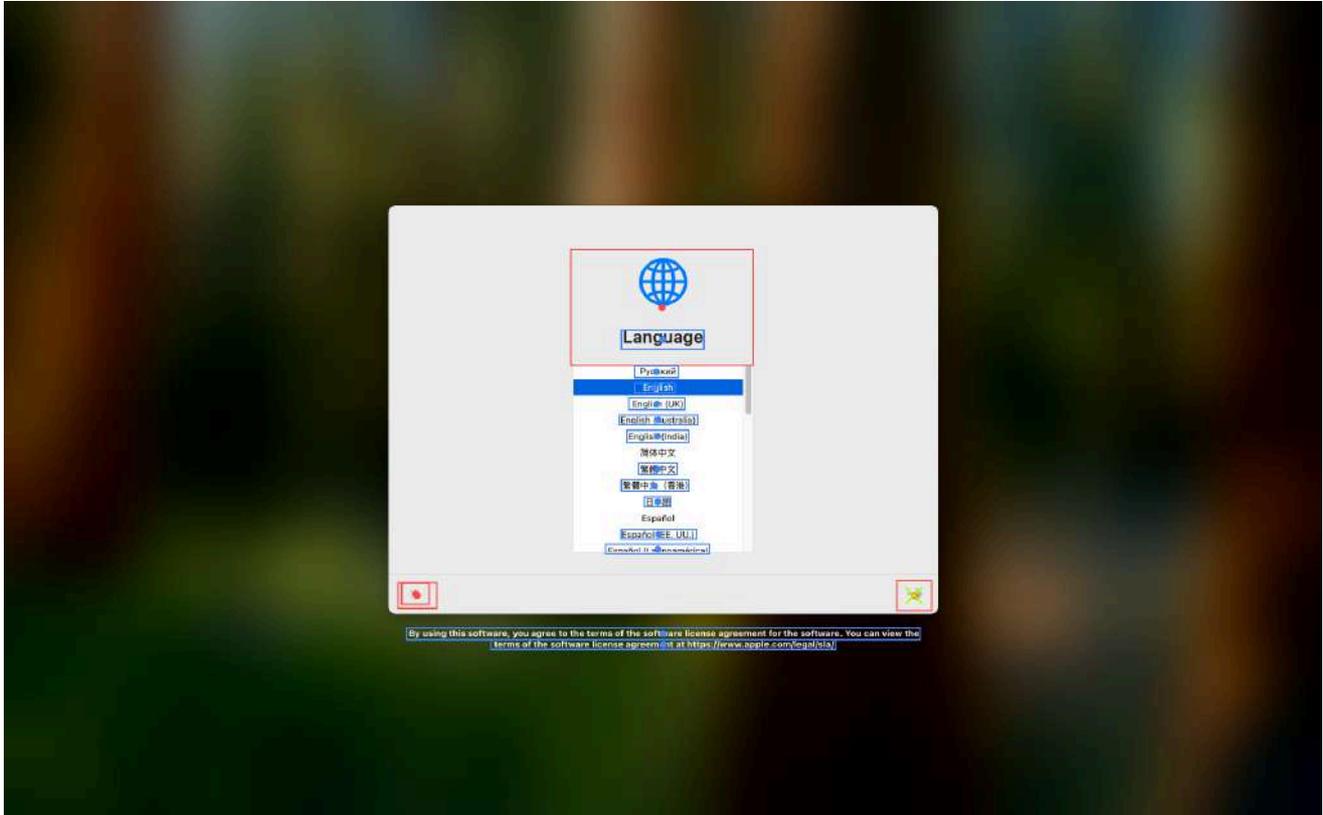
Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
— The selection state of the language option "English" in the dropdown list
has changed from a highlighted (gray) state to a selected (blue) state.

Hierarchical Description of Changed UI Elements and Their State:

— Root Window: A centered, rounded-rectangle modal window with a light gray
background.
   — Window Title Area: Contains a blue globe icon centered above the title
"Language" in bold black text.
   — Dropdown List Container: A white rectangular dropdown list positioned
centrally below the title.
      — List Item "English": The item labeled "English" is now highlighted with
a solid blue background, indicating it is the currently selected option.
         — Previous State: The item was highlighted with a gray background.
      — All other list items remain visually unchanged (white background, black
```

text).
   – Bottom Bar: A thin gray bar at the bottom of the window.
     – Left Side: A small, gray, circular icon with a starburst pattern.
     – Right Side: A right-pointing arrow icon (→) in gray.
   – Legal Notice Text: A line of small, gray text centered below the window,
stating: "By using this software, you agree to the terms of the software
license agreement for the software. You can view the terms of the software
license agreement at https://www.apple.com/legal/la/". This text is unchanged.

8. keyboard_type

Assessment: Clicking doesn't seem to work, or it is slow. I'll try pressing 'Return' to proceed. **Clarification:** Pressing Return to advance the Setup Assistant.

Params: sequence=["Return"], delay=100, wait_seconds=10
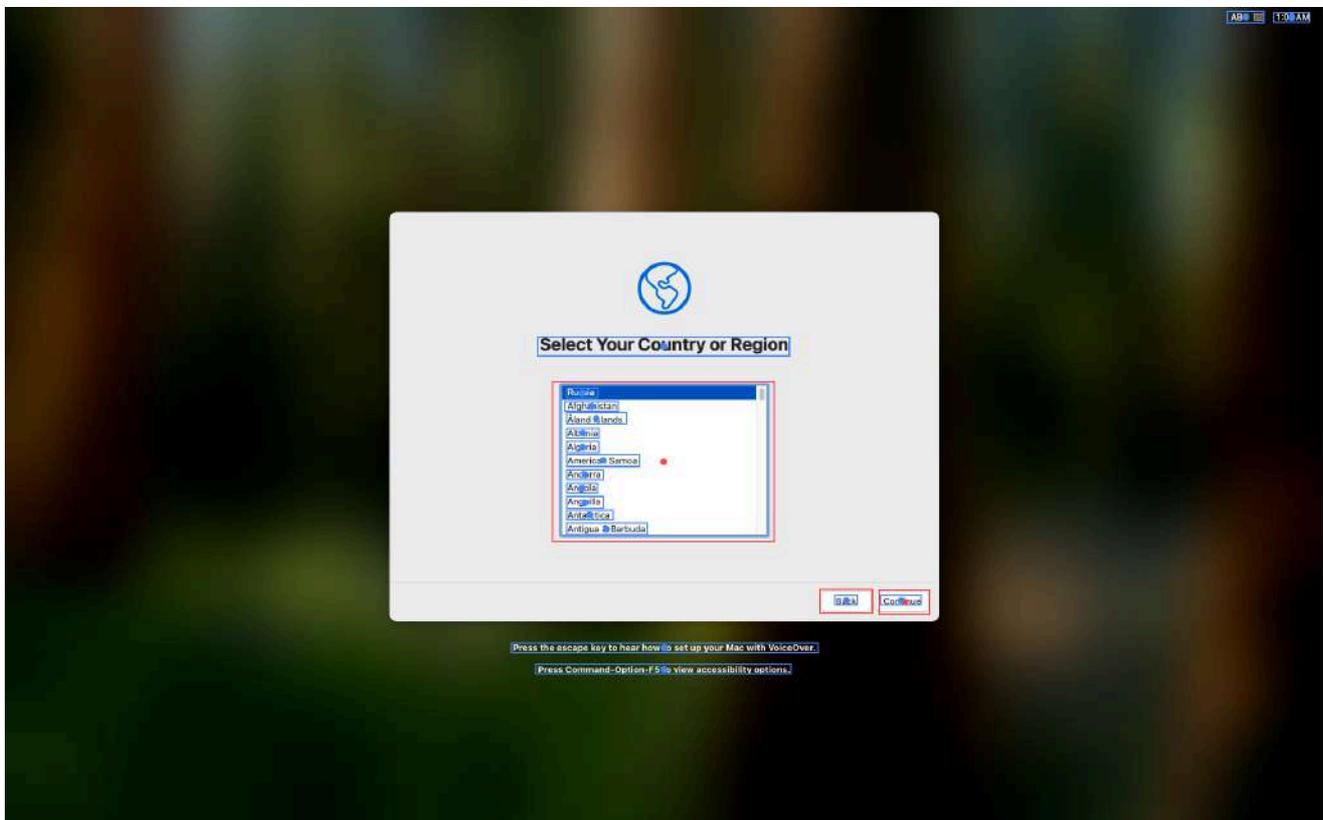
Vision:

Interface Type: GUI

Changes:
– The screen has changed from the Language selection screen to the Country or
Region selection screen.
– The title has changed from "Language" to "Select Your Country or Region".
– The list of options has changed from languages to countries/regions.
– The navigation buttons at the bottom have changed from a right-pointing
arrow to "Back" and "Continue" buttons.
– The footer text has changed to provide instructions for accessibility

features instead of the software license agreement.

Hierarchical Description of Changed UI Elements and Their State:

1. Window
    - Type: Dialog window
    - State: Active, centered on screen
    - Content:
        1.1. Title Label
            - Text: "Select Your Country or Region"
            - State: Selected, highlighted
        1.2. Icon
            - Type: Globe icon
            - State: Displayed above the title
        1.3. Country/Region List
            - Type: Dropdown list / Scrollable list
            - State: Expanded, showing options
            - Selected Item: "Russia" (highlighted in blue)
            - Visible Items:
                - Russia
                - Afghanistan
                - Åland Islands
                - Albania
                - Algeria
                - American Samoa
                - Andorra
                - Angola
                - Anguilla
                - Antarctica
                - Antigua & Barbuda
        1.4. Navigation Buttons
            - Type: Two buttons ("Back" and "Continue")
            - State: Visible at bottom of window
            - "Back" Button
                - State: Disabled (grayed out) or not selected
            - "Continue" Button
                - State: Enabled, ready for interaction
        1.5. Footer Text
            - Text: "Press the escape key to hear how to set up your Mac with VoiceOver. Press Command-Option-F5 to view accessibility options."
            - State: Displayed at bottom of window

2. Background
    - Type: Blurred background image
    - State: Unchanged from previous screen

3. Top Right Corner
    - Type: System status indicator

```
     - State: Displayed ("ABC" keyboard indicator and "1:09 AM" time)
     - State: New element not present in previous screen
```

9. keyboard_type

Assessment: I need to select a country. I'll search for 'United States' and then press Return to continue. **Clarification:** Typing 'United States' to quickly select the country and pressing Return to continue.

Params: sequence=["United States","Return"], delay=100, wait_seconds=10
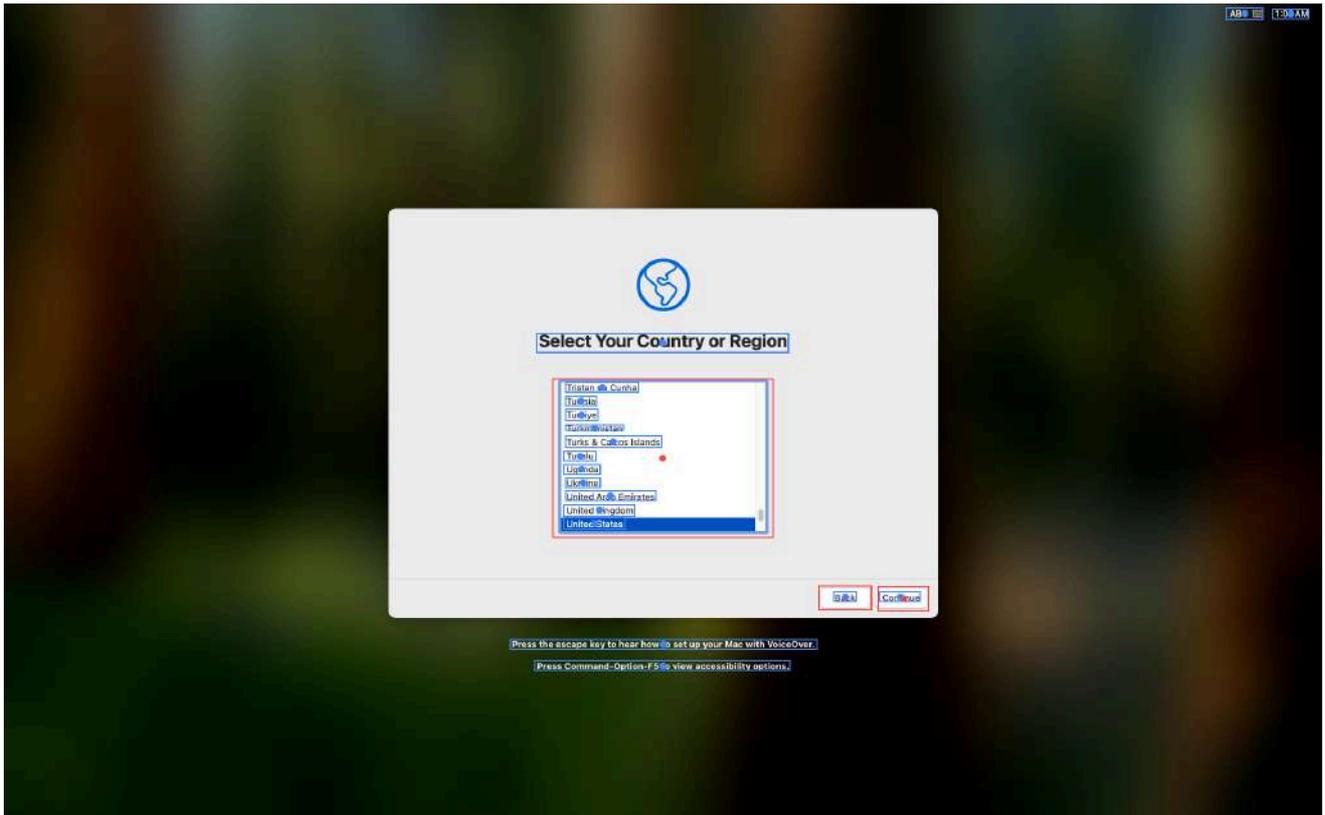
Vision:

```
 Interface Type: GUI (Graphical User Interface)

 Changes Detected:
 - The selected country in the dropdown list has changed from "Russia" to
 "United States".

 Hierarchical Description of Changed UI Elements and Their State:

 1. Main Window
     - Type: Modal dialog box
     - State: Visible and active
     - Content:
       - Title: "Select Your Country or Region"
       - Icon: Globe icon (blue outline) centered above the title
```

```
      - Dropdown List:
        - Type: List view with scroll bar
        - State: Scrolled to show items starting with "T" and ending with
 "United States"
        - Selected Item: "United States" (highlighted with blue background)
        - Visible Items:
          - Tristan da Cunha
          - Tunisia
          - Türkiye
          - Turkmenistan
          - Turks & Caicos Islands
          - Tuvalu
          - Uganda
          - Ukraine
          - United Arab Emirates
          - United Kingdom
          - United States (selected)
    - Buttons:
      - Type: Two standard buttons
      - State: Enabled
      - Left Button: "Back" (not selected)
      - Right Button: "Continue" (not selected)
    - Footer Text:
      - Type: Static text
      - State: Visible
      - Content: "Press the escape key to hear how to set up your Mac with
 VoiceOver. Press Command-Option-F5 to view accessibility options."
```

10. keyboard_type

Assessment: United States is selected. Pressing Return to continue. **Clarification:** Pressing Return to click Continue.

Params: sequence=["Return"], delay=100, wait_seconds=5
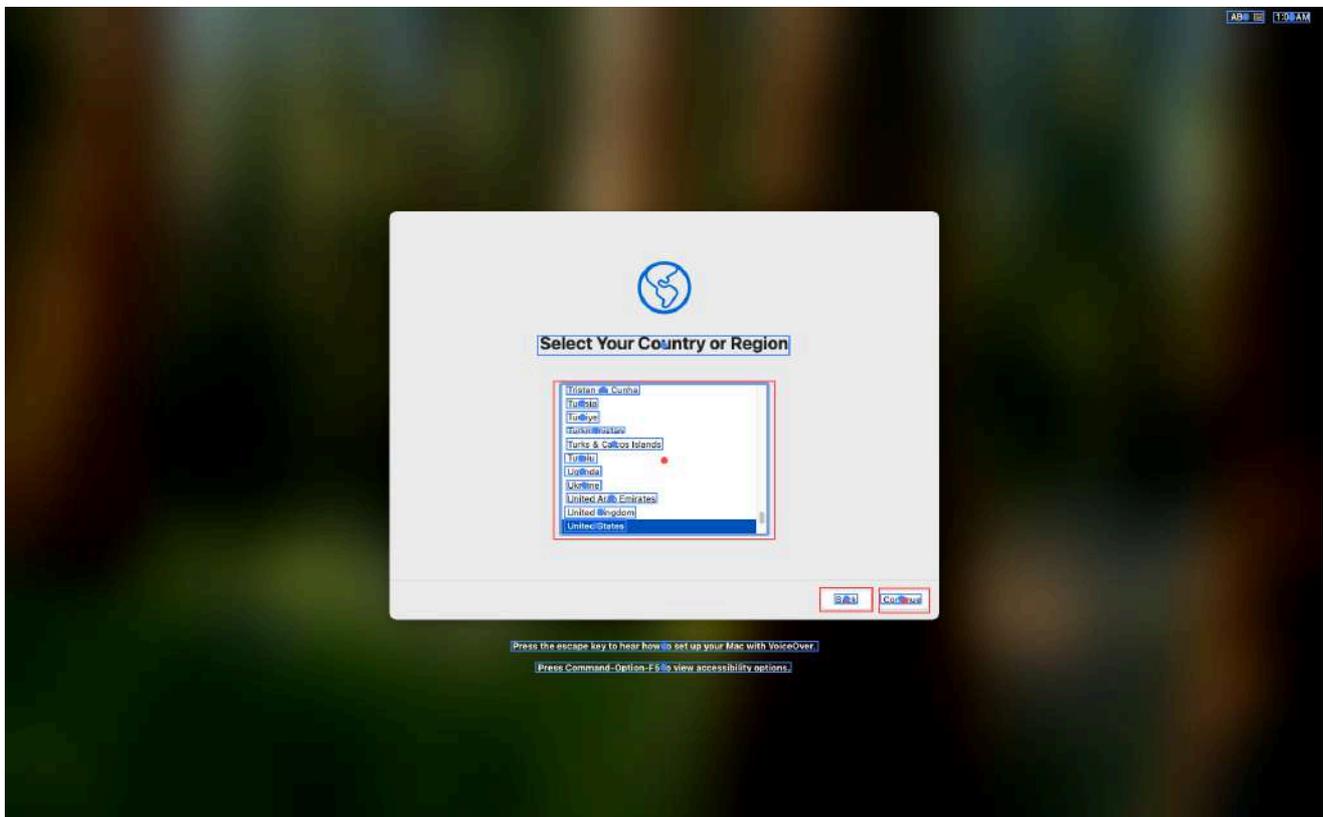
Vision:

No changes detected between the two images. The interface remains identical.

Interface Type: GUI (Graphical User Interface)

Hierarchy of UI Elements and Their State:

- Window (Modal Dialog)
  - Title: "Select Your Country or Region"
  - Icon: Globe icon (blue outline) centered above the title
  - Content Area
    - List Box (Country/Region Selector)
      - Scrollbar: Present on the right side
      - Selected Item: "United States" (highlighted with blue background)
      - Visible Items (top to bottom):
        - Tristan da Cunha
        - Tunisia
        - Türkiye
        - Turkmenistan
        - Turks & Caicos Islands
        - Tuvalu
        - Uganda
        - Ukraine
        - United Arab Emirates
        - United Kingdom
        - United States (selected)
  - Action Buttons (Bottom Right)

– Button: "Back" (inactive state, grayed out)
    – Button: "Continue" (active state, enabled)
  – Footer Text (Centered at bottom of window)
    – Line 1: "Press the escape key to hear how to set up your Mac with
VoiceOver."
    – Line 2: "Press Command-Option-F5 to view accessibility options."

11. mouse_click

Assessment: KeyPress didn't work. I'll click the Continue button directly. **Clarification:** Clicking the 'Continue' button to move to the 'Written and Spoken Languages' screen.
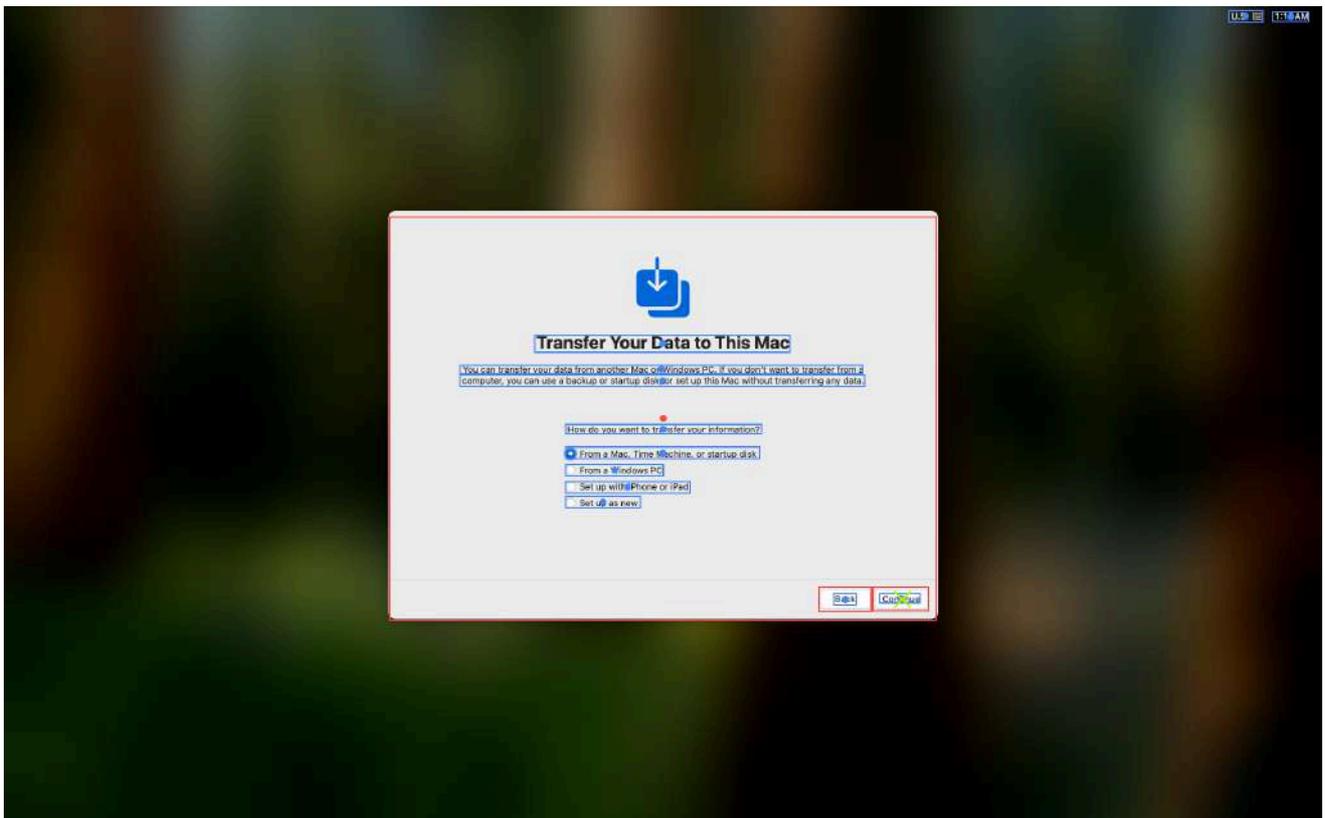
Params: element=Continue button, wait_seconds=5

click: [1308, 871] (element: "Continue button")

Vision:

```
Interface Type: GUI

Changes Detected:
– The screen has changed from the "Select Your Country or Region" setup screen
to the "Transfer Your Data to This Mac" setup screen.
– The header icon has changed from a globe to a download icon.
– The header text has changed from "Select Your Country or Region" to
"Transfer Your Data to This Mac".
– The main content area has changed from a list of countries to a set of radio
buttons for data transfer options.
```

- The bottom accessibility instructions have changed slightly (the time display now shows "U.S." instead of "ABC", indicating the region has been set).
- The selected country "United States" from the previous screen is no longer visible.

Hierarchical Description of Changed UI Elements and Their State:

1. Main Window Container
   - State: Visible, centered on the screen.
   - Content: Now displays the "Transfer Your Data to This Mac" screen.

2. Header Section
   - Header Icon
     - State: Changed to a blue download icon (two overlapping rectangles with a downward arrow).
   - Header Text
     - State: Changed to "Transfer Your Data to This Mac" (bold, centered).

3. Body Content Area
   - Subheader Text
     - State: "You can transfer your data from another Mac or Windows PC. If you don't want to transfer from a computer, you can use a backup or startup disk, or set up this Mac without transferring any data."
   - Radio Button Group
     - Label: "How do you want to transfer your information?"
     - Radio Button 1
       - Label: "From a Mac, Time Machine, or startup disk"
       - State: Selected (blue radio button indicator).
     - Radio Button 2
       - Label: "From a Windows PC"
       - State: Unselected (white radio button indicator).
     - Radio Button 3
       - Label: "Set up with iPhone or iPad"
       - State: Unselected (white radio button indicator).
     - Radio Button 4
       - Label: "Set up as new"
       - State: Unselected (white radio button indicator).

4. Footer Action Buttons
   - "Back" Button
     - State: Visible, unselected, white button with black text.
   - "Continue" Button
   - State: Visible, unselected, white button with black text.

5. Bottom Accessibility Instructions

– Text Line 1
    – State: "

12. mouse_click

Assessment: I need to set up as new. I'll select the 'Set up as new' option. Wait, looking at the layout, 'Set up as new' is one of the options. I'll click it. **Clarification:** Selecting 'Set up as new' to proceed without data transfer.

Params: element=Set up as new radio button, wait_seconds=2
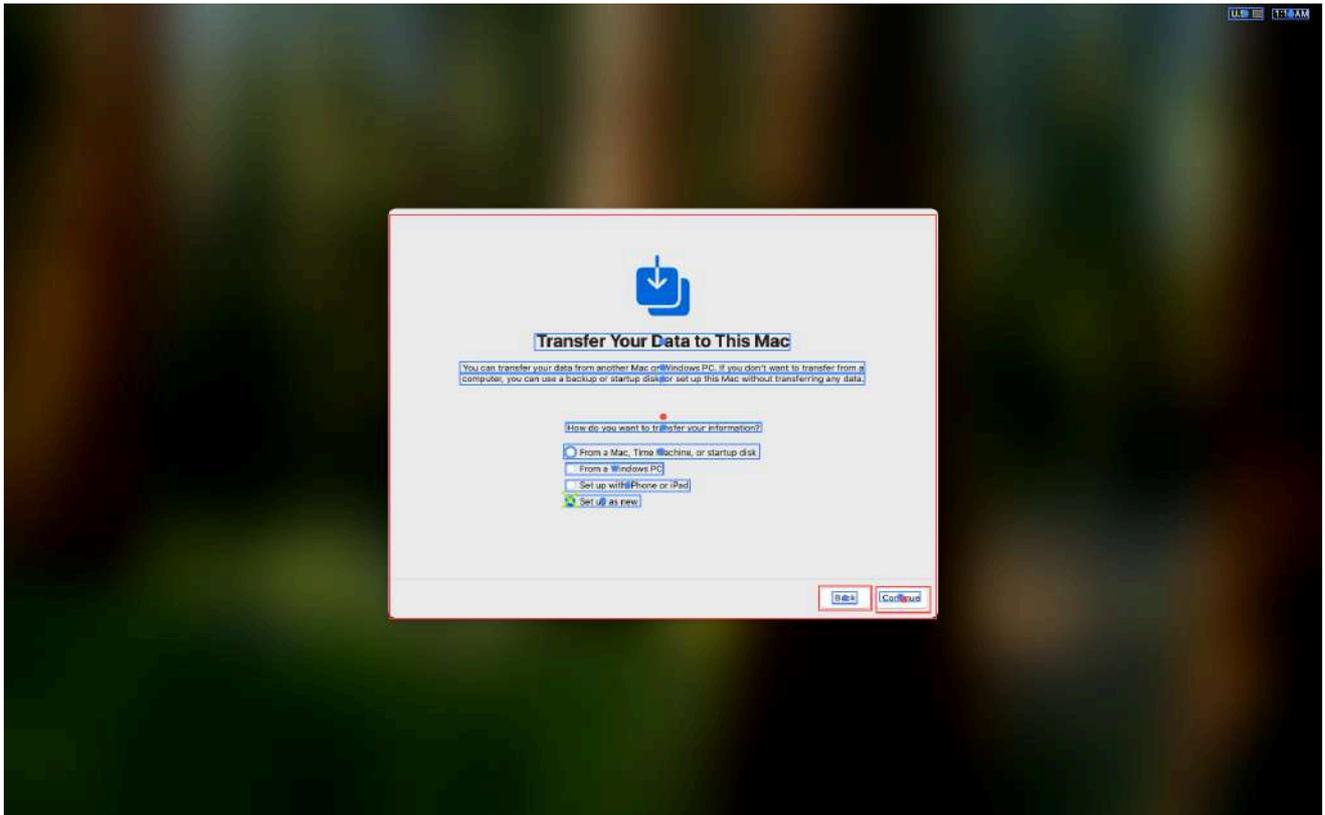
click: [824, 727] (element: "Set up as new radio button")

Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
– The selection in the radio button group has changed.
– The previously selected option, "From a Mac, Time Machine, or startup disk",
is now deselected.
– The new selected option, "Set up as new", is now selected.

Hierarchical Description of Changed UI Elements and Their State:

1. Main Window (Modal Dialog)
    – Title: "Transfer Your Data to This Mac"
```

```
   – Subtitle: "You can transfer your data from another Mac or Windows PC. If
you don't want to transfer from a computer, you can use a backup or startup
disk, or set up this Mac without transferring any data."
   – Icon: A blue icon depicting a downward arrow over a stack of disks.
   – Question Label: "How do you want to transfer your information?"
   – Radio Button Group:
     – Option 1: "From a Mac, Time Machine, or startup disk"
       – State: Unselected (unchecked circle)
     – Option 2: "From a Windows PC"
       – State: Unselected (unchecked circle)
     – Option 3: "Set up with iPhone or iPad"
       – State: Unselected (unchecked circle)
     – Option 4: "Set up as new"
       – State: Selected (filled blue circle)
   – Action Buttons (Bottom Right):
     – "Back" Button: Unchanged state (enabled, gray text on white background)
     – "Continue" Button: Unchanged state (enabled, gray text on white
background)
```

13. mouse_click

Assessment: Option 'Set up as new' is selected. Clicking Continue. **Clarification:**
Clicking 'Continue' to move to the 'Accessibility' or 'Apple ID' screen.

Params: element=Continue button, wait_seconds=5
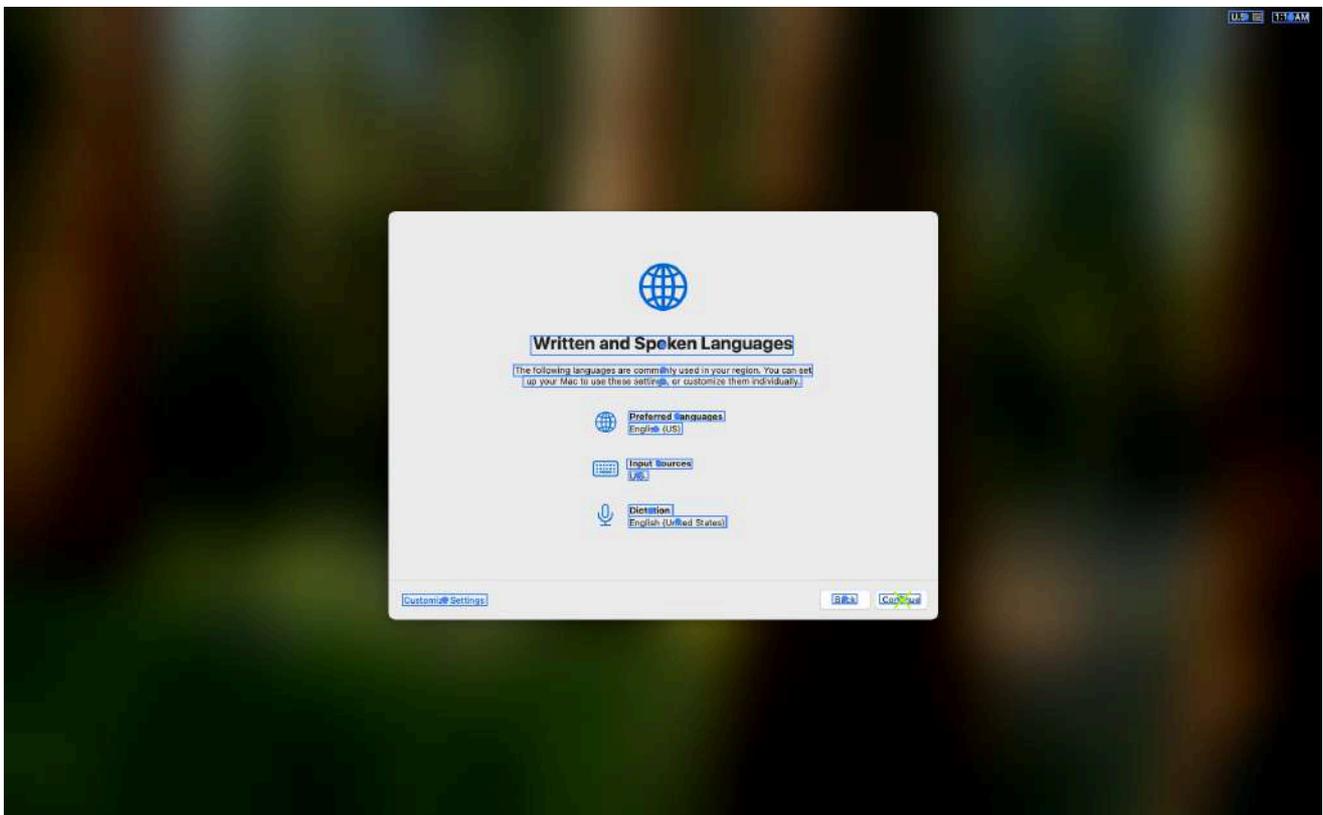
click: [1308, 871] (element: "Continue button")

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
— The screen has transitioned from the "Transfer Your Data to This Mac" setup screen to the "Written and Spoken Languages" setup screen.
— The content and layout have changed entirely, indicating progression to the next step in the macOS setup wizard.

Hierarchical Description of Changed UI Elements and Their State:

1. **Main Window/Dialog Box**
    *   **State:** Active, centered on the screen.
    *   **Content:** The entire window content has been replaced.

2. **Window Title**
    *   **Previous State (Image 1):** "Transfer Your Data to This Mac"
    *   **Current State (Image 2):** "Written and Spoken Languages"
    *   **Description:** The title has been updated to reflect the new screen's purpose.

3. **Window Icon**
    *   **Previous State (Image 1):** A blue icon depicting a download arrow over a folder.
    *   **Current State (Image 2):** A blue globe icon.
    *   **Description:** The icon has changed to represent language settings.

4. **Window Subtitle/Description Text**
    *   **Previous State (Image 1):** "You can transfer your data from another Mac or Windows PC...". This text is now absent.
    *   **Current State (Image 2):** "The following languages are commonly used in your region. You can set up your Mac to use these settings, or customize them individually."
    *   **Description:** The descriptive paragraph has been replaced with new text relevant to language configuration.

5. **Settings Section (List of Options)**
    *   **Previous State (Image 1):** A list of four radio button options for data transfer methods.
    *   **Current State (Image 2):** A list of three settings categories, each with its own icon and value.
        *   **Setting 1: Preferred Languages**
            *   **Icon:** A globe icon.
            *   **Label:** "Preferred Languages"
            *   **Value:** "English (US)"
            *   **State:** Selected/Configured.

```
        *    **Setting 2: Input Sources**
            *    **Icon:** A keyboard icon.
            *    **Label:** "Input Sources"
            *    **Value:** "U.S."
            *    **State:** Selected/Configured.
        *
```

14. mouse_click

Assessment: I'll continue with the default language settings. **Clarification:** Clicking 'Continue' on the 'Written and Spoken Languages' screen.

Params: element=Continue button, wait_seconds=5
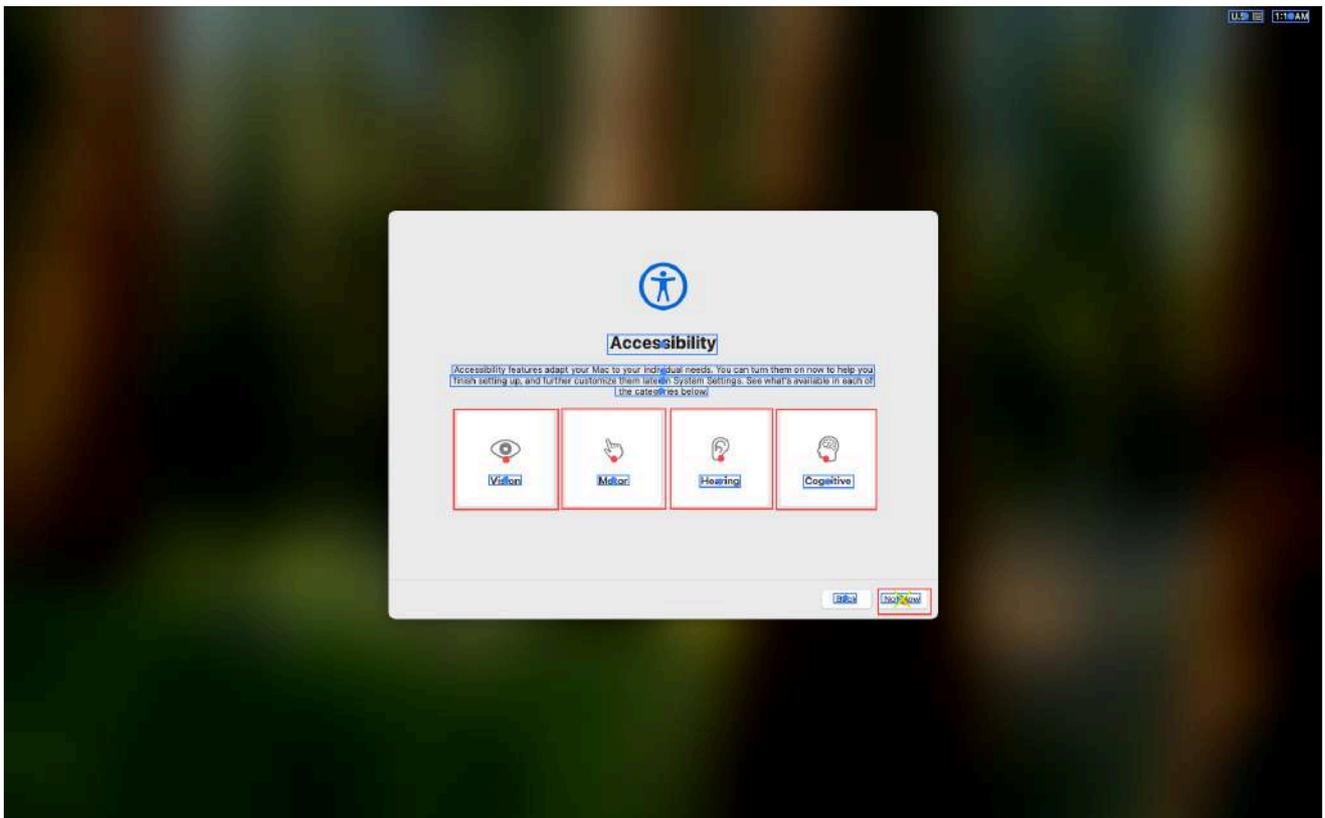
click: [1308, 871] (element: "Continue button")

Vision:

```
Changes:
- The screen content has changed from the "Written and Spoken Languages" setup
screen to the "Accessibility" setup screen.
- The title has changed from "Written and Spoken Languages" to
"Accessibility".
- The descriptive text has changed from describing language settings to
describing accessibility features.
- The central content area has changed from three configurable language
settings (Preferred Languages, Input Sources, Dictation) to four selectable
categories (Vision, Motor, Hearing, Cognitive).
```

— The bottom right action buttons have changed from "Back" and "Continue" to "Back" and "Not Now".

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical):

1. Window Container
   — Title: Changed from "Written and Spoken Languages" to "Accessibility"
   — Description Text: Changed from "The following languages are commonly used in your region. You can set up your Mac to use these settings, or customize them individually." to "Accessibility features adapt your Mac to your individual needs. You can turn them on now to help you finish setting up, and further customize them later in System Settings. See what's available in each of the categories below."
   — Central Content Area: Changed from three language setting items to four accessibility category buttons.

2. Central Content Area
   — Item 1: "Preferred Languages" (removed)
   — Item 2: "Input Sources" (removed)
   — Item 3: "Dictation" (removed)
   — Item 4: "Vision" button (added)
      — Icon: Eye icon
      — Label: "Vision"
   — Item 5: "Motor" button (added)
      — Icon: Hand cursor icon
      — Label: "Motor"
   — Item 6: "Hearing" button (added)
      — Icon: Ear icon
      — Label: "Hearing"
   — Item 7: "Cognitive" button (added)
      — Icon: Brain icon
      — Label: "Cognitive"

3. Bottom Action Buttons
   — Left Button: "Back" (unchanged)
   — Right Button: Changed from "Continue" to "Not Now"

4. Bottom Left Link
   — "Customize Settings" link: Removed (was present in the first screen)

All elements are currently in a default, unselected state. The "Vision", "Motor", "Hearing", and "Cognitive" buttons are unselected and appear as selectable items. The "

15. mouse_click

Assessment: I'll skip the accessibility settings. **Clarification:** Clicking 'Not Now' on the 'Accessibility' screen.

Params: element=Not Now button, wait_seconds=5
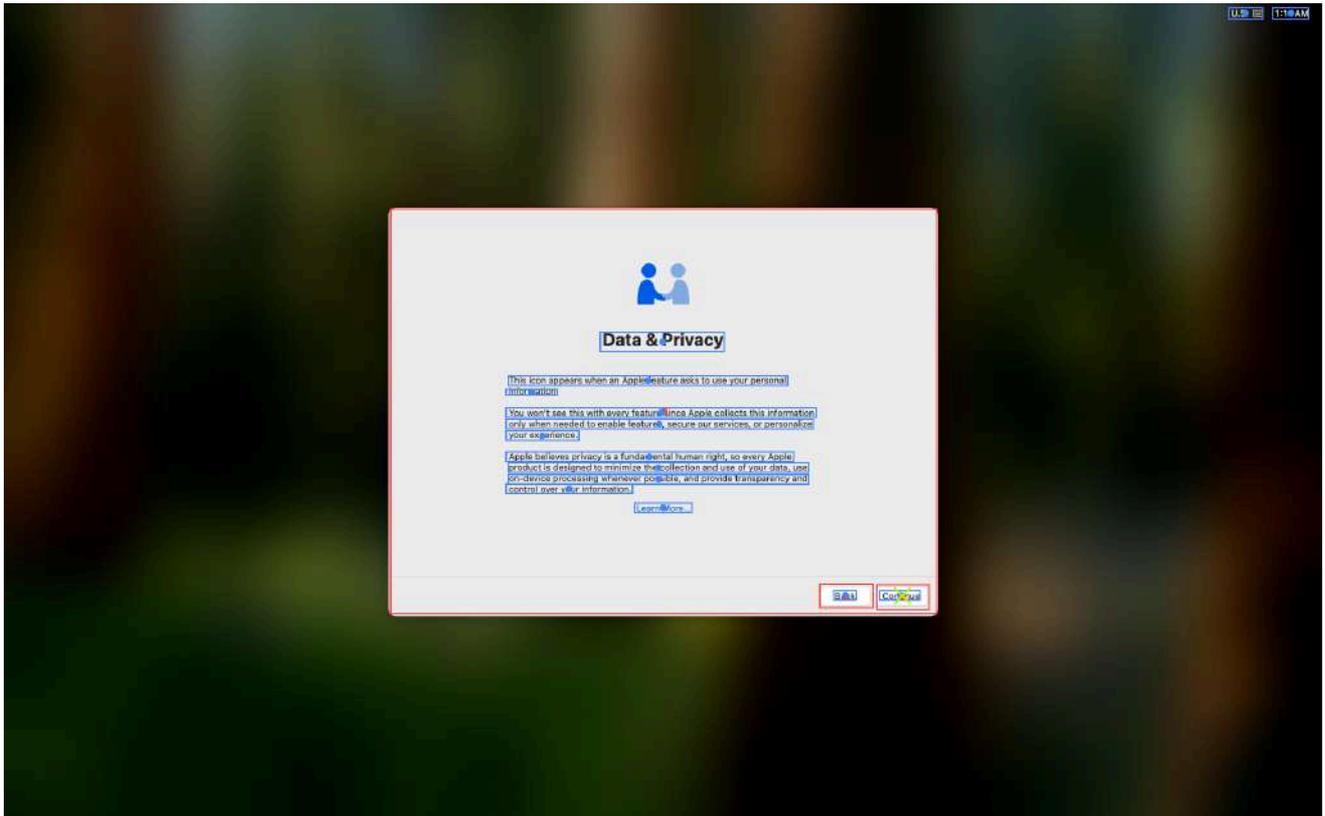
click: [1308, 870] (element: "Not Now button")

Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The window title changed from "Accessibility" to "Data & Privacy".
- The icon changed from a single person icon to two people holding hands.
- The descriptive text changed from explaining accessibility features to
explaining data and privacy policies.
- The four category buttons ("Vision", "Motor", "Hearing", "Cognitive") were
removed.
- The "Not Now" button was replaced with a "Continue" button.

Hierarchical Description of Changed UI Elements and Their State:

1. Window
    - Title: "Data & Privacy" (was "Accessibility")
    - Icon: Two people holding hands (was single person icon)
    - Background: Blurred desktop (unchanged)
    - Top-right corner: System status indicators (unchanged)
```

2. Main Content Area
    - Text Block (Description)
       - Content: "This icon appears when an Apple feature asks to use your
personal information. You won't see this with every feature since Apple
collects this information only when needed to enable features, secure our
services, or personalize your experience. Apple believes privacy is a
fundamental human right, so every Apple product is designed to minimize the
collection and use of your data, use on-device processing whenever possible,
and provide transparency and control over your information."
       - Link: "Learn More..." (was not present)
    - Button: "Continue" (was "Not Now")
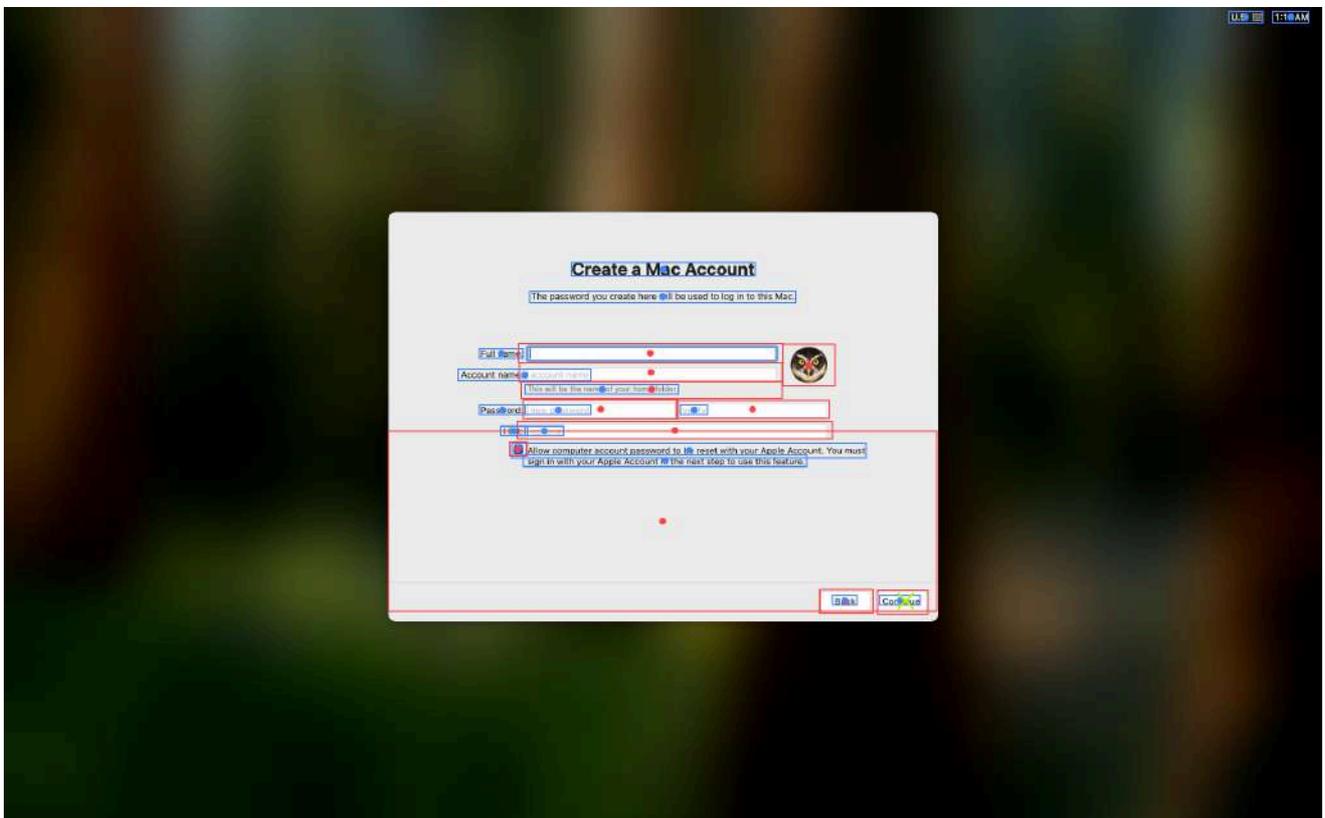   - Button: "Back" (unchanged)

3. Bottom Buttons
    - Left Button: "Back" (unchanged)
    - Right Button: "Continue" (was "Not Now")

16. mouse_click

Assessment: I'll continue past the Data & Privacy screen. **Clarification:** Clicking 'Continue' on the 'Data & Privacy' screen.

Params: element=Continue button, wait_seconds=5

click: [1313, 870] (element: "Continue button")

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
— The window title changed from "Data & Privacy" to "Create a Mac Account".
— The content area changed from a privacy explanation to account creation fields.
— The icon above the title changed from two stylized people to an owl avatar.
— The explanatory text below the title changed from describing privacy icons to explaining the purpose of the account password.
— The "Learn More..." link was removed.
— New input fields were added: "Full name:", "Account name:", "Password:", and "Hint:".
— A checkbox labeled "Allow computer account password to be reset with your Apple Account..." was added and is checked by default.

Hierarchical Description of Changed UI Elements and Their State:

1. Window
    — Title: "Create a Mac Account"
    — Subtitle: "The password you create here will be used to log in to this Mac."
    — Icon: Owl avatar (to the right of the subtitle)
    — Bottom buttons: "Back" and "Continue"

2. Form Fields
    — Field 1: "Full name:"
      — State: Text input field is focused and empty.
    — Field 2: "Account name:"
      — State: Text input field contains placeholder text "account name".
      — Subtext: "This will be the name of your home folder."
    — Field 3: "Password:"
      — State: Text input field contains placeholder text "new password".
      — Subfield: "verify" (text input field, empty)
    — Field 4: "Hint:"
      — State: Text input field contains placeholder text "optional".

3. Checkbox
    — Label: "Allow computer account password to be reset with your Apple Account. You must sign in with your Apple Account in the next step to use this feature."
   — State: Checked (selected)

4. Bottom Buttons
    — Left button: "Back" (disabled or inactive state)
    — Right button: "Continue" (enabled state)

17. keyboard_type

Assessment: I need to enter the full name 'user' and the account name 'user'. Then the password. I'll also uncheck the 'Allow... reset with Apple Account' since the user wants a Mac without Apple ID. **Clarification:** Filling in the account details: user, user, password, password. Unchecking the Apple Account reset option.

Params: sequence=["user","\t","user","\t","password","\t","password","\t","\t"," \t","Return...,
delay=100, wait_seconds=5
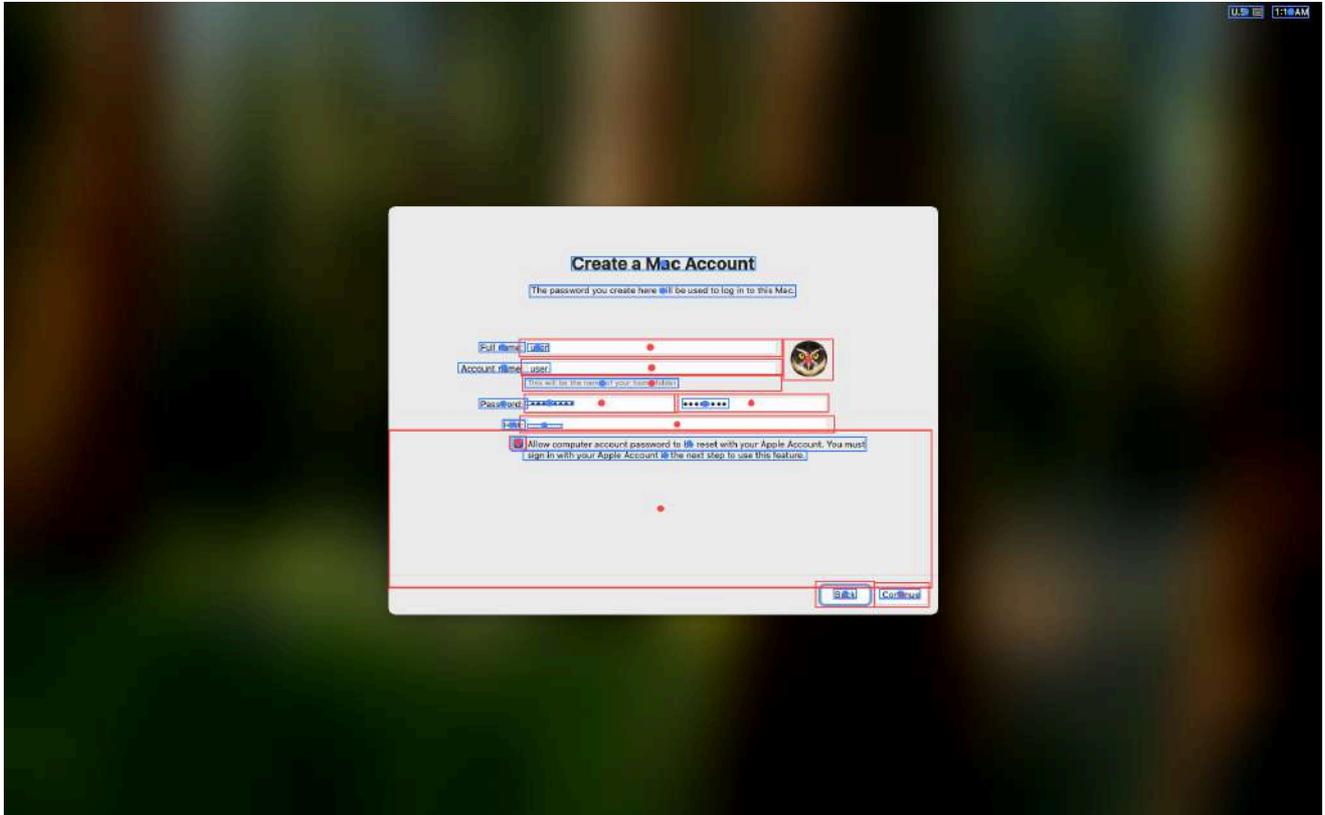
Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The text in the "Full name:" field has been changed from empty to "user".
- The text in the "Account name:" field has been changed from "account name"
to "user".
- The text in the "Password:" field has been changed from "new password" to
obscured characters (asterisks).
- The text in the "verify" field has been changed from empty to obscured
characters (asterisks).
- The "Back" button is now highlighted with a blue border, indicating it is
focused or active.

Hierarchical Description of Changed UI Elements and Their State:

1. Window
   - Title: "Create a Mac Account"
```

```
      - Subtitle: "The password you create here will be used to log in to this
  Mac."

  2. Form Fields
      - Field: "Full name:"
         - State: Text entered, value is "user".
      - Field: "Account name:"
         - State: Text entered, value is "user".
         - Subtext: "This will be the name of your home folder."
      - Field: "Password:"
         - State: Text entered, value is obscured (asterisks).
      - Field: "verify"
         - State: Text entered, value is obscured (asterisks).
      - Field: "Hint:"
         - State: Text entered, value is "optional".

  3. Checkbox
      - Label: "Allow computer account password to be reset with your Apple
  Account. You must sign in with your Apple Account in the next step to use this
  feature."
      - State: Checked (selected).

  4. Buttons
      - Button: "Back"
         - State: Focused (highlighted with blue border).
      - Button: "Continue"
         - State: Default (no highlight).
```

18. mouse_click

Assessment: I need to uncheck the 'Allow... reset with Apple Account' checkbox first. It is currently checked. Wait, the user wants 'without apple id'. I should also make sure to skip Apple ID later. First, uncheck this. **Clarification:** Unchecking the box to allow password reset with Apple Account and clicking Continue.

Params: element=Allow computer account password to be reset checkbox, wait_seconds=2
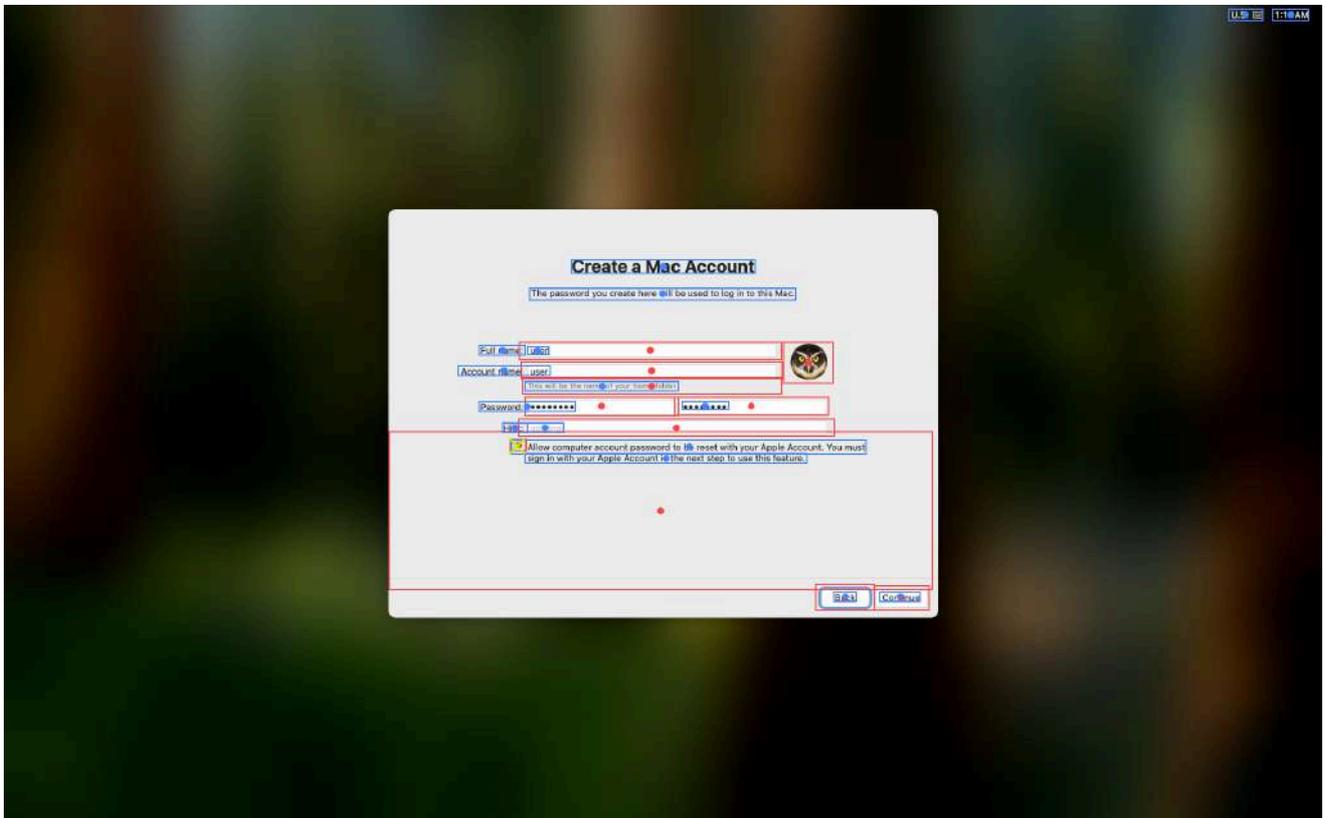
click: [747, 648] (element: "Allow computer account password to be reset checkbox")

Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The checkbox labeled "Allow computer account password to be reset with your
Apple Account. You must sign in with your Apple Account in the next step to
use this feature." has been toggled from checked to unchecked.

Hierarchical Description of Changed UI Elements and Their State:

- Window: "Create a Mac Account"
  - Subtitle: "The password you create here will be used to log in to this
Mac."
    - Field: "Full name:"
      - Value: "user"
    - Field: "Account name:"
      - Value: "user"
      - Tooltip: "This will be the name of your home folder."
    - Field: "Password:"
      - Value: "••••••••" (masked)
      - Value: "••••••••" (masked)
    - Field: "Hint:"
      - Value: "optional"
    - Checkbox:
      - Label: "Allow computer account password to be reset with your Apple
```

Account. You must sign in with your Apple Account in the next step to use this feature."
     — State: UNCHECKED
   — Button: "Back"
     — State: Enabled
   — Button: "Continue"
     — State: Enabled

Note: All other elements remain unchanged from the previous state. The primary change is the state of the checkbox, which is now unchecked.

19. mouse_click

Assessment: Checkbox is unchecked. Clicking Continue. **Clarification:** Clicking 'Continue' to finish account creation.

Params: element=Continue button, wait_seconds=5
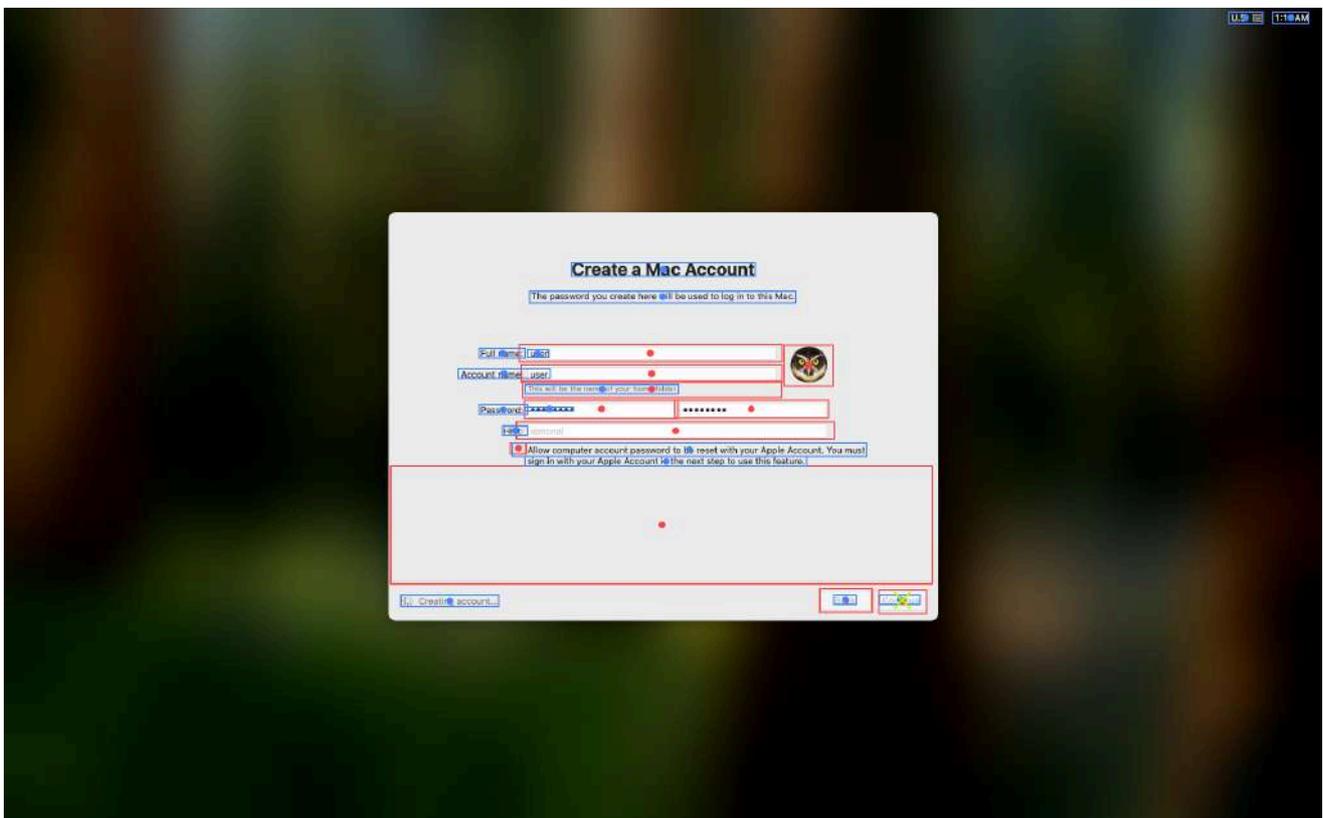
click: [1308, 870] (element: "Continue button")

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
— A new UI element has been added at the bottom-left of the dialog window.
— The "Back" and "Continue" buttons have become disabled (grayed out).

```
Hierarchical Description of Changed UI Elements and Their State:

1. Dialog Window (Root Container)
   2. Bottom Status Bar (newly added element)
      3. Status Indicator (leftmost element)
         – Icon: A small, circular loading spinner (or similar animation icon)
is displayed.
         – Text: "Creating account..." is displayed next to the icon.
         – State: This element is active, indicating a background process is
in progress.
   4. Button Bar (bottom-right, previously existing)
      5. "Back" Button
         – State: Disabled (grayed out, non-interactive).
      6. "Continue" Button
         – State: Disabled (grayed out, non-interactive).
```

20. wait

Assessment: Waiting for account creation to complete. This is a background process.
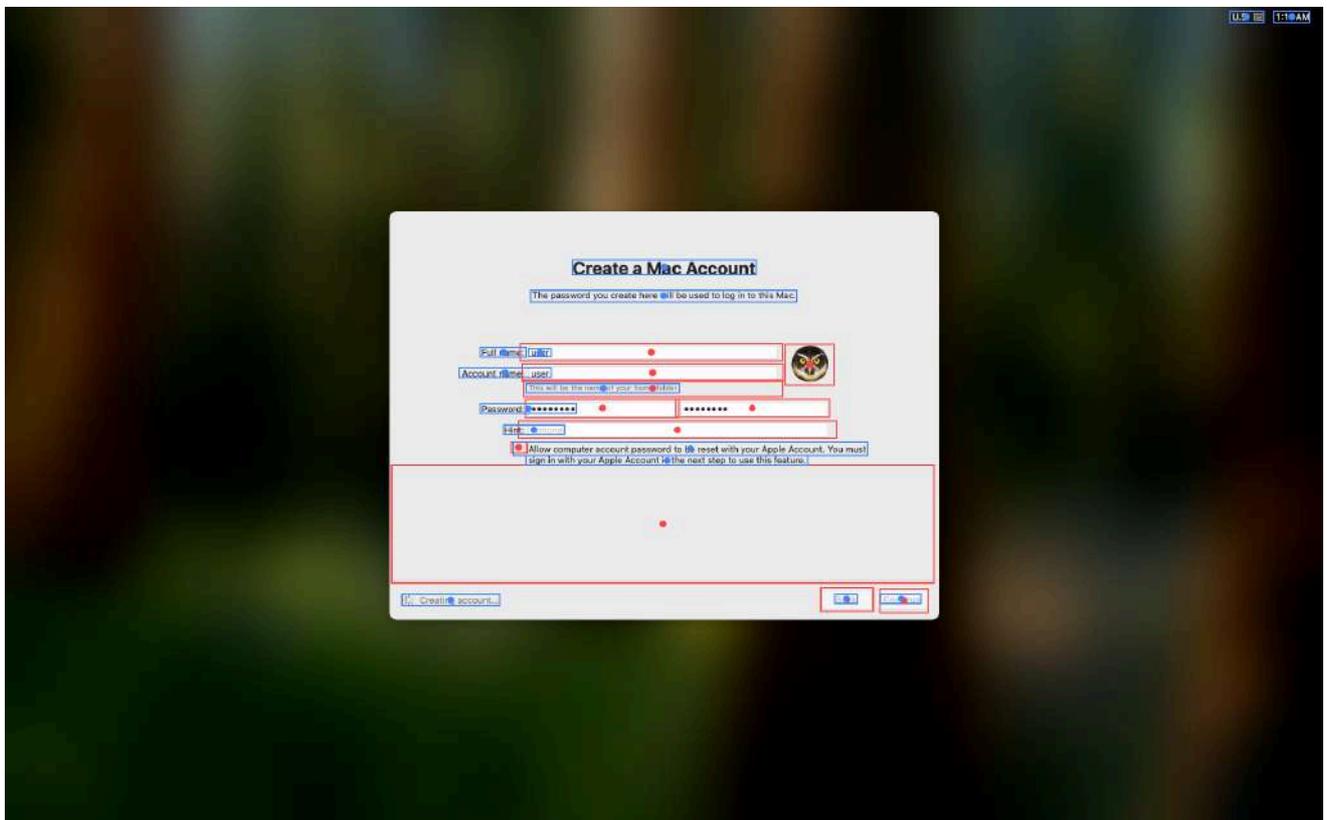**Clarification:** Waiting 15 seconds for the account to be created.

Params: seconds=15

Result:

```
Waited 15 seconds
```

21. take_snapshot

Assessment: Checking the status after account creation. **Clarification:** Capturing snapshot to see the next setup screen.

Params: fresh_view=true

Vision:

Interface type: GUI (Graphical User Interface)

Root Window:
- Title: "Create a Mac Account"
- Subtitle: "The password you create here will be used to log in to this Mac."
- Background: Blurred desktop image
- Top-right corner: System status indicators (U.S., battery icon, time: 1:13 AM)

Main Content Area:
- Form fields section:
  - Field: "Full name:"
    - Value: "user"
    - Input type: Text field (single-line)
    - State: Populated with text
  - Field: "Account name:"
    - Value: "user"
    - Input type: Text field (single-line)
    - State: Populated with text
    - Tooltip text: "This will be the name of your home folder."
  - Field: "Password:"
    - Value: "********" (masked characters)
    - Input type: Password field (single-line)
    - State: Populated with password (masked)
  - Field: "Hint:"
    - Value: "optional"

```
  – Input type: Text field (single-line)
  – State: Populated with text
- Checkbox:
  – Label: "Allow computer account password to be reset with your Apple
Account. You must sign in with your Apple Account in the next step to use this
feature."
  – State: Unchecked
- Status indicator:
  – Text: "Creating account..."
  – Icon: Spinning loading indicator (asterisk-like symbol)
  – State: Active, indicating ongoing process

Action Buttons (bottom-right):
– Button: "Back"
  – State: Disabled (grayed out, not clickable)
– Button: "Continue"
  – State: Disabled (grayed out, not clickable)

Note: Both action buttons are disabled because the system is currently
processing the account creation, as indicated by the "Creating account..."
status message.
```

22. wait

Assessment: Account creation still in progress. Waiting another 15 seconds.
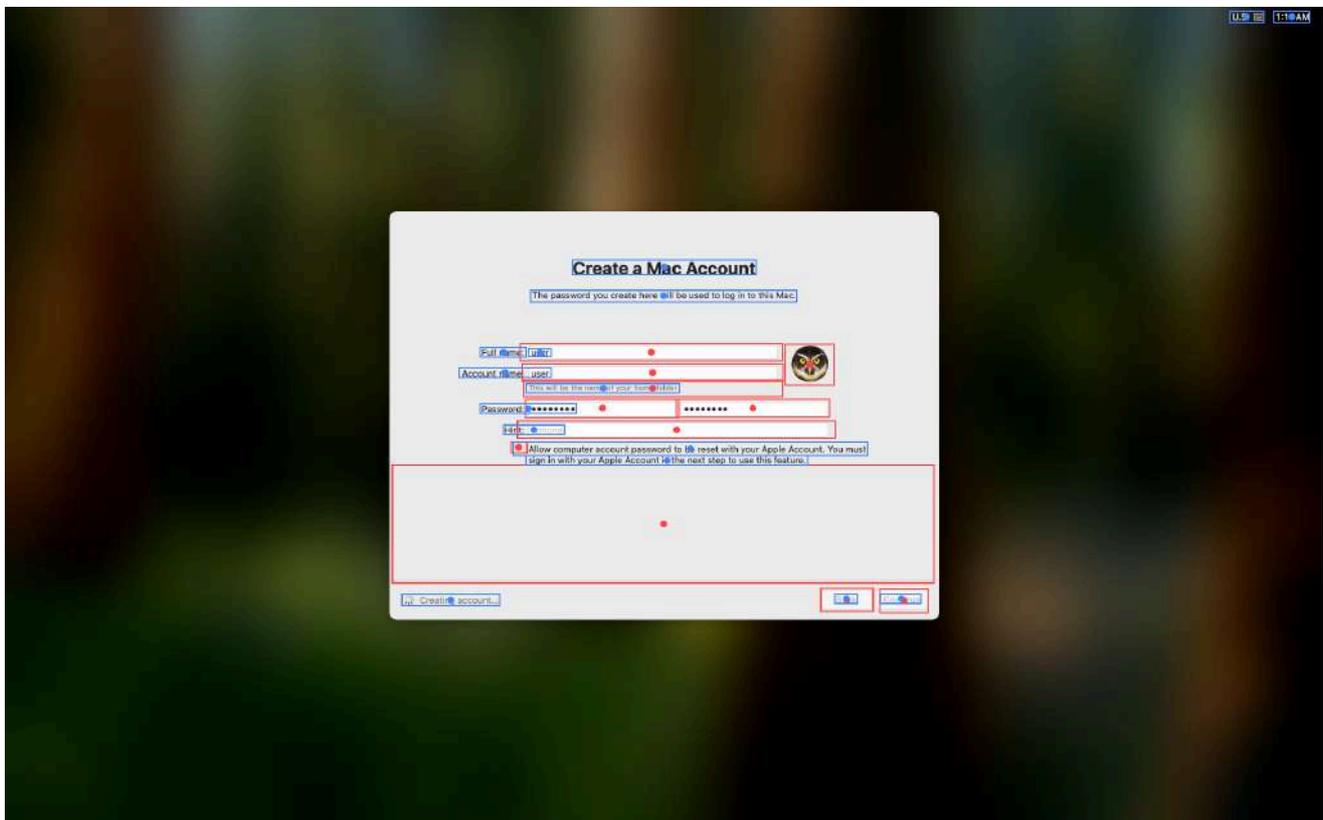**Clarification:** Waiting for account creation to finish.

Params: seconds=15

Result:

```
 Waited 15 seconds
```

23. take_snapshot

Assessment: Checking if account creation is done. **Clarification:** Capturing snapshot to
see the next setup screen.

Params: fresh_view=true

Vision:

Interface type: GUI (Graphical User Interface)

Root Window:
- Type: Dialog window / Modal sheet
- Title: "Create a Mac Account"
- Description text: "The password you create here will be used to log in to this Mac."
- Background: Blurred desktop wallpaper
- Status bar at bottom: "Creating account..." with spinning loading indicator

Form Fields (vertical layout):
1. Full name field:
   - Label: "Full name:"
   - Input type: Text field
   - Value: "user"
   - Placeholder: None
   - State: Filled

2. Account name field:
   - Label: "Account name:"
   - Input type: Text field
   - Value: "user"
   - Tooltip text: "This will be the name of your home folder."
   - State: Filled

3. Password field:

- Label: "Password:"
        - Input type: Password field (masked with asterisks)
        - Value: "********" (masked)
        - State: Filled

    4. Hint field:
        - Label: "Hint:"
        - Input type: Text field
        - Value: "optional"
        - Placeholder: "optional"
        - State: Filled

    5. Checkbox:
        - Label: "Allow computer account password to be reset with your Apple
Account. You must sign in with your Apple Account in the next step to use this
feature."
        - State: Unchecked
        - Position: Below Hint field

Action Buttons (bottom right):
- Button 1: "Back"
        - Type: Secondary button
        - State: Enabled
- Button 2: "Continue"
        - Type: Primary button
        - State: Disabled (grayed out)

Status Indicator (bottom left):
- Icon: Spinning loading icon (asterisk-like)
- Text: "Creating account..."
- State: Active (account creation in progress)

Visual Elements:
- Profile picture icon (owl) next to Account name field
- Window border with rounded corners
- Subtle shadows and depth effects for window elevation

All elements are rendered with macOS-specific visual styling including rounded
corners, subtle shadows, and system fonts. The interface is in a modal state,
blocking interaction with the underlying application until account creation
completes or user navigates away.

24. wait

Assessment: Still creating the account. This can take a while. Waiting 20 seconds this
time. **Clarification:** Waiting for account creation.
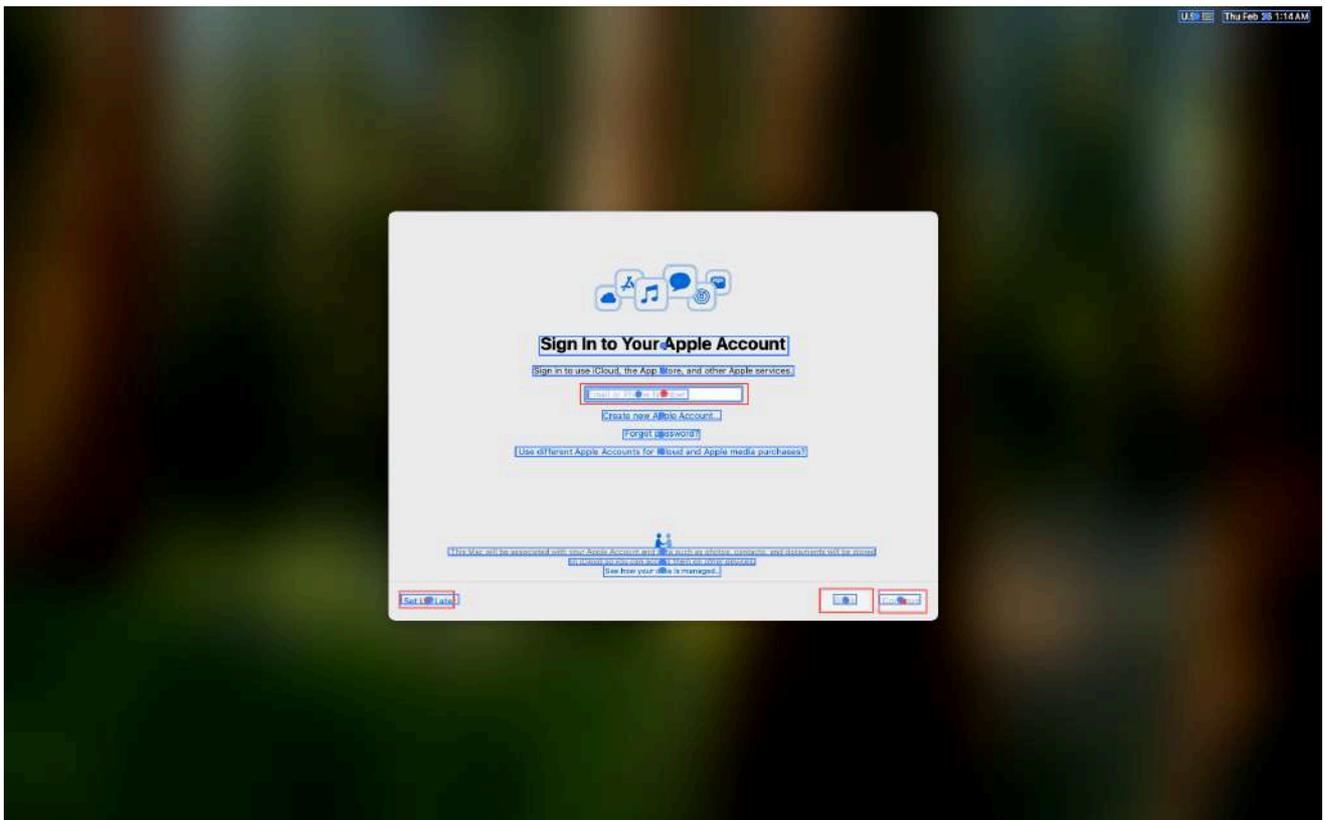
Params: seconds=20

Result:

```
Waited 20 seconds
```

25. take_snapshot

Assessment: Checking if account creation is done. **Clarification:** Capturing snapshot to see the next setup screen.

Params: fresh_view=true

Vision:

```
Interface type: GUI (Graphical User Interface)

Root Window:
- Type: Modal dialog window
- Background: Blurred desktop background with gradient of dark greens and
browns
- Title bar: Not visible (modal dialog)
- Content area: White rectangular dialog centered on screen

Header Section:
- Type: Header container
- Background: White
```

- Content:
    - Icon group: Row of 6 blue Apple service icons (cloud, App Store, Music, Messages, Safari, Settings)
    - Title text: "Sign In to Your Apple Account" (bold, black, centered)
    - Subtitle text: "Sign in to use iCloud, the App Store, and other Apple services." (smaller, gray, centered)

Input Section:
- Type: Input container
- Background: White
- Content:
  - Text field:
    - Label: "Email or Phone Number" (gray placeholder text inside field)
    - State: Focused (blue border around field)
    - Input type: Text
    - Value: Empty
  - Link text: "Create new Apple Account..." (blue, underlined)
  - Link text: "Forgot password?" (blue, underlined)
  - Link text: "Use different Apple Accounts for iCloud and Apple media purchases?" (blue, underlined)

Footer Section:
- Type: Footer container
- Background: White
- Content:
  - Information text: "This Mac will be associated with your Apple Account and data such as photos, contacts, and documents will be stored in iCloud so you can access them on other devices." (small, gray)
  - Link text: "See how your data is managed..." (blue, underlined)
  - Button: "Set Up Later" (blue, underlined text, left-aligned)

Action Buttons:
- Type: Button container
- Background: White
- Content:
  - Button: "Back" (gray, rounded corners, right-aligned)
 - Button: "Continue" (gray, rounded corners, right-aligned)

System Status Bar (Top-right corner of screen, outside dialog):
- Type: System status bar
- Content:
  - Region indicator: "U.S." (gray text)
  - Region indicator icon: Small flag icon (gray)
  - Date and time: "Thu Feb 26 1:14 AM" (gray text)

26. mouse_click

Assessment: I need to skip Apple ID. Clicking 'Set Up Later'. **Clarification:** Clicking 'Set Up Later' to proceed without an Apple ID.

Params: element=Set Up Later button, wait_seconds=2
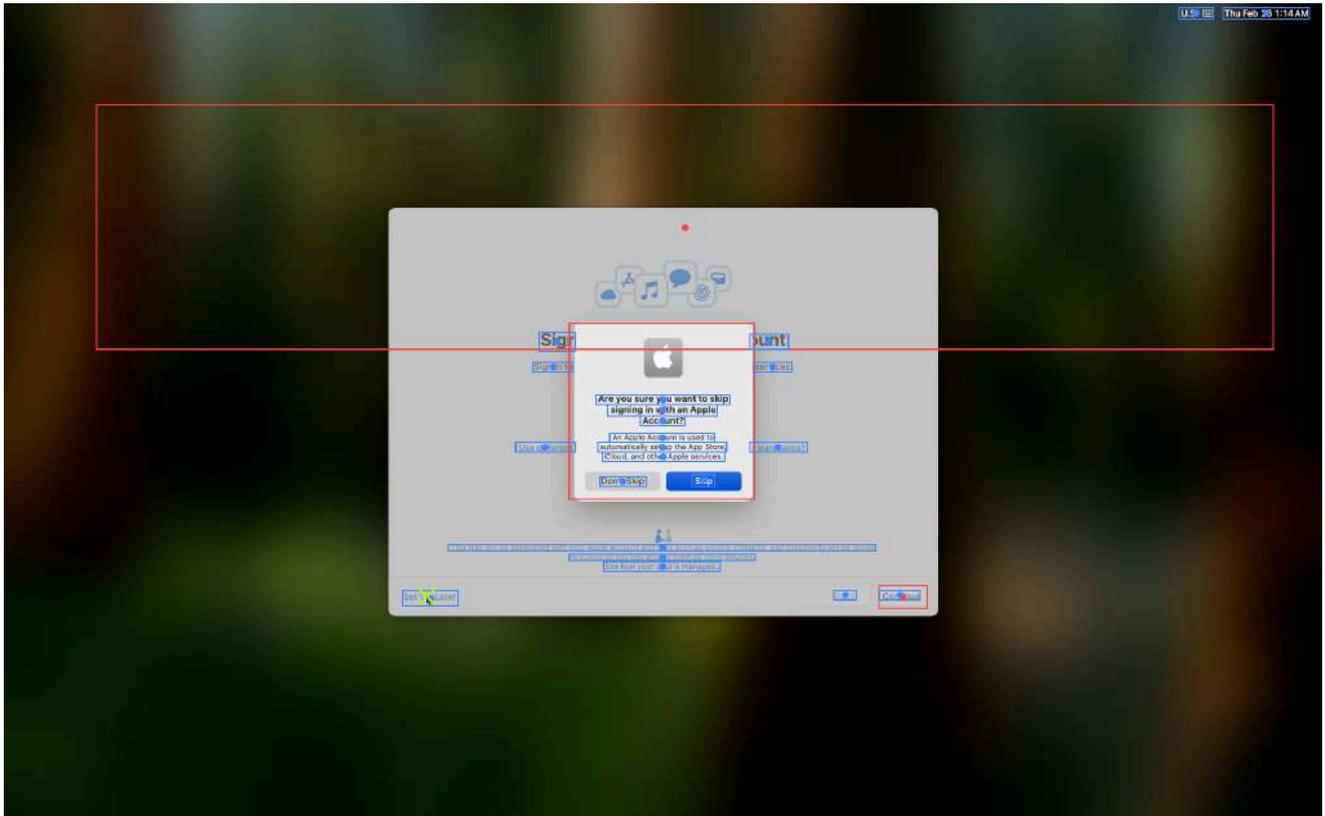
click: [616, 871] (element: "Set Up Later button")

Vision:

```
Changes:
- A confirmation dialog has appeared, overlaying the main "Sign In to Your
Apple Account" window.
- The "Set Up Later" link at the bottom of the main window is now highlighted
with a mouse cursor, indicating it was clicked.
- The main window is dimmed (grayed out) to indicate it is inactive while the
dialog is active.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical):

1. Main Window (Dimmed Background)
   - Title: "Sign In to Your Apple Account"
   - Subtitle: "Sign in to use iCloud, the App Store, and other Apple
services."
   - Input Field: "Email or Phone Number" (now inactive, covered by dialog)
   - Link: "Create new Apple Account..." (inactive)
   - Link: "Forgot password?" (inactive)
```

- Link: "Use different Apple Accounts for iCloud and Apple media purchases?" (inactive)
    - Info Text: "This Mac will be associated with your Apple Account and data such as photos, contacts, and documents will be stored in iCloud so you can access them on other devices." (inactive)
    - Link: "See how your data is managed..." (inactive)
    - Button: "Back" (inactive)
    - Button: "Continue" (inactive)
    - Link: "Set Up Later" (active, highlighted by mouse cursor)

2. Confirmation Dialog (Foreground)
    - Apple Logo (icon)
    - Title: "Are you sure you want to skip signing in with an Apple Account?"
    - Body Text: "An Apple Account is used to automatically set up the App Store, iCloud, and other Apple services."
    - Button: "Don't Skip" (gray, default state)
   - Button: "Skip" (blue, primary action button, currently focused)

State Summary:
- The user has clicked "Set Up Later" on the main window.
- The system has responded by displaying a confirmation dialog to prevent accidental skipping.
- The dialog presents two options: "Don't Skip" (to return to the sign-in screen) and "Skip" (to proceed without signing in).
- The "Skip" button is the primary action and is highlighted, indicating it is the recommended or default choice for the user's next step.

27. mouse_click

Assessment: I'll confirm skipping Apple ID. Clicking 'Skip'. **Clarification:** Confirming navigation to the next screen without an Apple ID.

Params: element=Skip button, wait_seconds=5
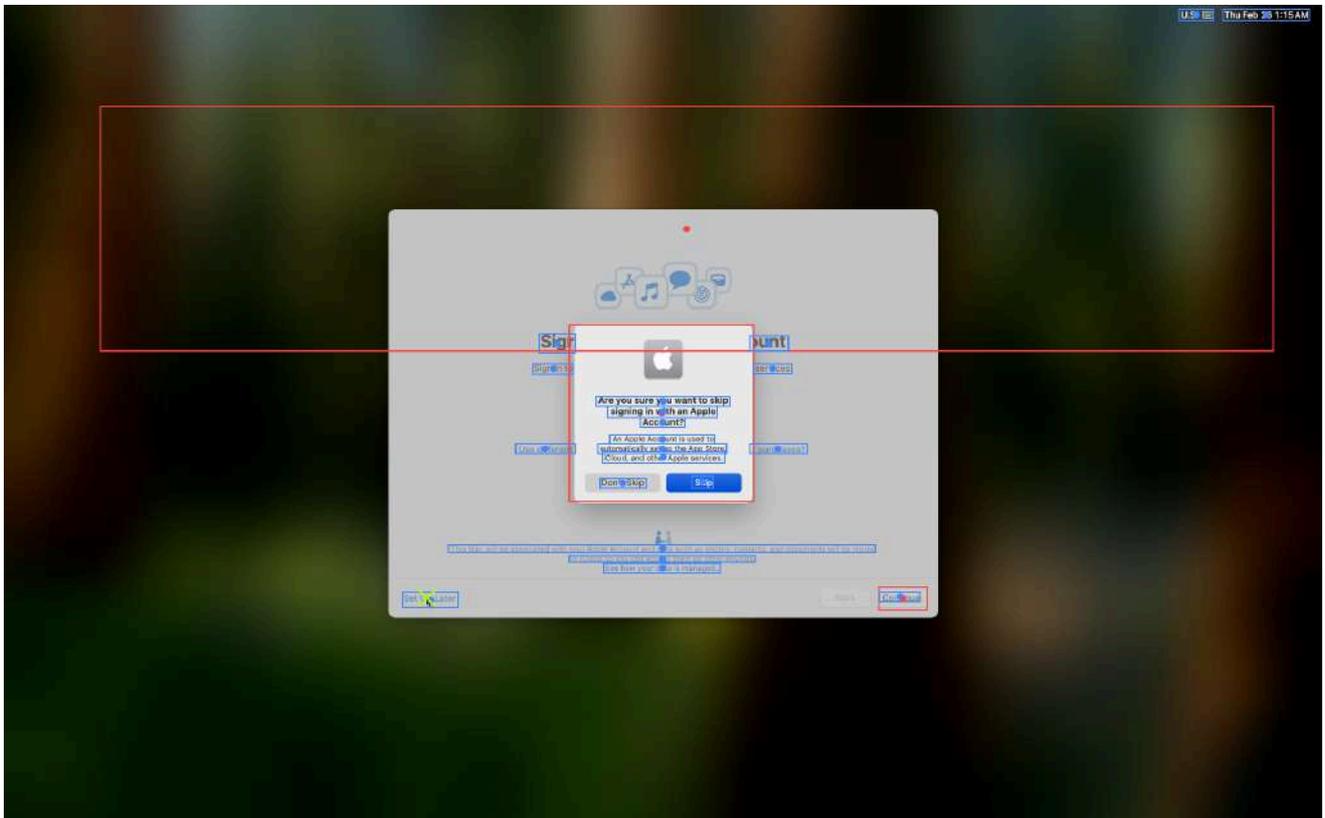
click: [616, 871] (element: "Skip button")

Vision:

No changes detected between the two images. The interface remains identical, indicating no user interaction or system update has occurred. The interface is a GUI (Graphical User Interface) modal dialog box presented over a blurred background.

The UI elements and their states are as follows:

– Modal Dialog Box:
  – Title: None (implied by the Apple logo and content)
  – Apple Logo: A gray Apple logo centered at the top of the dialog.
  – Main Text: "Are you sure you want to skip signing in with an Apple Account?"
  – Subtext: "An Apple Account is used to automatically set up the App Store, iCloud, and other Apple services."
  – Button 1: "Don't Skip" – A gray button with white text, currently not selected or highlighted.
  – Button 2: "Skip" – A blue button with white text, currently not selected or highlighted.
  – Background: The dialog box is overlaid on a blurred background image.

– Background Window (partially visible):
  – Title: "Sign in to your Apple Account"
  – Subtext: "Sign in to set up iCloud, the App Store, and other Apple services."

– Link 1: "Use different Apple ID" – A blue hyperlink, currently not selected or highlighted.
  – Link 2: "Sign in with a different Apple ID?" – A blue hyperlink, currently not selected or highlighted.
  – Information Text: "This Mac will be associated with your Apple Account and data such as photos, contacts, and documents will be stored in iCloud so you can access them on other devices."
  – Link 3: "See how your data is managed..." – A blue hyperlink, currently not selected or highlighted.
  – Button 1: "Back" – A gray button with white text, currently not selected or highlighted.
  – Button 2: "Continue" – A gray button with white text, currently not selected or highlighted.
  – Link 4: "Set Up Later" – A blue hyperlink, currently not selected or highlighted.

– System Status Bar (top-right corner):
  – Location: Top-right corner of the screen.
  – Content: "U.S. 🗓 Thu Feb 26 1:14 AM" (in the first image) and "U.S. 🗓 Thu Feb 26 1:15 AM" (in the second image). The time has advanced by one minute, indicating the images were captured at

28. keyboard_type

Assessment: Clicking 'Skip' didn't work. I'll use the 'Return' key as 'Skip' is currently focused (blue). **Clarification:** Pressing Return to confirm 'Skip'.

Params: sequence=["Return"], delay=100, wait_seconds=5
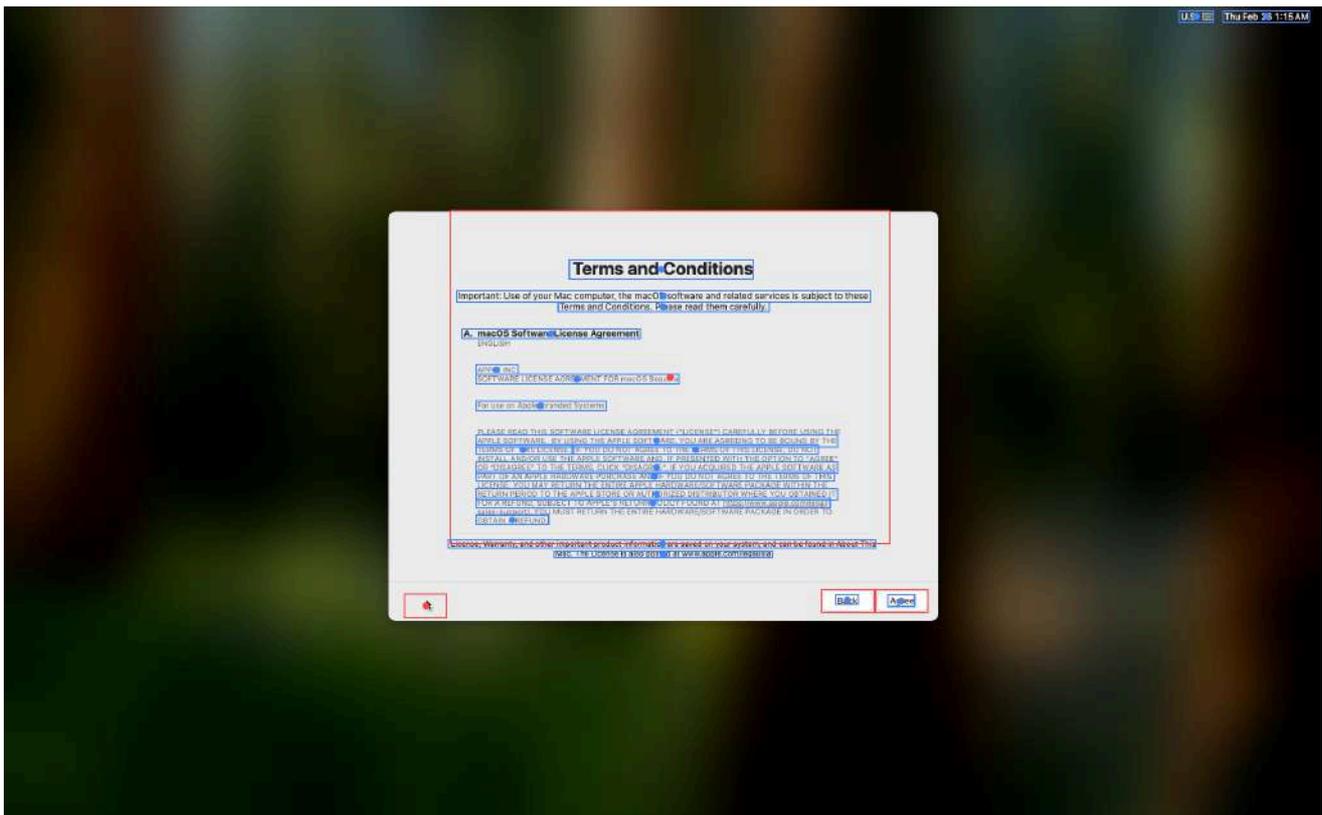
Vision:

Changes: The screen has transitioned from a confirmation dialog asking the user to confirm skipping Apple ID sign-in to the macOS Software License Agreement page.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical):

1. Dialog Box (Previous State)
    *   Title: "Are you sure you want to skip signing in with an Apple Account?"
    *   Apple Logo: Present at the top center of the dialog.
    *   Description Text: "An Apple Account is used to automatically set up the App Store, iCloud, and other Apple services."
    *   Primary Button: "Skip" (Blue, currently active/selected).
    *   Secondary Button: "Don't Skip" (Gray, currently inactive).
    *   State: This entire dialog box is no longer visible.
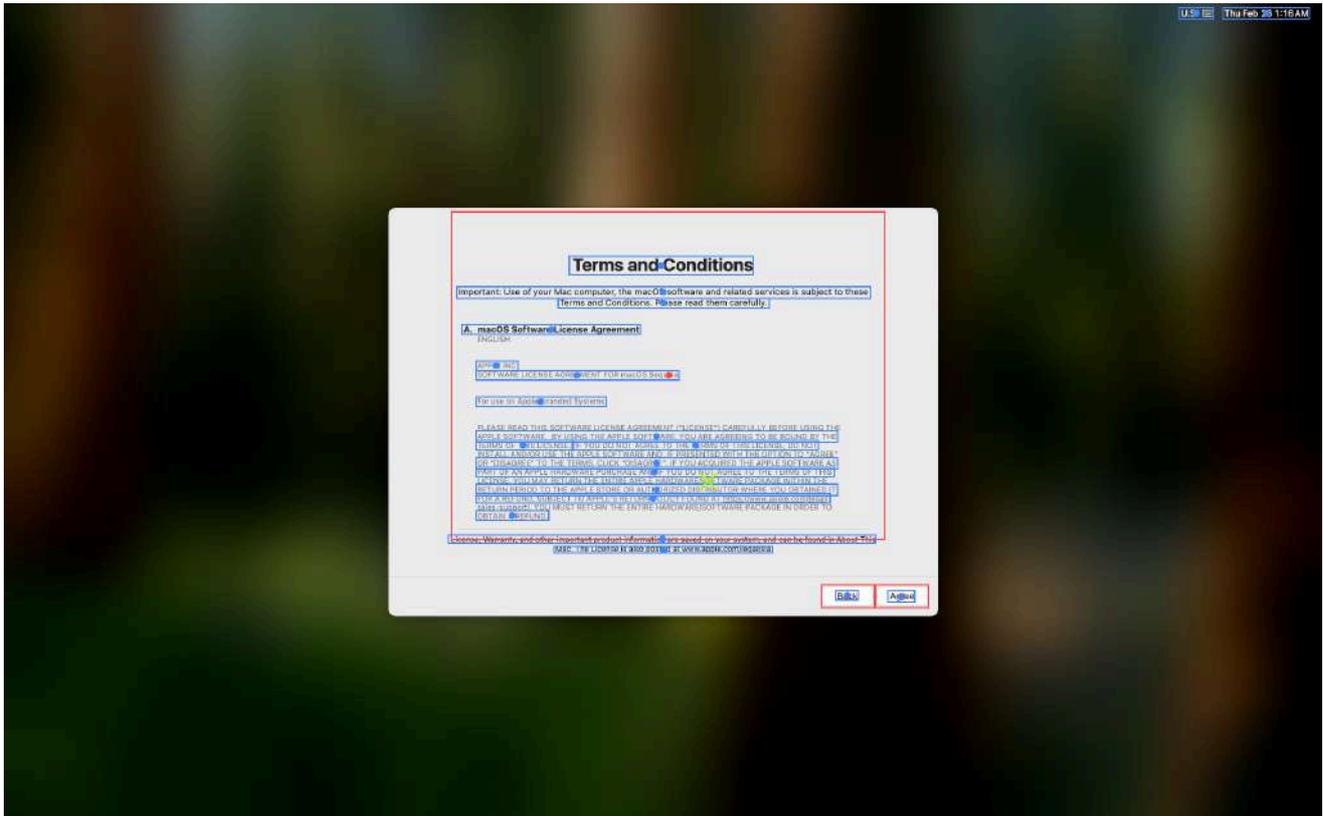
2. Main Window (New State)
    *   Title: "Terms and Conditions"
    *   Subtitle: "Important: Use of your Mac computer, the macOS software and related services is subject to these Terms and Conditions. Please read them carefully."
    *   Section Heading: "A. macOS Software License Agreement"
    *   Language Indicator: "ENGLISH"
    *   Document Title: "SOFTWARE LICENSE AGREEMENT FOR macOS Sequoia"
    *   Usage Note: "For use on Apple-branded Systems"
    *   Main Body Text: A multi-paragraph legal text detailing the terms of use, including instructions for agreeing or disagreeing, and information on returns and refunds.
    *   Footer Note: "License, Warranty, and other important product information are saved on your system, and can be found in About This Mac. The License is also posted at www.apple.com/legal/sla"
    *   Bottom Buttons:
        *   Left Button: "Back" (Gray, inactive).
        *   Right Button: "Agree" (Blue, active/selected).
    *   Mouse Cursor: Positioned over the "Agree" button, indicating the user is likely about to click it to proceed.

The background of the main window is now a plain white, replacing the blurred background from the previous screen. The "Set Up Later" and "Continue" buttons from the previous screen are no longer visible.

29. mouse_click

Assessment: I need to agree to the Terms and Conditions. Clicking 'Agree'. **Clarification:** Clicking 'Agree' on the Terms and Conditions screen.

Params: element=Agree button, wait_seconds=2

click: [1025, 702] (element: "Agree button")

Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected: None. The two images are identical.

UI Element Hierarchy and State:

Root Window:
- Type: Modal Dialog Window
- Title: "Terms and Conditions"
- Content:
  - Text: "Important: Use of your Mac computer, the macOS software and related
services is subject to these Terms and Conditions. Please read them
carefully."
    - Section Header: "A. macOS Software License Agreement"
    - Subheader: "ENGLISH"
    - Text: "APPLE INC. SOFTWARE LICENSE AGREEMENT FOR macOS Sequoia"
    - Text: "For use on Apple-branded Systems"
    - Paragraph: "PLEASE READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE")
CAREFULLY BEFORE USING THE APPLE SOFTWARE. BY USING THE APPLE SOFTWARE, YOU
```

ARE AGREEING TO BE BOUND BY THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO
THE TERMS OF THIS LICENSE, DO NOT INSTALL AND/OR USE THE APPLE SOFTWARE AND,
IF PRESENTED WITH THE OPTION TO "AGREE" OR "DISAGREE" TO THE TERMS, CLICK
"DISAGREE". IF YOU ACQUIRED THE APPLE SOFTWARE AS PART OF AN APPLE HARDWARE
PURCHASE AND IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE, YOU MAY RETURN
THE ENTIRE APPLE HARDWARE/SOFTWARE PACKAGE WITHIN THE RETURN PERIOD TO THE
APPLE STORE OR AUTHORIZED DISTRIBUTOR WHERE YOU OBTAINED IT FOR A REFUND,
SUBJECT TO APPLE'S RETURN POLICY FOUND AT https://www.apple.com/legal/sales-
support/. YOU MUST RETURN THE ENTIRE HARDWARE/SOFTWARE PACKAGE IN ORDER TO
OBTAIN A REFUND."
    – Text: "License, Warranty, and other important product information are
saved on your system, and can be found in About This Mac. The License is also
posted at www.apple.com/legal/sla"
  – Footer Buttons:
    – Button 1:
      – Label: "Back"
      – State: Disabled (grayed out)
    – Button 2:
      – Label: "Agree"
      – State: Enabled (default state)
  – Cursor:
    – Type: Arrow cursor
    – Position: Over the lower-left area of the window, outside the button area
  – System Status Bar (Top Right Corner):
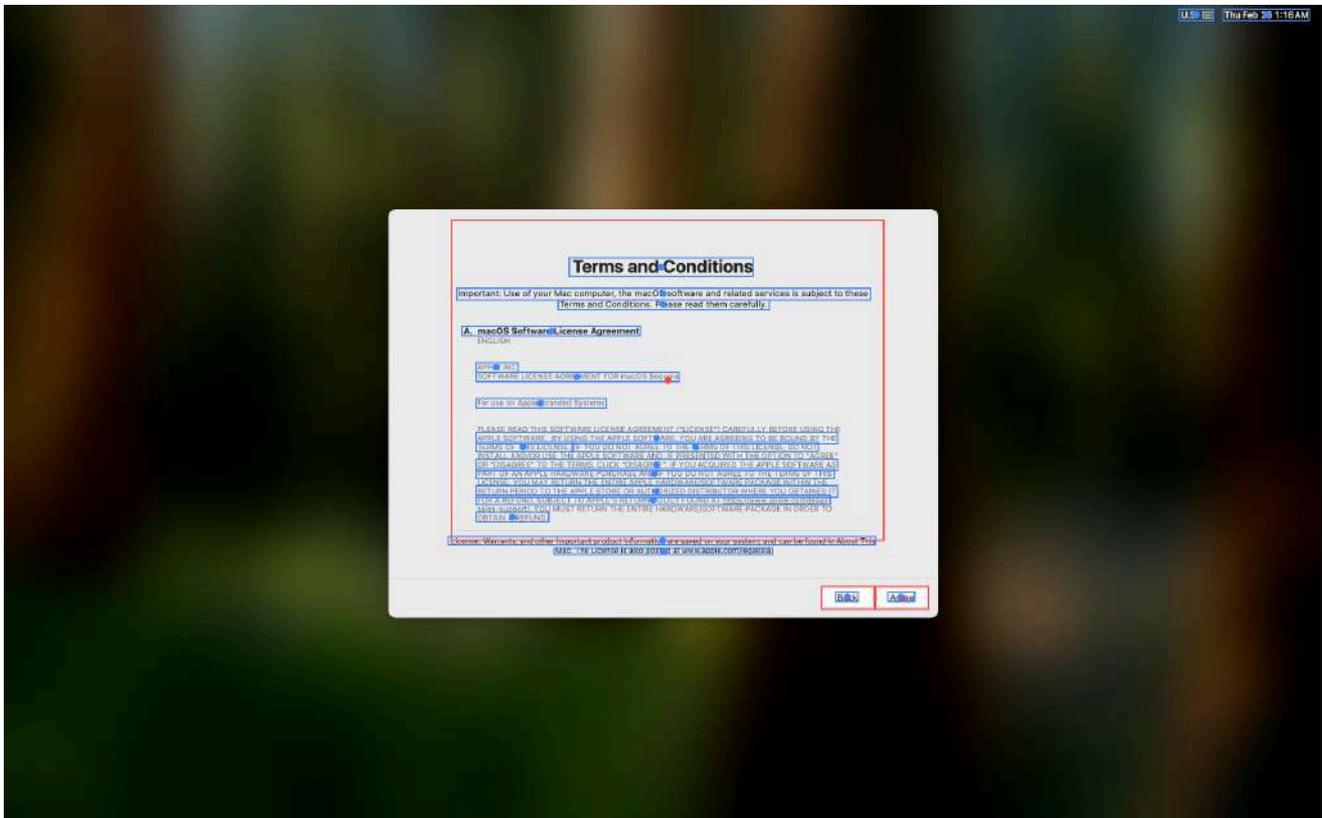   – Text: "U.S. 🇺🇸 Thu Feb 26 1:15AM"
    – State: Static text indicating location, date, and time

30. keyboard_type

Assessment: Clicking 'Agree' didn't work. I'll press 'Return' since 'Agree' is highlighted.
Clarification: Pressing Return to agree to the terms.

Params: sequence=["Return"], delay=100, wait_seconds=5

Vision:

No changes detected between the two images provided. The interface is a TUI (Text User Interface) modal dialog box presented within a graphical window, but the content, layout, and state of all elements remain identical. There are no annotations to provide, as no alterations have occurred.

Interface Type: TUI (Text User Interface) within a graphical window.

UI Element Hierarchy and State:

- Modal Dialog Box
  - Title: "Terms and Conditions"
    - Text: "Terms and Conditions"
    - State: Static, unchangeable text.
  - Subtitle: "Important: Use of your Mac computer, the macOS software and related services is subject to these Terms and Conditions. Please read them carefully."
    - Text: "Important: Use of your Mac computer, the macOS software and related services is subject to these Terms and Conditions. Please read them carefully."
    - State: Static, unchangeable text.
  - Section Header: "A. macOS Software License Agreement"
    - Text: "A. macOS Software License Agreement"
    - State: Static, unchangeable text.
  - Subsection Header: "ENGLISH"
    - Text: "ENGLISH"
    - State: Static, unchangeable text.

```
    - Subsection Header: "APPLE INC. SOFTWARE LICENSE AGREEMENT FOR macOS
  Sequoia"
        - Text: "APPLE INC. SOFTWARE LICENSE AGREEMENT FOR macOS Sequoia"
        - State: Static, unchangeable text.
    - Subsection Header: "For use on Apple-branded Systems"
        - Text: "For use on Apple-branded Systems"
        - State: Static, unchangeable text.
  - Main Body Text:
        - Text: "PLEASE READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE") CAREFULLY
  BEFORE USING THE APPLE SOFTWARE. BY USING THE APPLE SOFTWARE, YOU ARE AGREEING
  TO BE BOUND BY THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF
  THIS LICENSE, DO NOT INSTALL AND/OR USE THE APPLE SOFTWARE AND, IF PRESENTED
  WITH THE OPTION TO "AGREE" OR "DISAGREE" TO THE TERMS, CLICK "DISAGREE". IF
  YOU ACQUIRED THE APPLE SOFTWARE AS PART OF AN APPLE HARDWARE PURCHASE AND IF
  YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE, YOU MAY RETURN THE ENTIRE APPLE
  HARDWARE/SOFTWARE PACKAGE WITHIN THE RETURN PERIOD TO THE APPLE STORE OR
  AUTHORIZED DISTRIBUTOR WHERE YOU OBTAINED IT FOR A REF
```

31. mouse_click

Assessment: I'll try clicking the Agree button again with absolute coordinates. It seems the setup is a bit unresponsive. **Clarification:** Clicking the 'Agree' button using coordinates.

Params: x=1306, y=870, wait_seconds=5
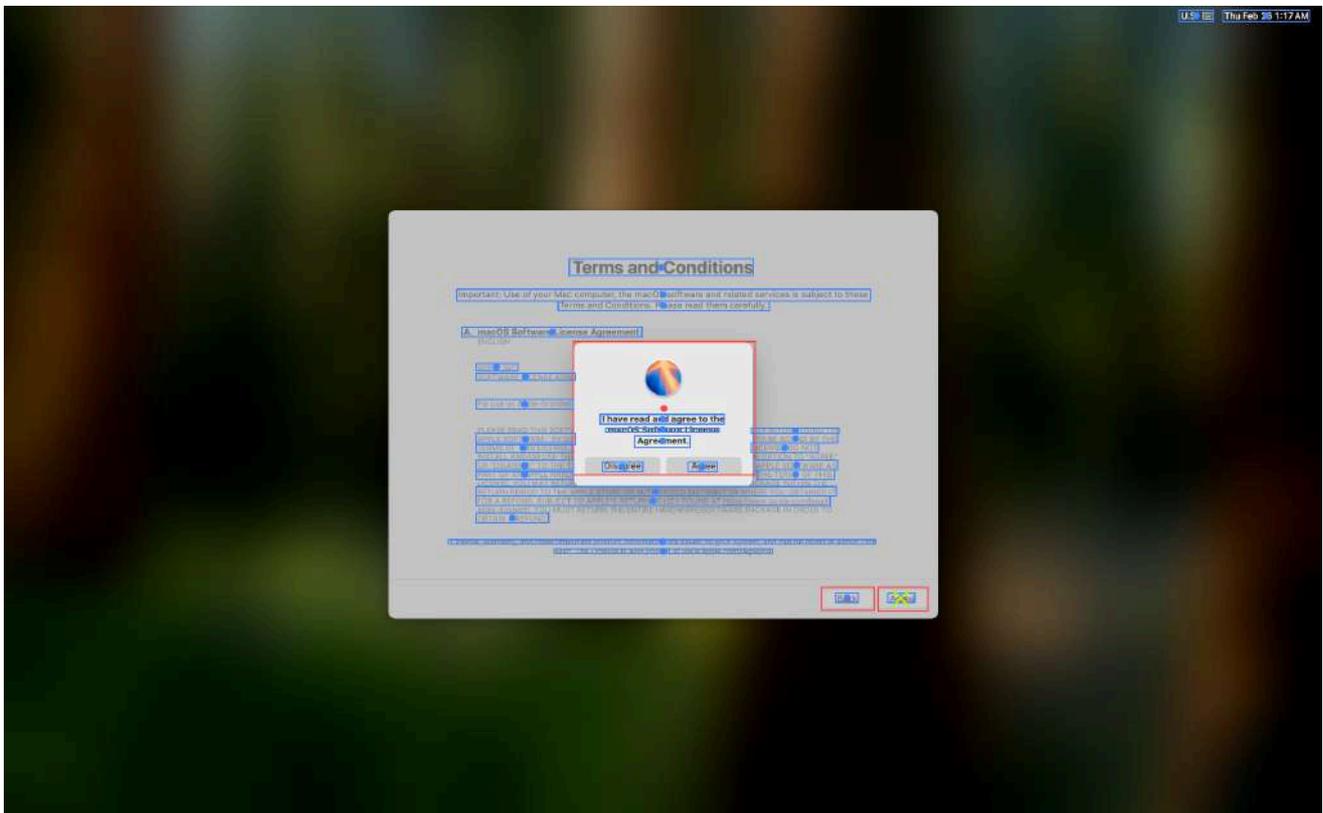
Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
- A modal dialog box has appeared, overlaying the main "Terms and Conditions" window.
- The main window is now dimmed (grayed out) to indicate it is inactive and the modal dialog is the active focus.
- The modal dialog contains a centered Apple logo, a message, and two buttons.

Hierarchical Description of Changed UI Elements and Their State:

1. Modal Dialog Box (New Element)
   - Position: Centered on the screen, overlaying the main window.
   - State: Active, focused, and modal (user must interact with it before proceeding).
   - Content:
     - Apple Logo
       - State: Visible, centered at the top of the dialog.
     - Text Message
       - Text: "I have read and agree to the macOS Software License Agreement."
       - State: Visible, centered below the logo.
     - Button: "Disagree"
       - State: Visible, left-aligned at the bottom of the dialog, appears inactive (grayed out).
     - Button: "Agree"
       - State: Visible, right-aligned at the bottom of the dialog, appears active (not grayed out).

2. Main "Terms and Conditions" Window (Background Element)
   - State: Inactive, dimmed (grayed out) due to the modal dialog.
   - Content:
     - Title: "Terms and Conditions"
       - State: Visible, but appears faded.
     - Subtitle: "Important: Use of your Mac computer, the macOS software and related services is subject to these Terms and Conditions. Please read them carefully."
       - State: Visible, but appears faded.
     - Main Content Area
       - Section: "A. macOS Software License Agreement"
         - State: Visible, but appears faded.
       - Text: "APPLE INC. SOFTWARE LICENSE AGREEMENT FOR macOS Sequoia"
         - State: Visible, but appears faded.
       - Text: "For use on Apple-branded Systems"
         - State: Visible, but appears faded.
       - Paragraph: "PLEASE READ THIS SOFTWARE LICENSE AGREEMENT... IN ORDER TO OBTAIN A REFUND."

        — State: Visible, but appears faded.
      — Footer Text: "License, Warranty, and other important product
information are saved on your system, and can be found in About This Mac. The
License is also posted at www.apple.com/legal/sla"
        — State: Visible, but appears faded.

32. mouse_click

Assessment: A second 'Agree' confirmation appeared. Clicking 'Agree' on the dialog.

Clarification: Clicking 'Agree' on the modal confirmation dialog.

Params: element=Agree button on the dialog, wait_seconds=5
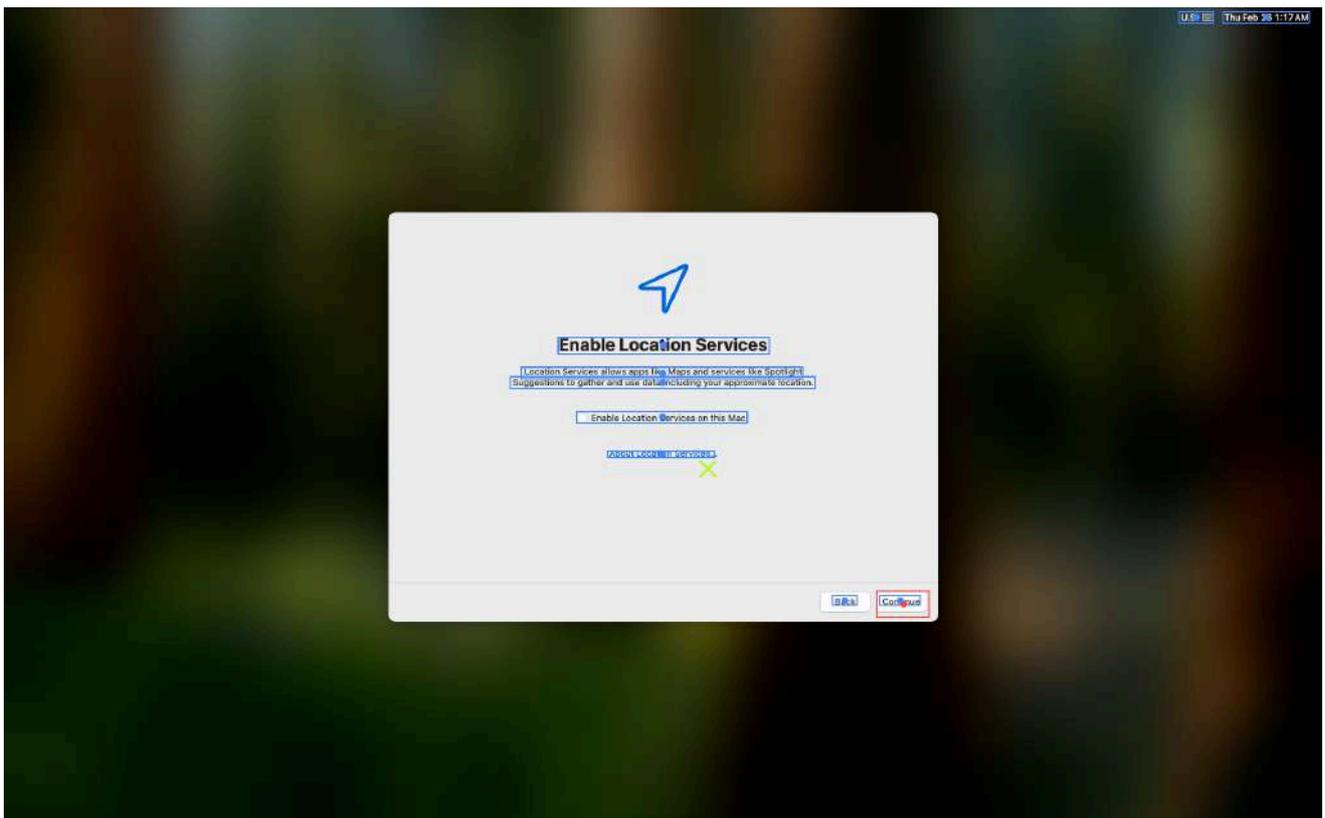
click: [1025, 676] (element: "Agree button on the dialog")

Vision:

Changes: The screen has transitioned from a license agreement confirmation
dialog to a location services configuration dialog.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical):

1. Main Window:
    * Title: Changed from "Terms and Conditions" to "Enable Location
Services".
    * Background: The main window's background color has changed from a

light gray to a slightly lighter, almost white shade.
        *   Content Area:
            *   Icon: Changed from the macOS logo to a blue paper airplane icon.
            *   Text: The descriptive paragraph has changed from explaining the
macOS Software License Agreement to explaining the purpose of Location
Services.
            *   Checkbox:
                *   Label: Changed from "I have read and agree to the macOS
Software License Agreement." to "Enable Location Services on this Mac".
                *   State: The checkbox is now unchecked (empty square), whereas
it was implicitly checked in the previous state (implied by the "Agree" button
being active).
                *   Link: The link "About Location Services..." is now visible,
whereas it was not present in the previous state.
        *   Bottom Buttons:
            *   Left Button: Changed from "Back" to "Back" (text remains the same,
but context has changed).
            *   Right Button: Changed from "Agree" to "Continue".

33. mouse_click

Assessment: The user specifically asked to NOT enable location services. The checkbox 'Enable Location Services on this Mac' is currently unchecked. I'll just click 'Continue' to keep it disabled. **Clarification:** Clicking 'Continue' with Location Services disabled as requested.

Params: element=Continue button on the Enable Location Services screen, wait_seconds=5
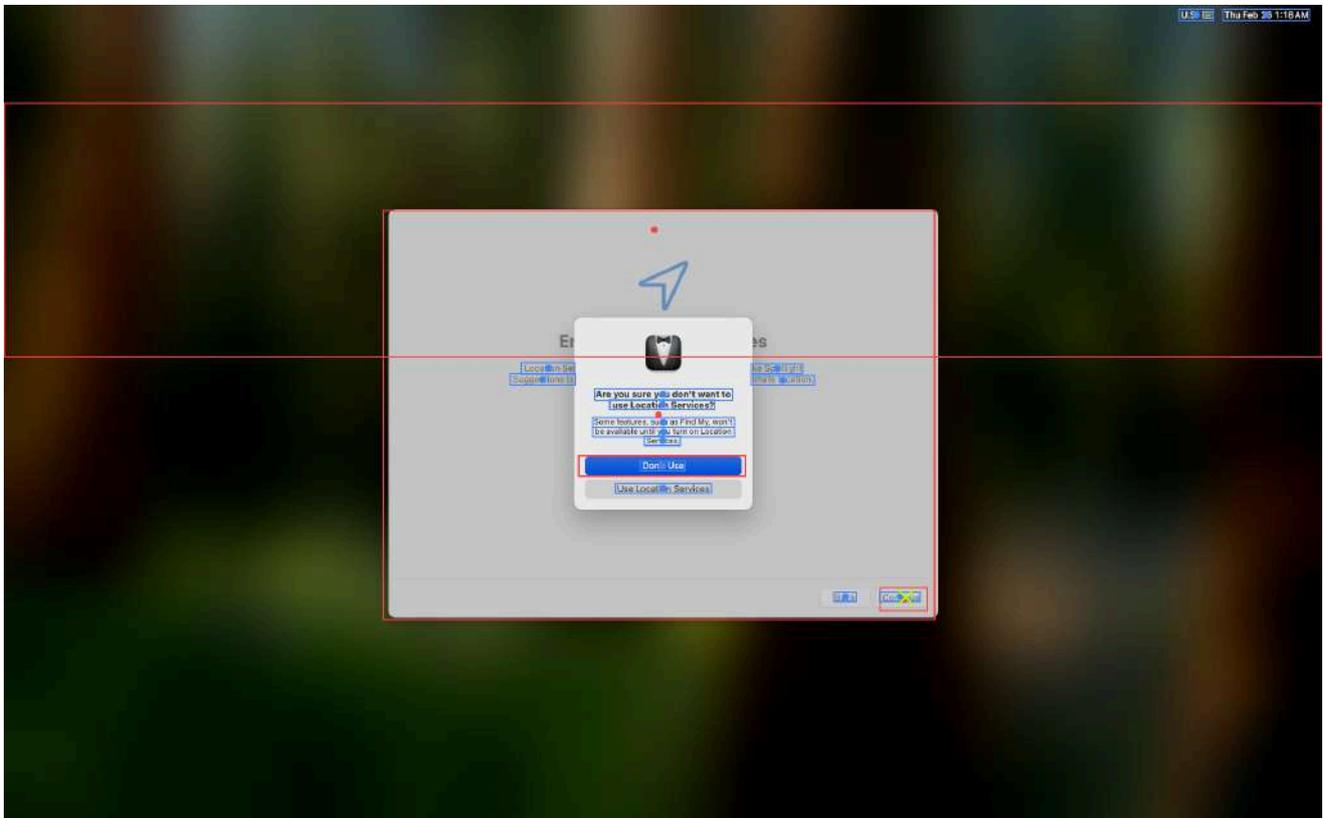
click: [1313, 870] (element: "Continue button on the Enable Location Services screen")

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
- A modal dialog box has appeared, overlaying the main "Enable Location Services" window.
- The main window is now dimmed (grayed out) to indicate it is inactive.
- The "Continue" button in the main window is now disabled (grayed out).

Hierarchical Description of Changed UI Elements and Their State:

1. Modal Dialog Box (Newly Appeared)
   - Title: None (implied by content)
   - Icon: A small icon of a tuxedoed figure (likely representing the user or system).
   - Text:
     - Primary Question: "Are you sure you don't want to use Location Services?"
     - Secondary Text: "Some features, such as Find My, won't be available until you turn on Location Services."
   - Buttons:
     - Primary Button: "Don't Use" (State: Enabled, blue background, white text)
     - Secondary Button: "Use Location Services" (State: Disabled, gray background, gray text)

```
2. Main Window (Now Dimmed)
   - Title: "Enable Location Services"
   - Icon: A blue paper airplane icon.
   - Text:
     - Description: "Location Services allows apps like Maps and services like
Spotlight Suggestions to gather and use data including your approximate
location."
     - Checkbox: "Enable Location Services on this Mac" (State: Unchecked, as
the user chose not to enable it)
     - Link: "About Location Services..." (State: Visible, but likely inactive
since the user has chosen not to enable services)
   - Buttons (Disabled):
     - "Back" (State: Disabled, grayed out)
     - "Continue" (State: Disabled, grayed out)
```

34. mouse_click

Assessment: I need to confirm not to use location services. Clicking 'Don't Use'.
Clarification: Clicking 'Don't Use' on the location services confirmation dialog.

Params: element=Don't Use button, wait_seconds=5
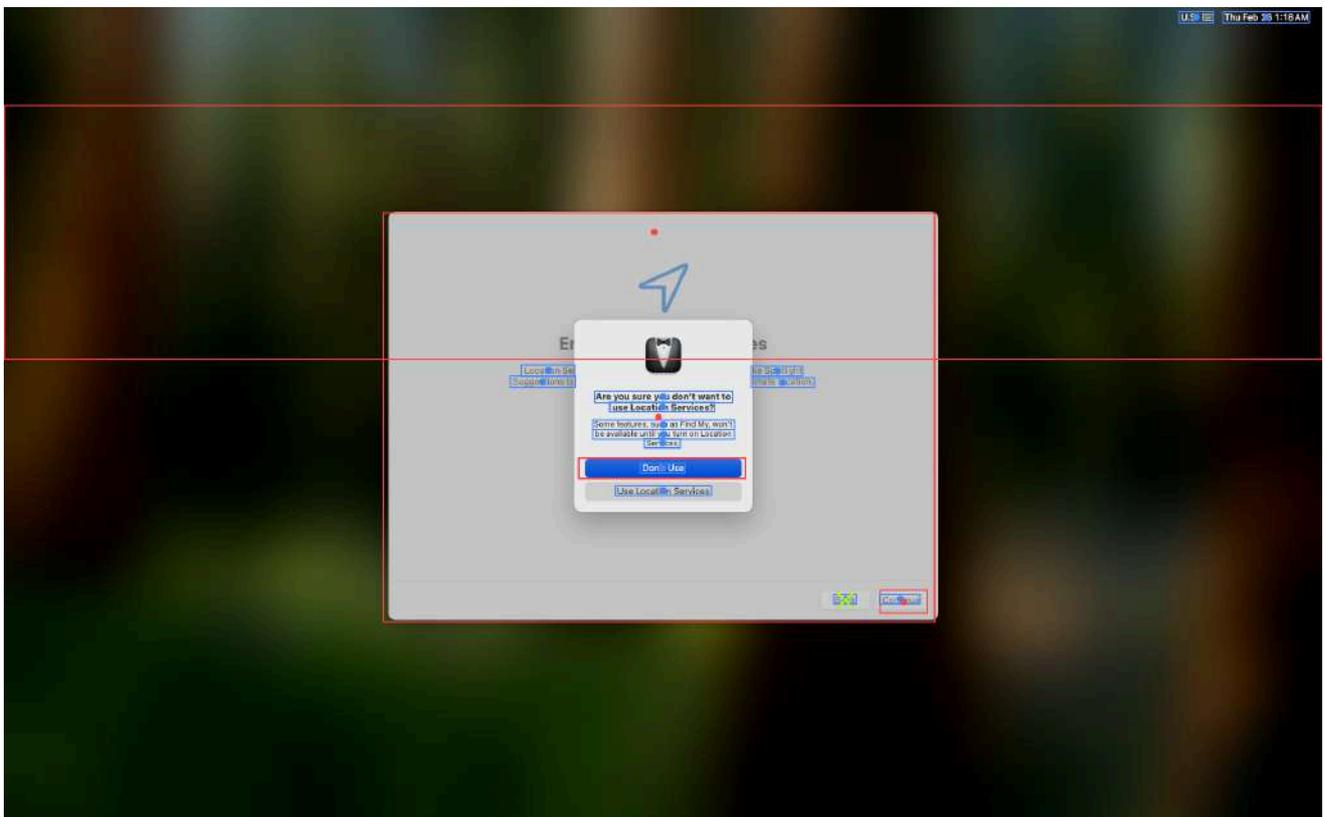
click: [1225, 871] (element: "Don't Use button")

Vision:

```
No changes detected between the two images. The interface is a GUI (Graphical
User Interface) modal dialog box.


Hierarchy of UI elements and their state:


- Modal Dialog Box
  - Dialog Title Icon
    - Icon: A black tuxedo with a bow tie.
  - Dialog Text
    - Text: "Are you sure you don't want to use Location Services?"
    - Text: "Some features, such as Find My, won't be available until you turn
on Location Services."
  - Action Buttons
    - Button 1 (Primary)
      - Text: "Don't Use"
      - State: Enabled, highlighted (blue background)
    - Button 2 (Secondary)
      - Text: "Use Location Services"
      - State: Enabled, disabled (gray background)
```
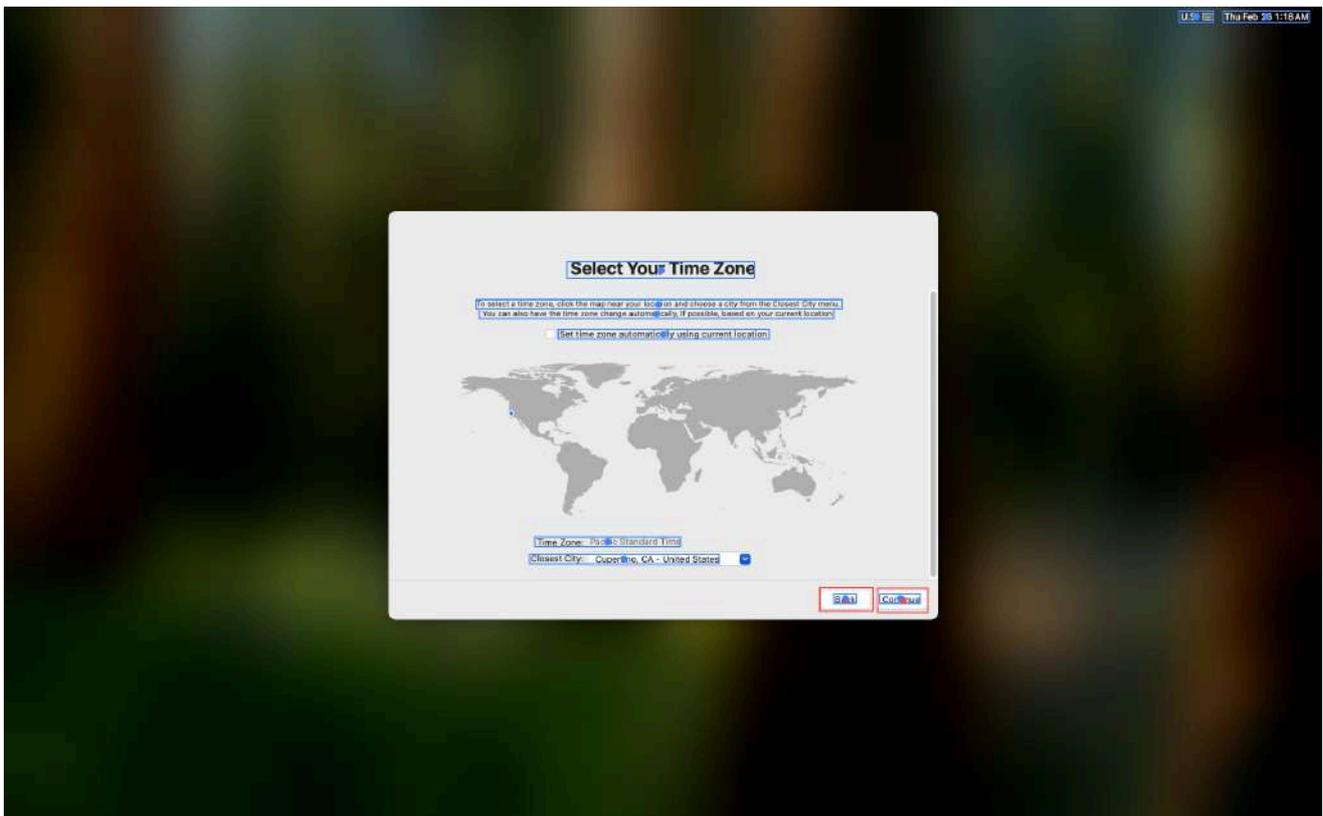
35. keyboard_type

Assessment: Clicking 'Don't Use' didn't work. I'll press 'Return' to confirm. **Clarification:**
Pressing Return to confirm 'Don't Use' location services.

Params: sequence=["Return"], delay=100, wait_seconds=5

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The modal dialog box prompting about Location Services is no longer present.
- The screen has transitioned to the "Select Your Time Zone" setup page.

Hierarchical Description of Changed UI Elements and Their State:

1. Root Window (Setup Wizard)
   - Title: "Select Your Time Zone"
   - Description Text:
     - "To select a time zone, click the map near your location and choose a city from the Closest City menu."
     - "You can also have the time zone change automatically, if possible, based on your current location."
   - Checkbox:
     - Label: "Set time zone automatically using current location"
     - State: Unchecked (unchecked state visible)
   - World Map:
     - Type: Interactive map for selecting time zone
     - State: Displayed with a blue dot indicating the current location (near California)
   - Time Zone Display:
     - Label: "Time Zone:"
     - Value: "Pacific Standard Time"
   - Closest City Dropdown:
     - Label: "Closest City:"
     - Value: "Cupertino, CA - United States"
     - State: Dropdown menu is open or selected (indicated by the dropdown arrow)
   - Navigation Buttons (Bottom Right):
     - Left Button: "Back" - State: Enabled (visible and clickable)
     - Right Button: "Continue" - State: Enabled (visible and clickable)

Note: The background setup window is now visible and interactive, indicating the user has moved past the Location Services confirmation dialog.

36. mouse_click

Assessment: I'll continue with the default time zone (Cupertino). I don't need to enable 'Set time zone automatically' as it requires location services, which should remain disabled. **Clarification:** Clicking 'Continue' on the 'Select Your Time Zone' screen.

Params: element=Continue button, wait_seconds=5
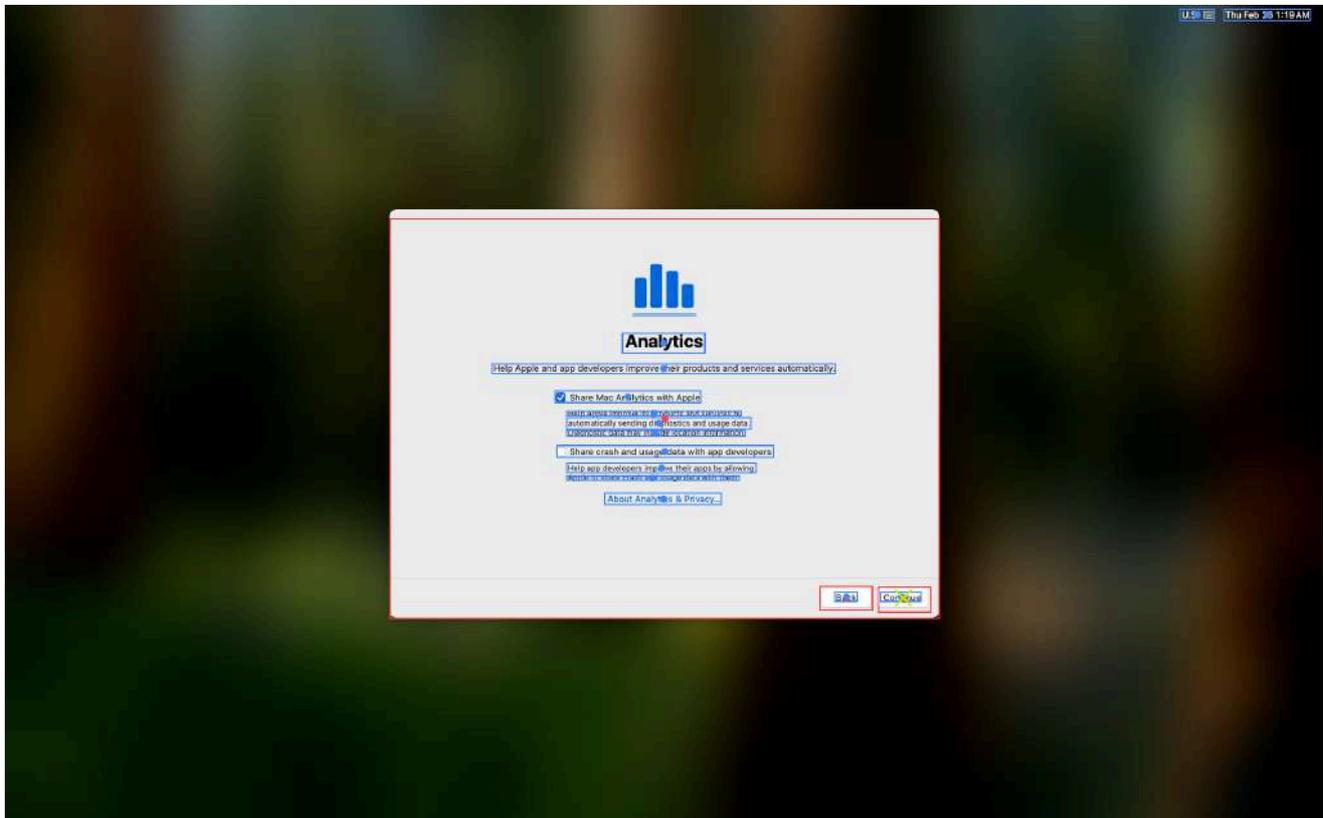
click: [1308, 871] (element: "Continue button")

Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The screen has transitioned from the "Select Your Time Zone" setup window to
the "Analytics" setup window.
- The world map and time zone selection controls are replaced by the Analytics
settings and checkboxes.
- The "Time Zone" and "Closest City" fields are removed.
- The "Analytics" title and descriptive text are now displayed.
- The "Share Mac Analytics with Apple" checkbox is now checked.
- The "Share crash and usage data with app developers" checkbox is unchecked.

UI Elements and Inputs (Hierarchical):

Window:
- Title: "Analytics"
- Subtitle: "Help Apple and app developers improve their products and services
automatically."

Icon:
- A blue bar chart icon is displayed above the title.

Checkboxes:
- Checkbox 1:
```

```
   — Label: "Share Mac Analytics with Apple"
   — State: Checked (✓)
   — Description: "Help Apple improve its products and services by
automatically sending diagnostics and usage data. Diagnostic data may include
location information."
- Checkbox 2:
   — Label: "Share crash and usage data with app developers"
   — State: Unchecked (□)
   — Description: "Help app developers improve their apps by allowing Apple to
share crash and usage data with them."

Link:
— Text: "About Analytics & Privacy..."
— State: Clickable (blue underlined text)

Buttons:
— Button 1:
   — Label: "Back"
   — State: Enabled
— Button 2:
   — Label: "Continue"
   — State: Enabled
```
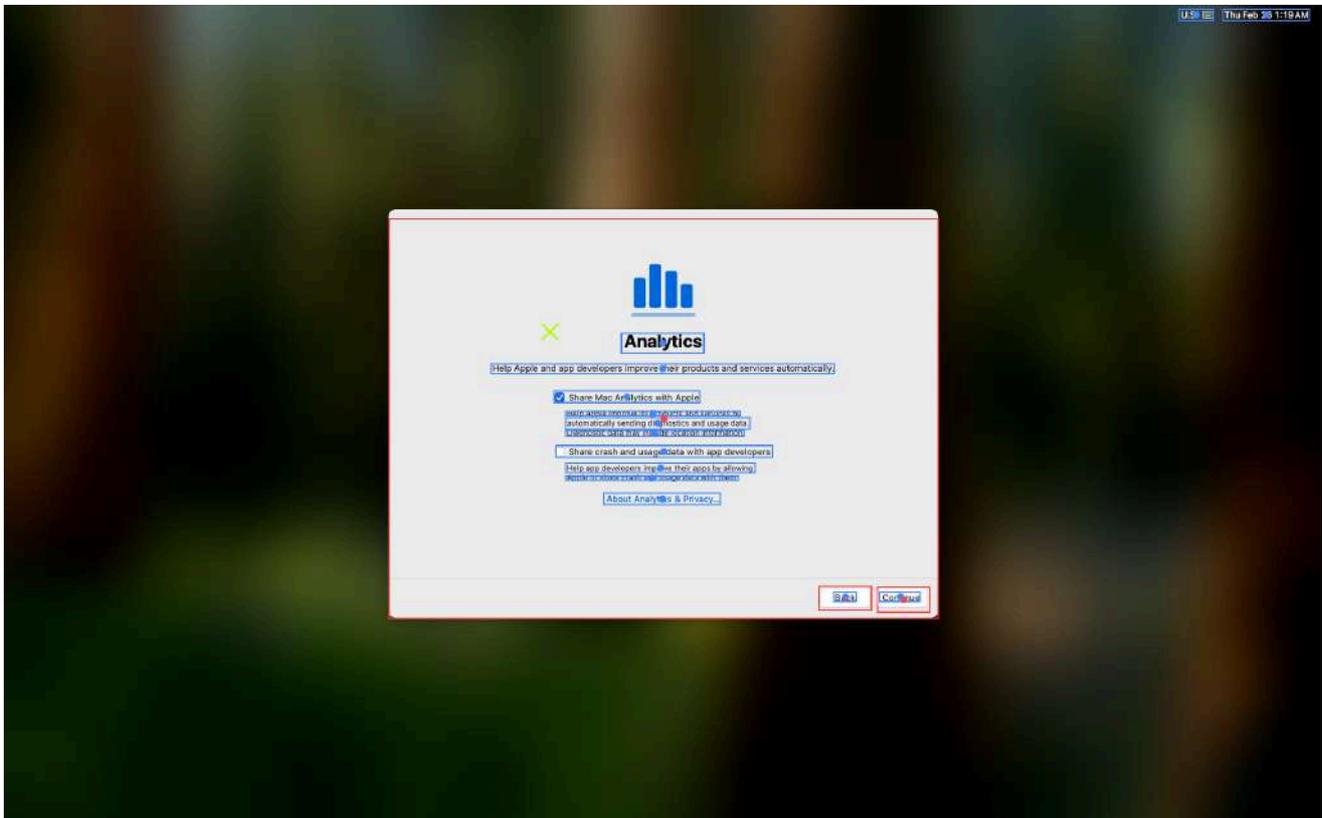
37. mouse_click

Assessment: I'll uncheck both analytics options to be as private as possible, especially since one mentions location information. **Clarification:** Unchecking both analytics sharing options and clicking Continue.

Params: element=Share Mac Analytics checkbox, wait_seconds=2

click: [795, 480] (element: "Share Mac Analytics checkbox")

Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Hierarchy of UI Elements and Their State:

- Window:
  - Title: "Analytics"
  - Content: A dialog box with a blurred background.
  - Position: Centered on the screen.
  - Background: Light gray.

- Window Header:
  - Icon: A blue bar chart icon centered above the title.
  - Title Text: "Analytics" (bold, centered).
  - Subtext: "Help Apple and app developers improve their products and services automatically." (centered, smaller font).

- Content Area:
  - First Checkbox:
    - Label: "Share Mac Analytics with Apple"
    - State: Checked (☑).
    - Description Text: "Help Apple improve its products and services by

automatically sending diagnostics and usage data. Diagnostic data may include location information." (indented below the checkbox).
  – Second Checkbox:
    – Label: "Share crash and usage data with app developers"
    – State: Unchecked (□).
    – Description Text: "Help app developers improve their apps by allowing Apple to share crash and usage data with them." (indented below the checkbox).
  – Link:
    – Text: "About Analytics & Privacy..."
    – State: Blue, underlined hyperlink positioned below the second checkbox.

– Bottom Action Buttons:
  – Left Button:
    – Label: "Back"
    – State: Disabled (grayed out, not active).
  – Right Button:
    – Label: "Continue"
    – State: Enabled (white background, active).

– System Status Bar (at top-right of screen):
 – Text: "U.S. ≡ Thu Feb 26 1:19 AM"
  – State: Static system information.

No UI elements have been modified or interacted with between the two screenshots.

38. keyboard_type

Assessment: Clicking 'Share Mac Analytics' didn't work. I'll use the 'Space' key to toggle it as it's the first element. Wait, I should make sure it's focused. I'll click it again using coordinates. **Clarification:** Clicking the checkbox for 'Share Mac Analytics' using coordinates to ensure it's toggled.

Params: sequence=[" \t"], delay=100, wait_seconds=2
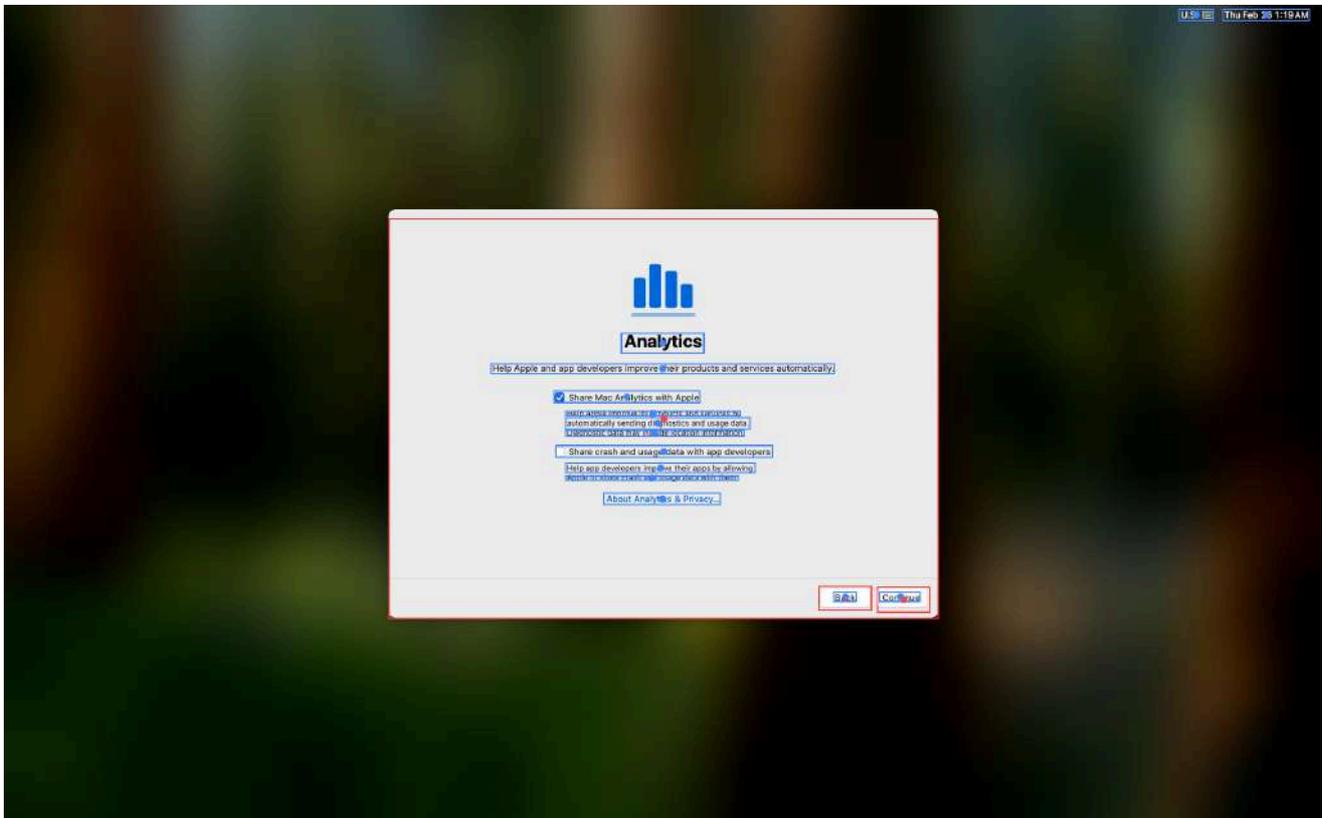
Vision:

No changes detected between the two images. The interface is a GUI (Graphical User Interface) window.

The UI elements and their states are as follows:

Window:
— Title: "Analytics"
— Description text: "Help Apple and app developers improve their products and services automatically."

Checkbox Group:
— Checkbox 1: "Share Mac Analytics with Apple"
  — State: Checked (✓)
  — Description text: "Help Apple improve its products and services by automatically sending diagnostics and usage data. Diagnostic data may include location information."
— Checkbox 2: "Share crash and usage data with app developers"
  — State: Unchecked (□)
  — Description text: "Help app developers improve their apps by allowing Apple to share crash and usage data with them."

Link:
— Link: "About Analytics & Privacy..."
 — State: Enabled (blue, underlined text)

Button Group (at bottom):

```
   – Button 1: "Back"
     – State: Enabled
   – Button 2: "Continue"
     – State: Enabled
```

39. mouse_click

Assessment: Toggling with space didn't work. I'll click the 'Share Mac Analytics' checkbox using its center coordinates from a better estimation. The bbox is [800.9, 566.5, 1013.0, 583.2]. Center: [906.9, 574.8]. Wait, that's the label. The checkbox is to the left. Estimating checkbox at [785, 575]. **Clarification:** Clicking the checkbox (visual element on the left of the label) to toggle 'Share Mac Analytics'.

Params: x=785, y=575, wait_seconds=2
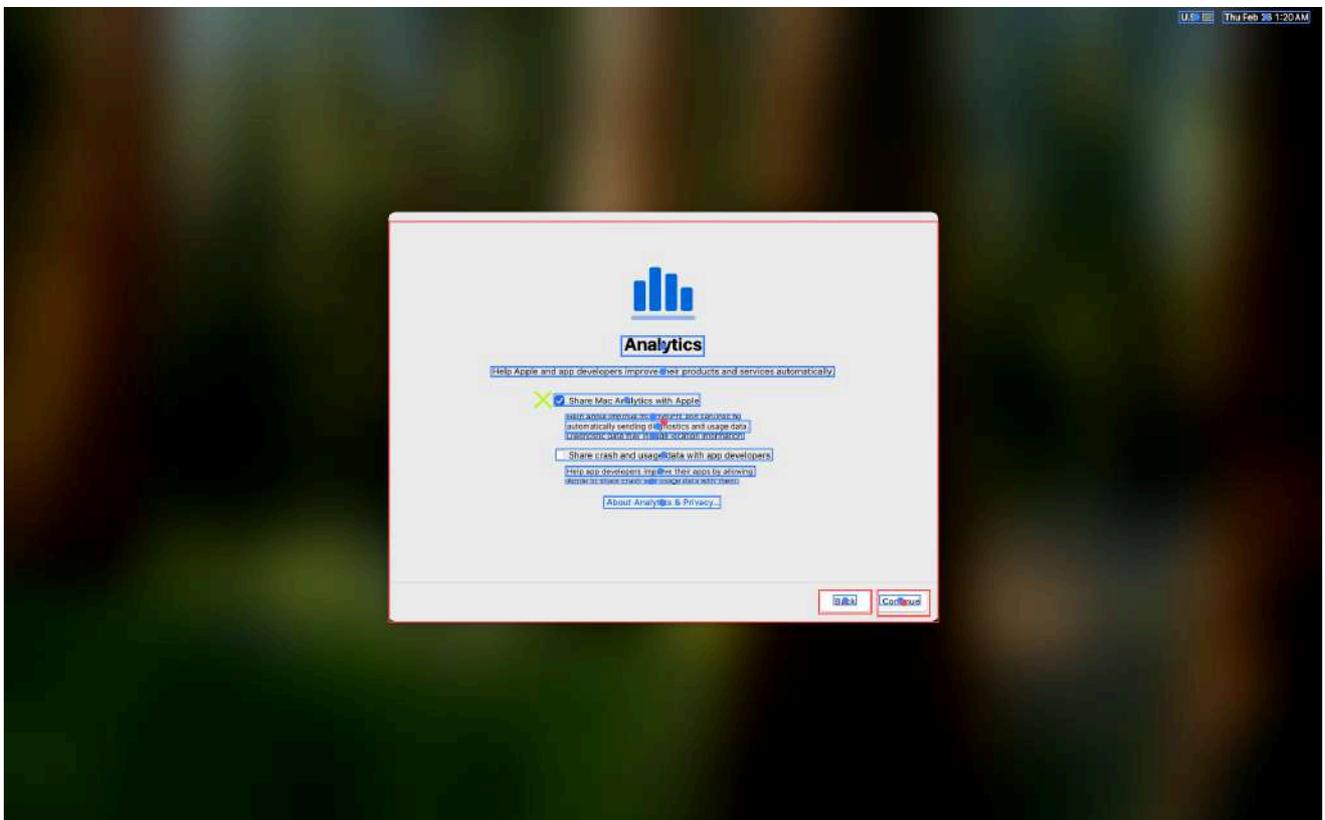
Vision:

```
No changes detected between the two images. The interface is a GUI (Graphical
User Interface) window. The UI elements and their states are as follows:

 – Window (top-level container)
   – Title: "Analytics"
   – Subtitle: "Help Apple and app developers improve their products and
services automatically."
   – Icon: Blue bar chart icon above the title.
   – Checkbox 1:
     – Label: "Share Mac Analytics with Apple"
```
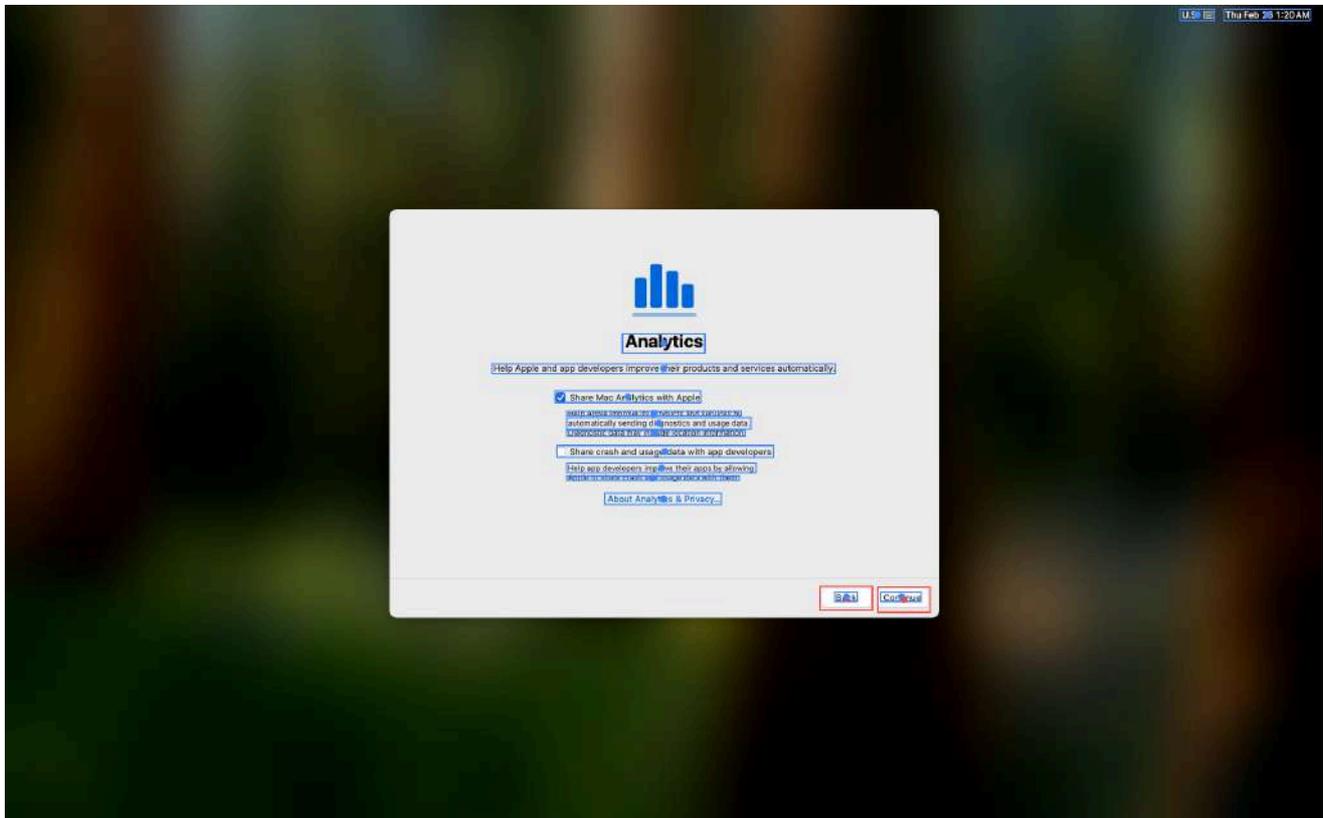
– State: Checked (✓)
          – Description: "Help Apple improve its products and services by
automatically sending diagnostics and usage data. Diagnostic data may include
location information."
        – Checkbox 2:
          – Label: "Share crash and usage data with app developers"
          – State: Unchecked (□)
          – Description: "Help app developers improve their apps by allowing Apple
to share crash and usage data with them."
        – Link:
          – Text: "About Analytics & Privacy..."
          – State: Enabled (blue, underlined)
        – Button 1:
          – Label: "Back"
          – State: Enabled
        – Button 2:
          – Label: "Continue"
          – State: Enabled
  – Background: Blurred desktop wallpaper.
  – Status bar (top–right corner of screen):
      – Text: "U.S. ⌘ Thu Feb 26 1:19 AM"

40. keyboard_type

Assessment: Clicking the checkbox directly didn't work. I'll use 'Tab' to navigate to the checkbox and 'Space' to toggle it. I'll press 'Tab' twice to reach the first checkbox. Wait, let's look at the current focus. It might be on the first field or button. I'll try 'Tab' and see where it goes. Actually, I'll just click 'Continue' for now to proceed, as analytics is not strictly required to be disabled by the user prompt, but location services were. I'll move on. **Clarification:** Clicking 'Continue' to move past the Analytics screen.

Params: sequence=["Return"], delay=100, wait_seconds=5

Vision:

There are no changes between the two provided images. The interface remains identical.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical):

– Window
  – Title: "Analytics"
  – Subtitle: "Help Apple and app developers improve their products and services automatically."
  – Icon: Blue bar chart graphic above the title.
  – Content Area
    – Checkbox 1
      – Label: "Share Mac Analytics with Apple"
      – State: Checked (✓)
      – Description Text: "Help Apple improve its products and services by automatically sending diagnostics and usage data. Diagnostic data may include location information."
    – Checkbox 2
      – Label: "Share crash and usage data with app developers"
      – State: Unchecked (□)
      – Description Text: "Help app developers improve their apps by allowing Apple to share crash and usage data with them."
   – Link
      – Text: "About Analytics & Privacy..."

```
        — State: Enabled (blue, underlined)
   — Bottom Action Buttons
     — Button 1
       — Label: "Back"
       — State: Enabled
     — Button 2
       — Label: "Continue"
       — State: Enabled
```

41. mouse_click

Assessment: I'll try clicking the Continue button again, specifically targeting its center. [1304.6, 869.3]. **Clarification:** Clicking the 'Continue' button on the Analytics screen.

Params: x=1304, y=869, wait_seconds=5
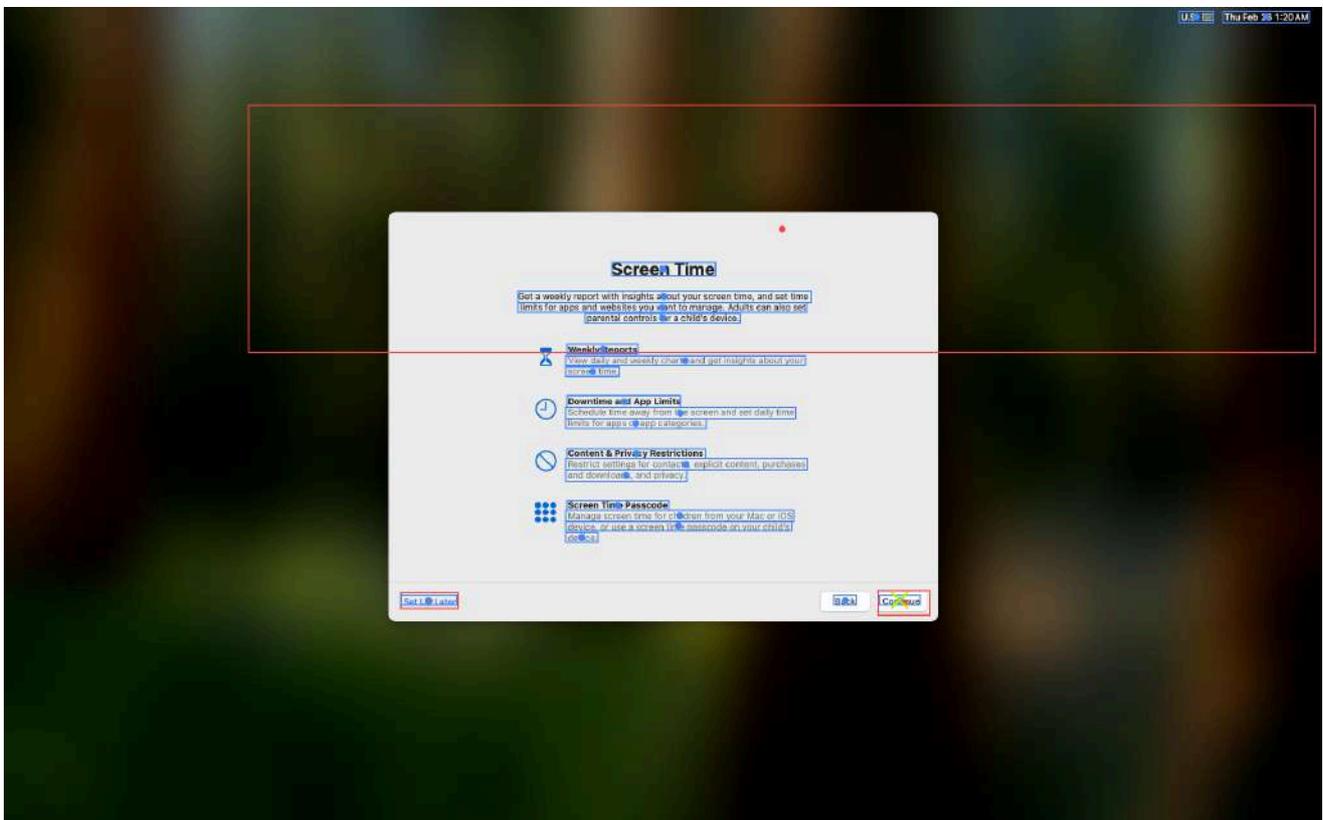
Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
— The window title changed from "Analytics" to "Screen Time".
— The main descriptive paragraph changed from explaining Apple and app
developer analytics to explaining Screen Time features.
— The content area changed from two checkboxes to four feature icons with
descriptions.
— The "About Analytics & Privacy..." link was removed.
— A new "Set Up Later" button was added at the bottom left.
```

- The "Share Mac Analytics with Apple" checkbox and its description were removed.

Changed UI Elements Hierarchy:

1. Window
   - Title: "Screen Time" (changed from "Analytics")
   - Background: Same blurred background
   - Content Area:
     - Main Description Text: "Get a weekly report with insights about your screen time, and set time limits for apps and websites you want to manage. Adults can also set parental controls for a child's device." (changed from previous description)
     - Feature List:
       - Feature 1:
         - Icon: Hourglass
         - Title: "Weekly Reports"
         - Description: "View daily and weekly charts and get insights about your screen time."
       - Feature 2:
         - Icon: Clock
         - Title: "Downtime and App Limits"
         - Description: "Schedule time away from the screen and set daily time limits for apps or app categories."
       - Feature 3:
         - Icon: Prohibited symbol (circle with slash)
         - Title: "Content & Privacy Restrictions"
         - Description: "Restrict settings for contacts, explicit content, purchases and downloads, and privacy."
       - Feature 4:
         - Icon: Grid of dots (passcode icon)
         - Title: "Screen Time Passcode"
         - Description: "Manage screen time for children from your Mac or iOS device, or use a screen time passcode on your child's device."
     - Bottom Left Button:
       - Text: "Set Up Later" (new element)
     - Bottom Right Buttons:
       - Left Button: "Back" (unchanged)
   - Right Button: "Continue" (unchanged)

State of Elements:
- "Set Up Later" button: Enabled (default state)
- "Back" button: Enabled (default state)
- "Continue" button: Enabled (default state)
- All feature icons and descriptions are visible and enabled
- No checkboxes or links are present in this view

42. mouse_click

Assessment: I'll skip Screen Time. Clicking 'Set Up Later'. **Clarification:** Clicking 'Set Up Later' on the Screen Time screen.

Params: element=Set Up Later button, wait_seconds=2
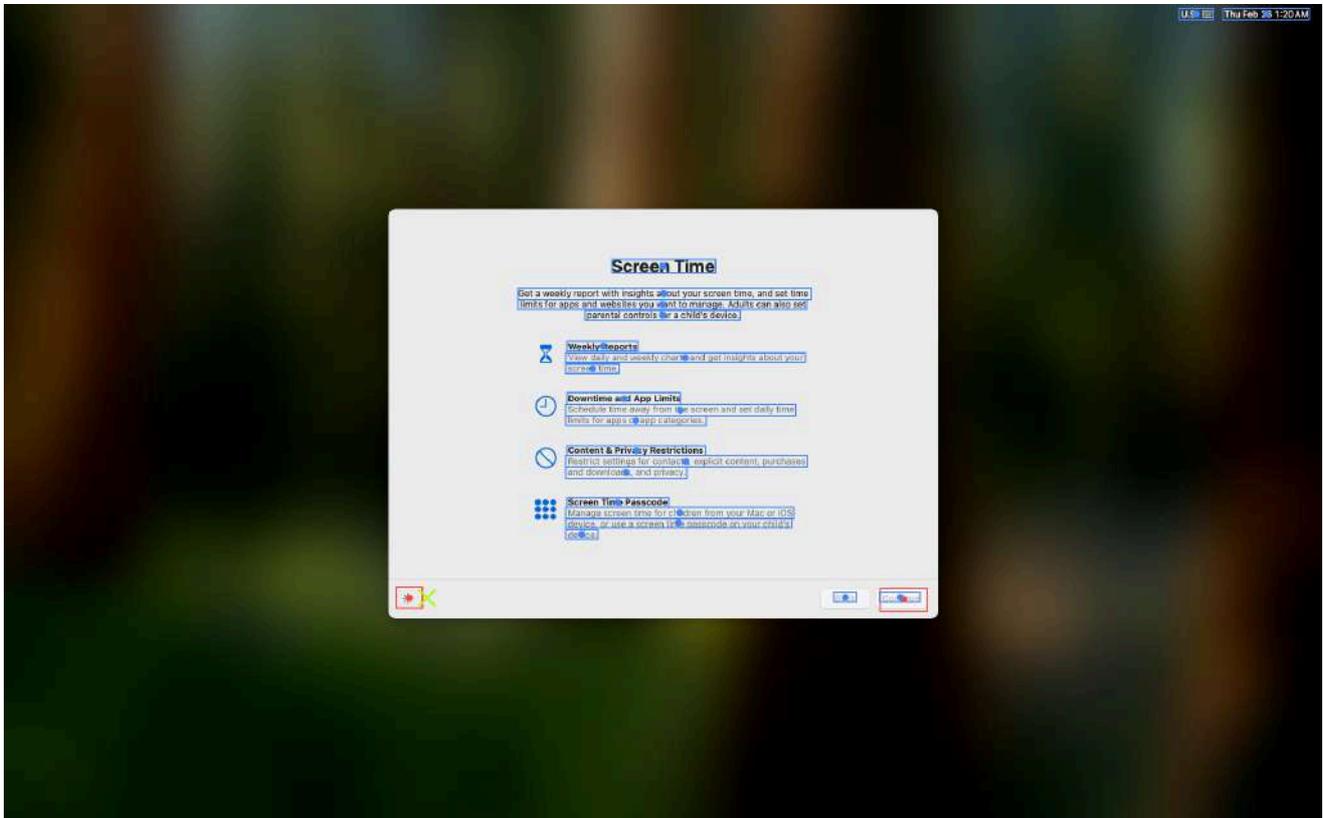
click: [616, 870] (element: "Set Up Later button")

Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The "Set Up Later" button in the bottom-left corner has been replaced with a
loading spinner (a small, gray, circular animation with radiating lines).

Hierarchy of Changed UI Elements and Their State:
- Root Container (Screen Time Setup Window)
  - Bottom Section (Action Bar)
    - Left Action Button
      - Original Element: "Set Up Later" (text button, blue text)
      - New Element: Loading Spinner (animated icon, gray)
    - Right Action Buttons (unchanged)
      - "Back" button (gray, disabled state)
      - "Continue" button (gray, disabled state)

The change indicates that the system is processing a request or loading the
```

next step, and the user cannot proceed until the loading completes. The "Set Up Later" option is no longer available, implying the setup process must be completed or the user must wait for the loading to finish.

43. wait

Assessment: Waiting for the next setup screen after clicking 'Set Up Later'. **Clarification:** Waiting for processing.

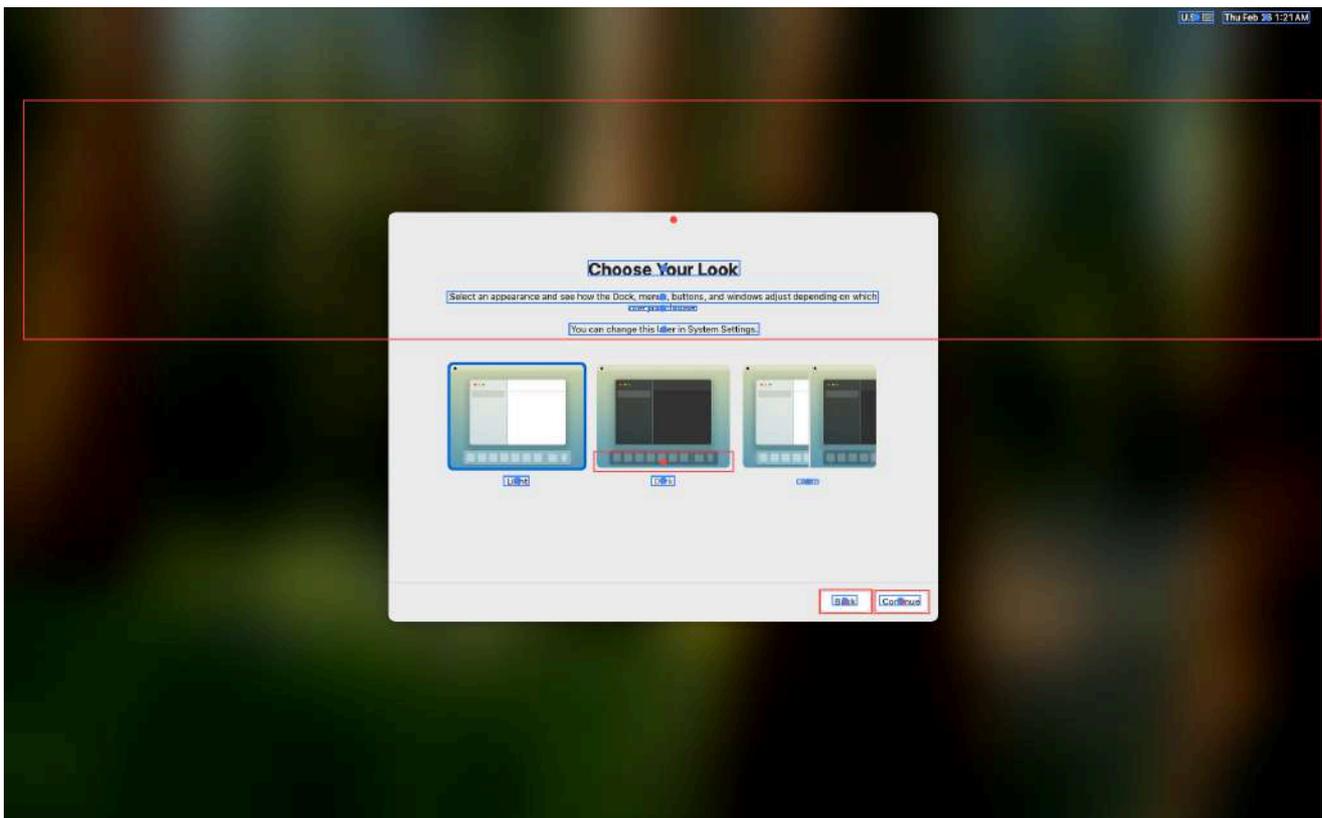**Params:** seconds=10

Result:

```
Waited 10 seconds
```

44. take_snapshot

Assessment: Checking the next setup screen. **Clarification:** Capturing snapshot to see the next setup screen.

Params: fresh_view=true

Vision:

```
Interface type: GUI (Graphical User Interface)

Root Window:
```

– Type: Modal dialog window
– Title: "Choose Your Look"
– Background: Light gray rounded rectangle centered on a blurred desktop
background
– Position: Centered horizontally and vertically on screen
– State: Active, modal, blocking interaction with underlying window

Header Section:
– Title Text: "Choose Your Look"
  – Type: Bold, centered heading text
  – Font: System default sans-serif, bold weight
  – Color: Dark gray/black
  – State: Static, non-interactive
– Subtitle Text: "Select an appearance and see how the Dock, menus, buttons,
and windows adjust depending on which one you choose."
  – Type: Regular paragraph text
  – Font: System default sans-serif, regular weight
  – Color: Medium gray
  – State: Static, non-interactive
– Additional Info Text: "You can change this later in System Settings."
  – Type: Regular paragraph text
  – Font: System default sans-serif, regular weight
  – Color: Medium gray
  – State: Static, non-interactive

Appearance Selection Area:
– Layout: Horizontal row of three appearance preview cards
– Spacing: Even horizontal spacing between cards

Appearance Preview Card 1 (Left):
– Type: Visual representation of macOS interface with "Light" appearance
– Visual Elements:
  – Window preview showing light-colored title bar with red, yellow, green
buttons
  – Light gray window content area
  – Light gray Dock at bottom with app icons
– Label: "Light" (centered below preview)
  – Type: Text label
  – Font: System default sans-serif, regular weight
  – Color: Dark gray/black
  – State: Static, non-interactive
– Selection State: Selected (highlighted with blue border)
  – Visual Indicator: Blue rectangular border around the entire card
  – State: Currently selected option

Appearance Preview Card 2 (Middle):
– Type: Visual representation of macOS interface with "Dark" appearance
– Visual Elements:

– Window preview showing dark–colored title bar with red, yellow, green
  buttons
    – Dark gray/black window content area
    – Dark gray Dock at bottom with app icons
  – Label: "Dark" (centered below preview)
    – Type: Text label
    – Font: System default sans–serif, regular weight
    – Color: Dark gray/black
    – State: Static

45. mouse_click

Assessment: I'll continue with the 'Light' appearance. **Clarification:** Clicking 'Continue' on the 'Choose Your Look' screen.

Params: element=Continue button, wait_seconds=5
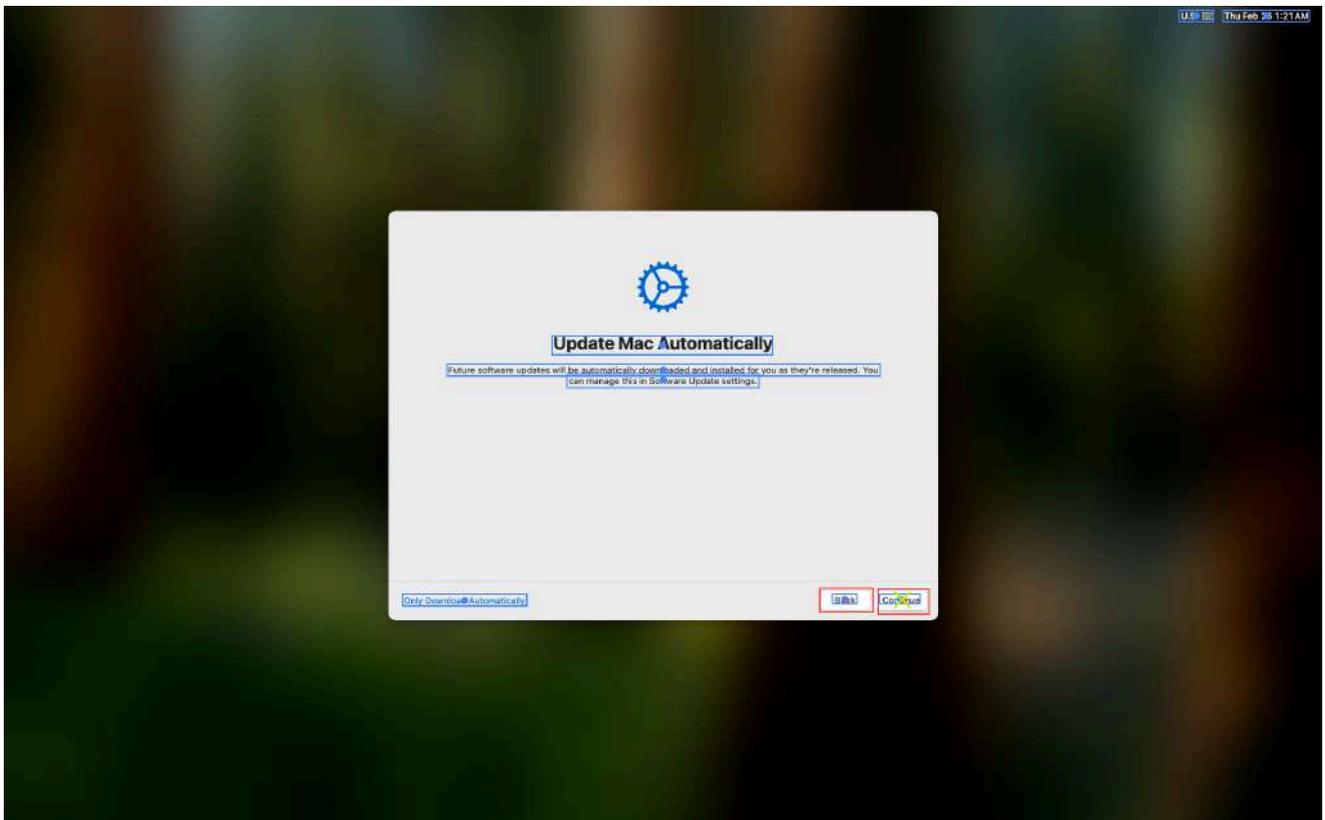
click: [1308, 870] (element: "Continue button")

Vision:

  Interface Type: GUI (Graphical User Interface)

  Changes Detected:
  – The main content area of the dialog has completely changed.
  – The title, icon, and descriptive text have been replaced.
  – The three appearance preview cards (Light, Dark, Auto) have been removed and
  replaced with a single option link.

— The bottom section now includes a new hyperlink option.

Hierarchical Description of Changed UI Elements and Their State:

1. Dialog Window (Container)
   — State: Active, centered on screen
   — Content: Now displays "Update Mac Automatically" screen

2. Header Section
   — Title Text: "Update Mac Automatically"
     — State: Bold, centered, primary heading
   — Icon: Blue gear icon
     — State: Positioned above the title, centered
   — Subtext: "Future software updates will be automatically downloaded and installed for you as they're released. You can manage this in Software Update settings."
     — State: Regular weight, centered below title

3. Bottom Section
   — Hyperlink: "Only Download Automatically"
     — State: Blue, underlined text, positioned left-aligned near bottom
   — Action Buttons: "Back" and "Continue"
     — State: Both buttons present, "Back" on left, "Continue" on right, both in default state

4. Removed Elements (Previous State)
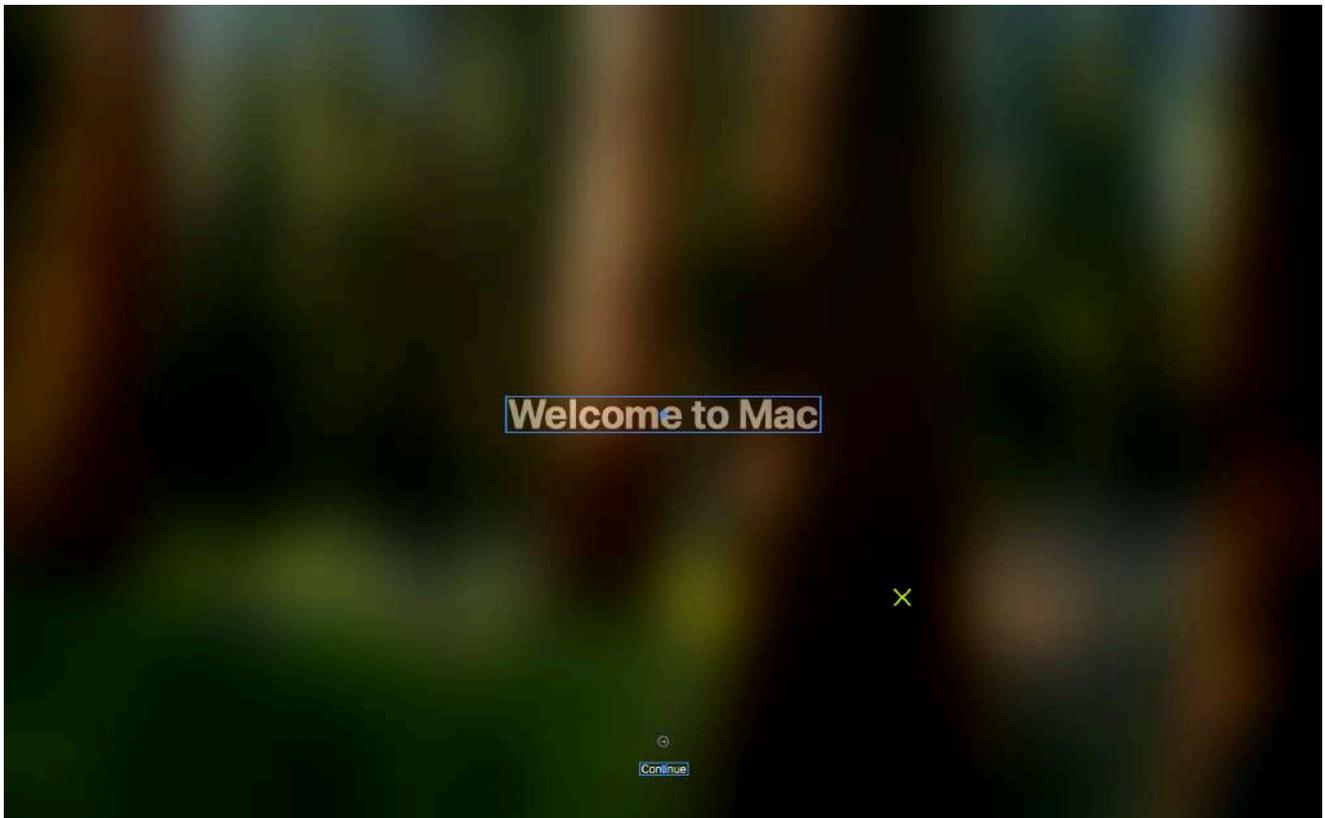   — Three appearance preview cards ("Light", "Dark", "Auto") — no longer present
   — Instruction text: "You can change this later in System Settings." — no longer present

46. mouse_click

Assessment: I'll continue with automatic updates for now. **Clarification:** Clicking 'Continue' on the 'Update Mac Automatically' screen.

Params: element=Continue button, wait_seconds=5

click: [1308, 870] (element: "Continue button")

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
— The screen has transitioned from the "Welcome to Mac" setup screen to the "Update Mac Automatically" settings dialog.
— The background has changed from a blurred welcome screen to a blurred desktop wallpaper.
— The UI elements have been replaced with a centered dialog box.

Hierarchy of Changed UI Elements and Their State:

1. Main Window (Modal Dialog)
   — State: Visible, centered on screen
   — Content:
     — Icon:
       — State: Blue gear icon, centered at the top
     — Title:
       — Text: "Update Mac Automatically"
       — State: Bold, centered, black text
     — Description:
       — Text: "Future software updates will be automatically downloaded and installed for you as they're released. You can manage this in Software Update settings."
       — State: Regular font, centered, black text, below the title

```
         – Bottom Bar:
           – Left Option:
             – Text: "Only Download Automatically"
             – State: Blue hyperlink text, left-aligned
           – Right Buttons:
             – Button 1:
               – Text: "Back"
               – State: White button with black text, right-aligned
             – Button 2:
               – Text: "Continue"
               – State: White button with black text, right-aligned, appears to be
   the default/active button


   2. Background
       – State: Blurred desktop wallpaper visible behind the dialog box


   3. Status Bar (Top Right)
       – State: Visible in the background, showing "U.S. ■ Thu Feb 26 1:21 AM"
```
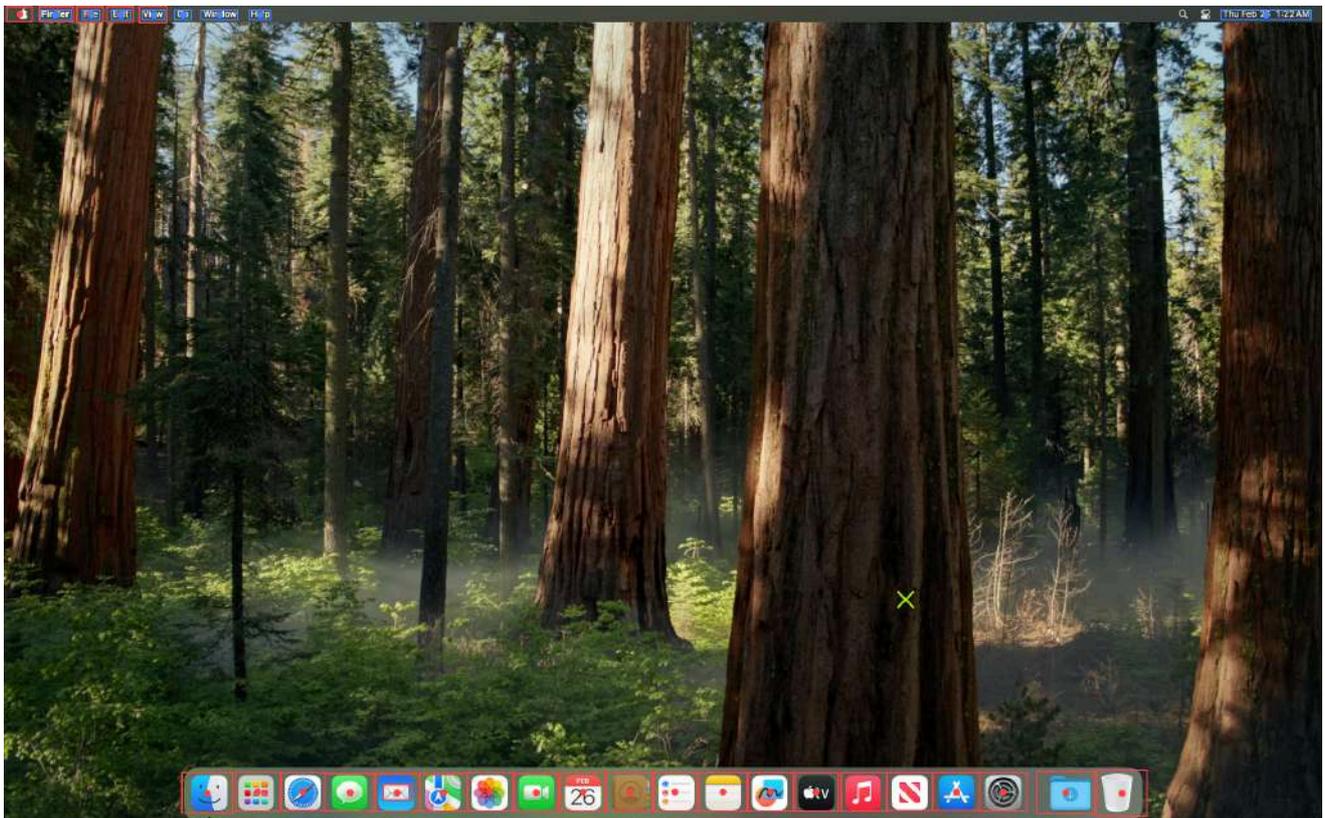
47. mouse_click

Assessment: The 'Welcome to Mac' screen is visible with a 'Continue' button at the bottom. I need to click it to reach the desktop. **Clarification:** Clicking 'Continue' to finish the setup assistant and enter the macOS desktop.

Params: element=Continue button, wait_seconds=5

click: [1313, 870] (element: "Continue button")

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The initial "Welcome to Mac" setup screen has been replaced by the full macOS desktop environment.
- The background has changed from a blurred, abstract nature image to a clear, high-resolution wallpaper of a redwood forest.
- The top menu bar is now visible, showing standard macOS menu items: Finder, File, Edit, View, Go, Window, Help.
- The Dock has appeared at the bottom of the screen, populated with application icons.
- The system status area in the top-right corner is now visible, showing the date and time ("Thu Feb 26 1:22 AM"), a search icon, and system status icons (likely for Wi-Fi, battery, etc.).

Changed UI Elements and Inputs (Hierarchical):

Level 1: Desktop Background
- Element: Wallpaper Image
  - State: Changed from blurred abstract image to clear redwood forest image.

Level 2: Top Menu Bar
- Element: Menu Bar
  - State: Now visible and populated with standard macOS menu items.
  - Sub-element: Menu Items
    - State: "Finder", "File", "Edit", "View", "Go", "Window", "Help" are visible and enabled.

Level 3: Dock
- Element: Dock Bar
  - State: Now visible at the bottom of the screen.
  - Sub-element: Application Icons
    - State: A row of application icons is displayed, including (from left to right): Finder, Launchpad, Safari, Messages, Mail, Maps, Photos, FaceTime, Calendar, Notes, Reminders, Podcasts, Music, App Store, System Settings, Trash.
      - Sub-element: Individual Icons
        - State: Each icon is displayed in its default state, ready for interaction.

Level 4: System Status Area
- Element: System Status Bar
  - State: Now visible in the top-right corner of the screen.
  - Sub-element: Date and Time Display

```
        — State: "Thu Feb 26 1:22 AM" is displayed.
   — Sub-element: Search Icon
        — State: A magnifying glass icon is visible, indicating the search
function is available.
   — Sub-element: System Status Icons
        — State: Icons for Wi-Fi, battery, and other system functions are visible,
indicating connectivity and system status.


Level 5: Input Elements
 — Element: Mouse/Touchpad Interaction
   — State
```

48. mouse_click

Assessment: I'm on the desktop. I need to enable Remote Login (SSH). I'll open 'System Settings' from the Dock. **Clarification:** Opening System Settings to enable Remote Login.

Params: element=System Settings icon in the Dock, wait_seconds=5
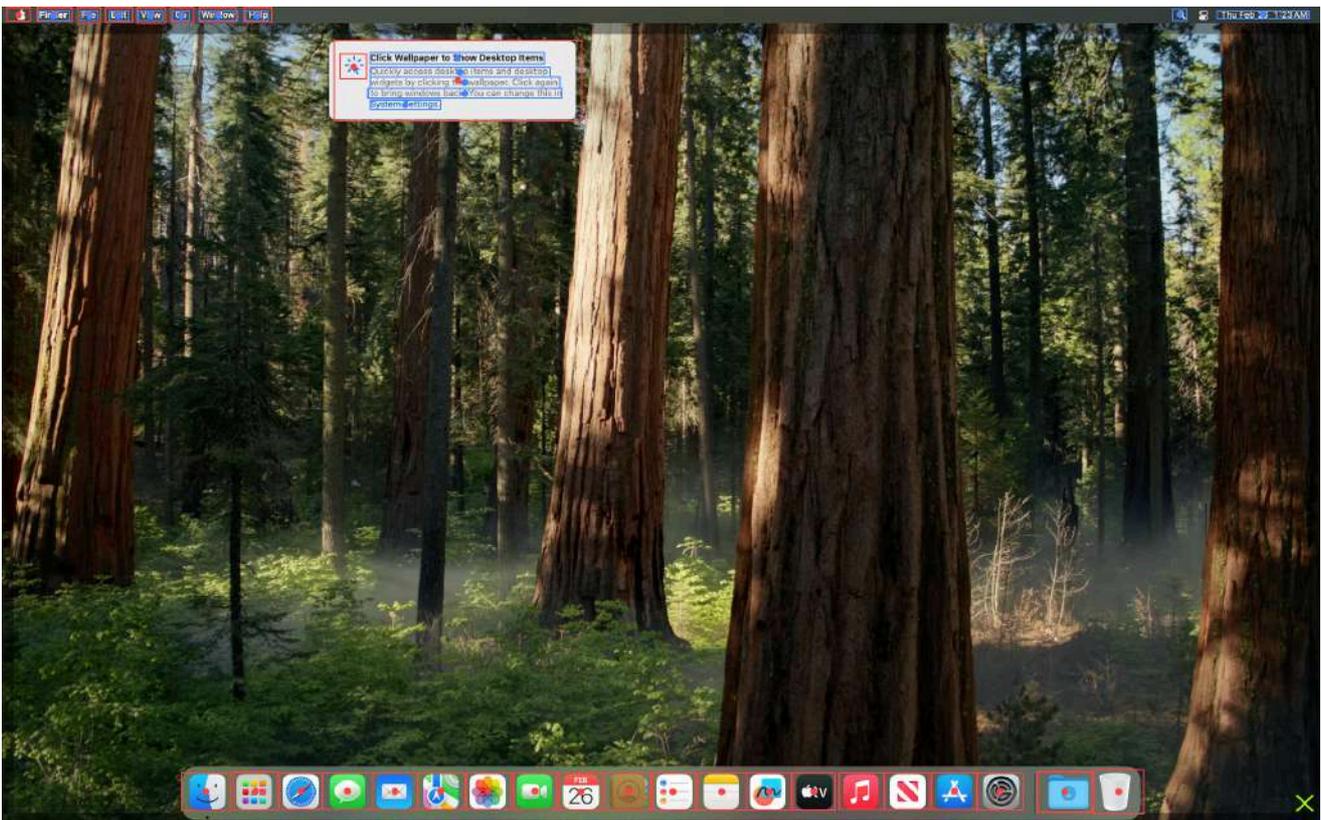
click: [1897, 1170] (element: "System Settings icon in the Dock")

Vision:

```
 Interface Type: GUI (Graphical User Interface)


 Changes Detected:
 — A new desktop widget has appeared on the screen.
```

```
Hierarchical Description of Changed UI Elements:

1. Desktop Widget (Floating Pop-up)
   - Position: Centered on the desktop, slightly above the middle of the
   screen.
   - Shape: Rounded rectangle with a light gray background and a subtle drop
   shadow.
   - Content:
     - Icon: A blue starburst icon (a small, multi-pointed star) located at
   the top-left corner.
     - Text:
       - Line 1: "Click Wallpaper to Show Desktop Items"
       - Line 2: "Quickly access desktop items and desktop widgets by clicking
   the wallpaper. Click again to bring windows back. You can change this in
   System Settings."
       - Line 3: "System Settings" (hyperlinked text, underlined and blue)

State:
- The widget is currently visible and active.
- It is a transient UI element that appears to be a tutorial or feature
introduction for the "Click to Show Desktop Items" functionality.
- The text is static and uneditable.
- The widget is not interactive in the sense of allowing user input, but it is
meant to be clicked on to trigger the desktop interaction feature it
describes.
```

49. mouse_click

Assessment: I'll click 'System Settings' as I planned. It seems I clicked the wallpaper or something triggered a tooltip. I'll click the System Settings icon in the dock again to be sure. [1319, 1151]. Wait, looking at the previous screenshot, System Settings is the icon with gears. Let's find it. It's the one with center [1319, 1151]. No, wait. 1319 is App Store? Let's check the captions. Ah, I don't have captions. I'll rely on visual. The gears icon is typically System Settings. In the Dock, from left to right: Finder, Launchpad, Safari, Messages, Mail, Maps, Photos, FaceTime, Calendar, Notes, Reminders, Podcasts, Music, App Store, System Settings, Trash. So it should be the 15th icon. 1319 is correct for the 15th icon. Wait, the icons are: Finder (1), App Store (14), System Settings (15), Trash (16). 1319 is correct for System Settings. Actually, 1319 is the 15th icon. Let's try it.
Clarification: Clicking on System Settings in the Dock.

Params: element=System Settings icon in the Dock, wait_seconds=5
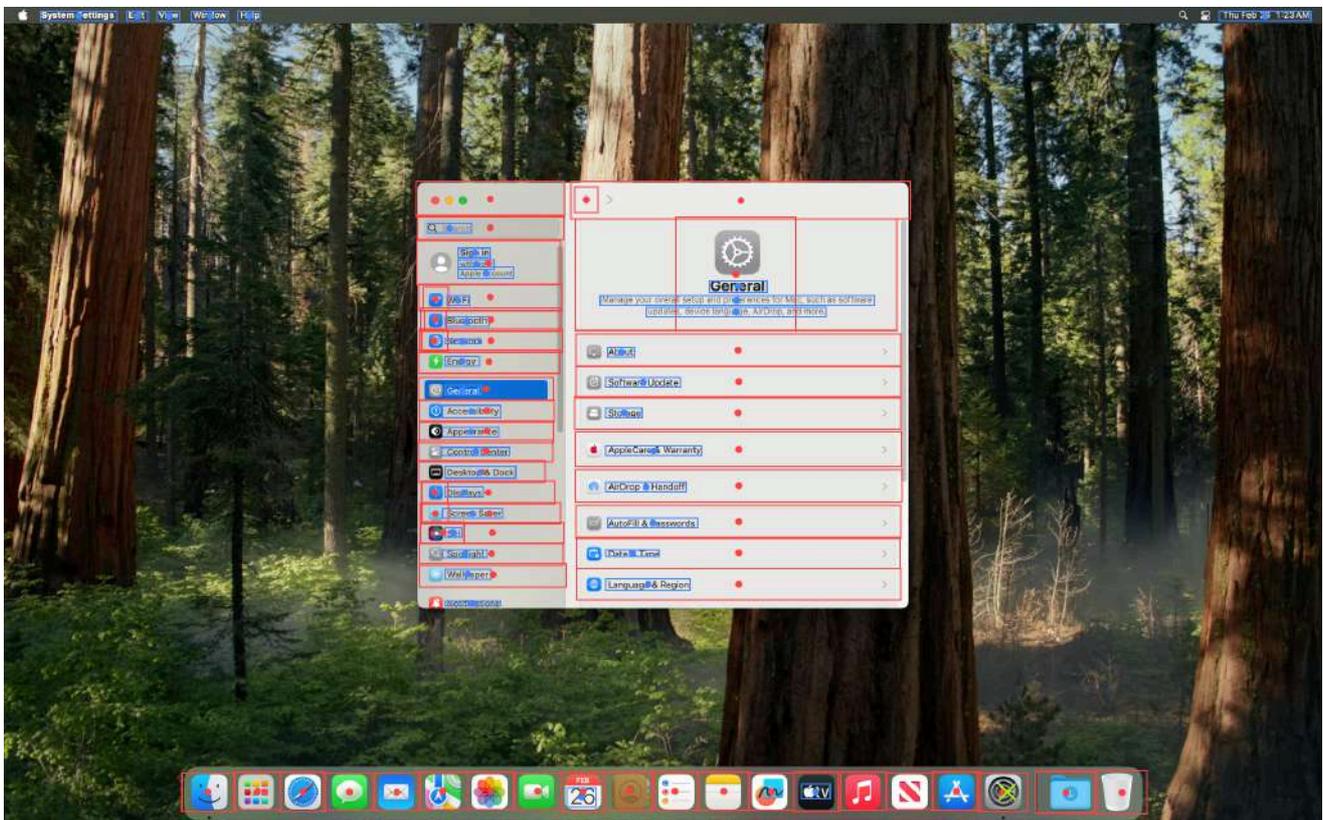
click: [1461, 1153] (element: "System Settings icon in the Dock")

Vision:

Changes: The desktop has changed from a clean state to one with the System Settings window open. The initial desktop tooltip ("Click Wallpaper to Show Desktop Items") is no longer visible, indicating the user has likely interacted with the desktop or the settings window has been opened.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical):

1. System Settings Window
    * Window Title Bar
        * Title: "System Settings"
        * State: Active window, focused.
    * Window Controls (Top-left corner)
        * Red Close Button: State: Enabled (clickable)
        * Yellow Minimize Button: State: Enabled (clickable)
        * Green Maximize Button: State: Enabled (clickable)
    * Left Sidebar Navigation Pane
        * Search Bar
            * Placeholder Text: "Search"
            * State: Empty, ready for input.
        * Navigation List
            * "Sign in with your Apple Account" (icon: person)
                * State: Visible, not selected.

* "Wi-Fi" (icon: Wi-Fi signal)
    * State: Visible, not selected.
* "Bluetooth" (icon: Bluetooth symbol)
    * State: Visible, not selected.
* "Network" (icon: network symbol)
    * State: Visible, not selected.
* "Energy" (icon: lightning bolt)
    * State: Visible, not selected.
* "General" (icon: gear)
    * State: Selected (highlighted in blue), active.
* "Accessibility" (icon: person with cane)
    * State: Visible, not selected.
* "Control Center" (icon: control center)
    * State: Visible, not selected.
* "Desktop & Dock" (icon: desktop with dock)
    * State: Visible, not selected.
* "Displays" (icon: monitor)
    * State: Visible, not selected.
* "Screen Saver" (icon: screen saver)
    * State: Visible, not selected.
* "Siri" (icon: Siri)
    * State: Visible, not selected.
* "Spotlight" (icon: magnifying glass)
    * State: Visible, not selected.
* "Wallpaper" (icon

50. mouse_scroll

Assessment: System Settings is open at the 'General' section. I need to find the 'Sharing' settings to enable Remote Login. it's usually under 'General'. I'll scroll down in the left pane to find 'Sharing'. Current visible items: General, Accessibility, Appearance, Control Center, Desktop & Dock, Displays, Screen Saver, Siri, Spotlight, Wallpaper, Notifications. I'll scroll down. **Clarification:** Scrolling down in the sidebar to find 'Sharing'.

Params: scrollY=-5, element=System Settings sidebar, wait_seconds=2
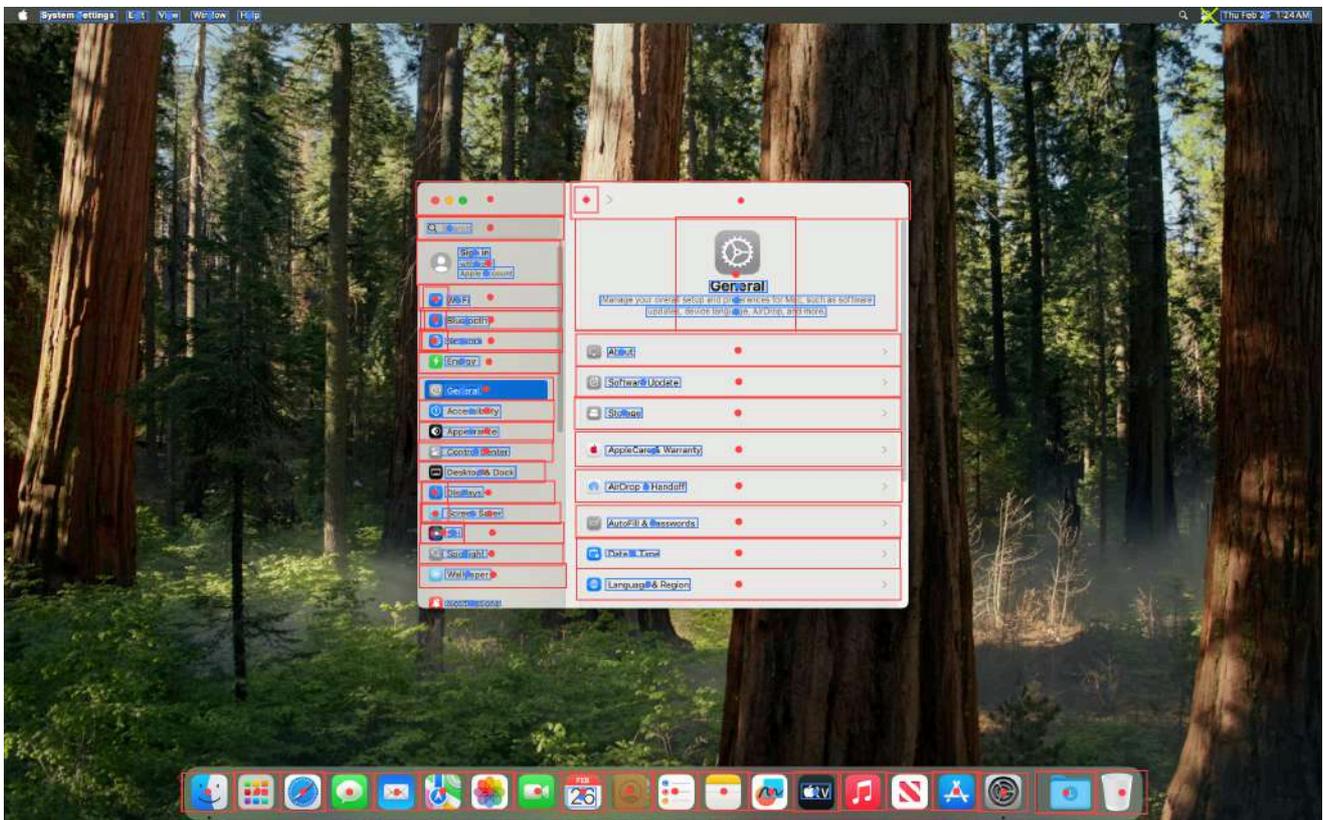
click: [1755, 13] (element: "System Settings sidebar")

Vision:

```
There are no changes between the two provided images. The interface remains
identical, showing the System Settings application on macOS, with the
"General" section selected in the sidebar and its corresponding options
displayed in the main pane. No UI elements have been modified, no inputs have
been made, and no state changes have occurred.
```

51. mouse_click

Assessment: I'll search for 'Sharing' in the search bar to find the Remote Login settings. The Search bar is at [648.8, 325.0]. **Clarification:** Clicking the search field in System Settings to search for 'Sharing'.

Params: element=Search field in System Settings, wait_seconds=2

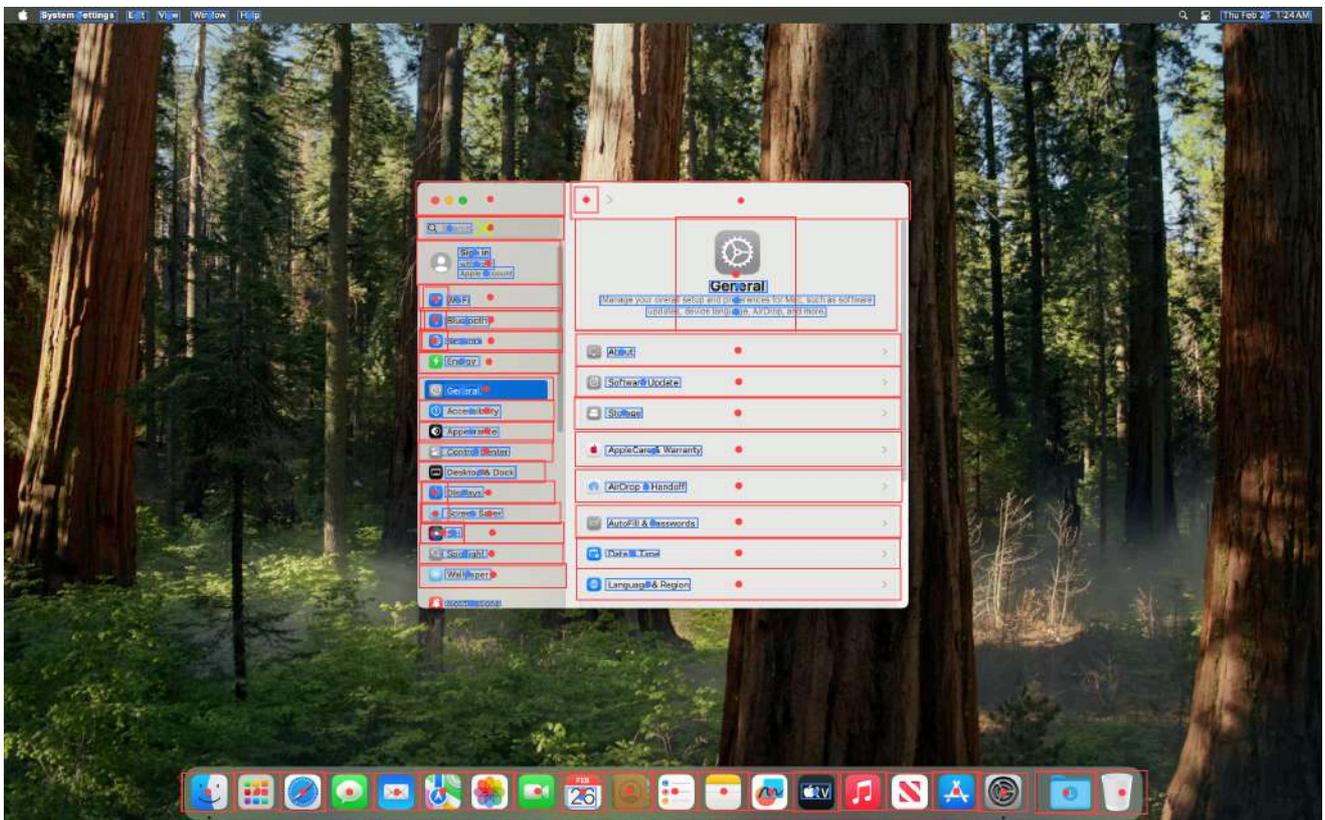**click:** [699, 325] (element: "Search field in System Settings")

Vision:

```
There are no changes between the two provided images. The interface remains
identical, showing the macOS System Settings application with the "General"
section selected. Therefore, no annotations for changes, no interface type
detection beyond confirming it is a GUI, and no description of changed UI
elements can be provided, as the state is unchanged.
```

52. keyboard_type

Assessment: I'll type 'Sharing' in the search bar.. It's already focused. **Clarification:** Typing 'Sharing' in the search field.

Params: sequence=["Sharing","\n"], delay=100, wait_seconds=5
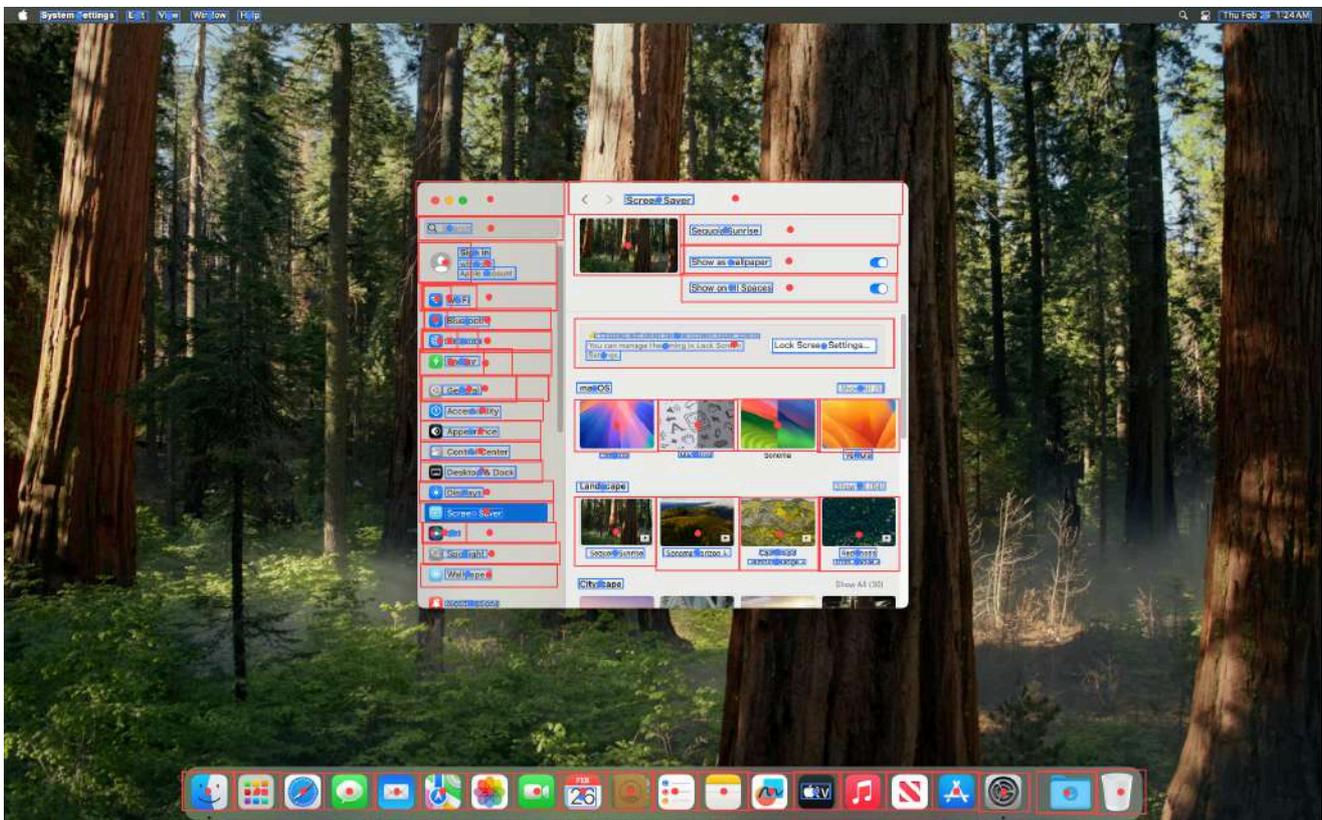
Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The user has navigated from the "General" settings page to the "Screen Saver" settings page.
- The highlighted selection in the left sidebar has changed from "General" to "Screen Saver".
- The main content area has been replaced with the Screen Saver configuration panel.

Hierarchical Description of Changed UI Elements and Their State:

1. System Settings Window
    - Left Sidebar Navigation Pane
      - "General" category item
        - State: Previously selected (highlighted in blue)
      - "Screen Saver" category item
        - State: Now selected (highlighted in blue)
    - Main Content Area
      - Previous Content: "General" settings page
        - Title: "General"
        - Description: "Manage your overall setup and preferences for Mac, such as software updates, device language, AirDrop, and more."
        - List of options: "About", "Software Update", "Storage", "AppleCare & Warranty", "AirDrop & Handoff", "AutoFill & Passwords", "Date & Time", "Language & Region"

– New Content: "Screen Saver" settings page
           – Title: "Screen Saver"
           – Preview Section
             – Preview Image: "Sequoia Sunrise" (a forest scene)
             – Option: "Show as wallpaper"
               – State: Enabled (toggle switch is ON)
             – Option: "Show on all Spaces"
               – State: Enabled (toggle switch is ON)
           – Warning Message
             – Text: "Display will sleep before screen saver starts. You can
manage the timing in Lock Screen Settings."
           – "Lock Screen Settings..." button
             – State: Available (button is present and clickable)
           – Category Grid
             – Category: "macOS"
               – Items: "Sequoia", "Macintosh", "Sonoma", "Ventura"
             – Category: "Landscape"
               – Items: "Sequoia Sunrise", "Sonoma Horizon", "California's Temblor
Range", "Redwoods from Above"
             – Category: "Cityscape"
               – Items: (Partially visible, not fully shown)

53. keyboard_type

Assessment: I seems I was not in the search bar. I'll click the Search bar again at [648, 325] and then type. **Clarification:** Clicking the search input and typing 'remote login'.

**Params:** sequence=["remote login","\n"], delay=100, wait_seconds=5
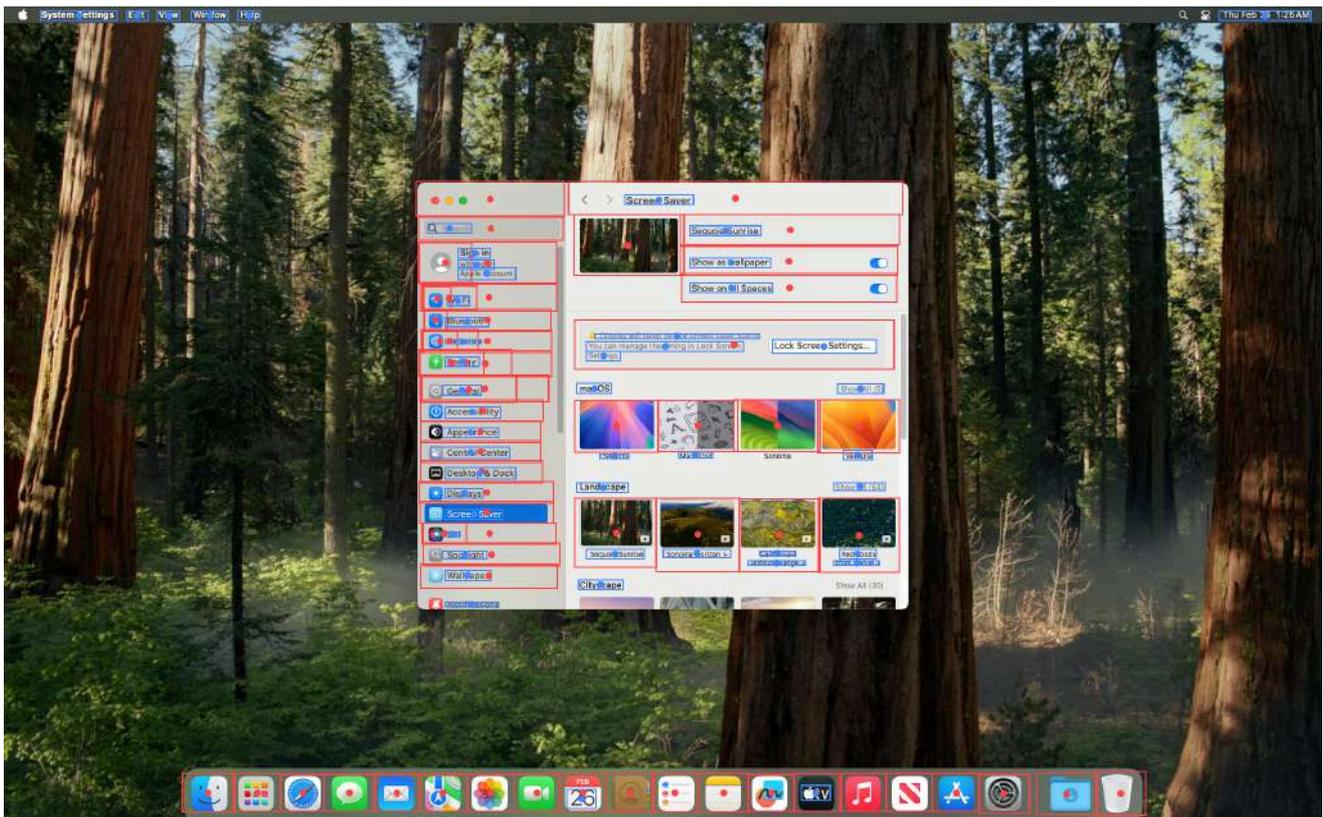
Vision:

```
There are no changes between the two provided images. The System Settings
window is open to the "Screen Saver" section, and all elements, including the
selected screen saver ("Sequoia Sunrise"), its toggle options ("Show as
wallpaper", "Show on all Spaces"), and the categories of available screen
savers ("macOS", "Landscape", "Cityscape"), are identical in both screenshots.
The interface type is a GUI (Graphical User Interface).
```

54. mouse_click

Assessment: Search is not working as expected. I'll scroll the sidebar more to find 'Sharing'. Current categories in sidebar: General, Accessibility, Appearance, Control Center, Desktop & Dock, Displays, Screen Saver, Siri, Spotlight, Wallpaper, Notifications. it seems 'Sharing' should be under 'General'. I'll click 'General' again and look for 'Sharing' in the main area. **Clarification:** Clicking 'General' in the sidebar.

Params: element=General category in the sidebar, wait_seconds=2
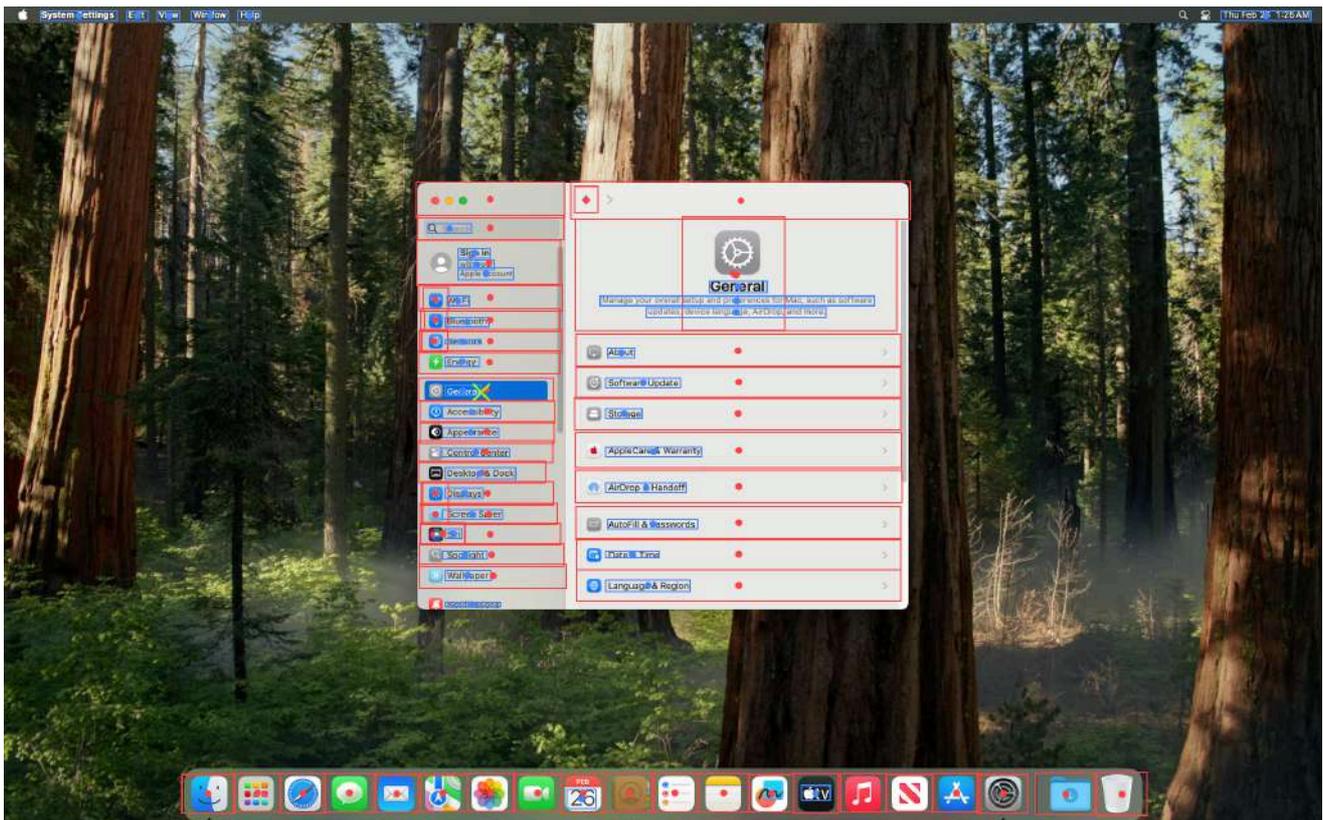
click: [695, 565] (element: "General category in the sidebar")

Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
– The active pane in System Settings has changed from "Screen Saver" to
```

"General".
– The content area of the main window has been replaced. The previous "Screen
Saver" settings (including the preview of "Sequoia Sunrise" and its toggle
switches) are now gone.
– The new content displays the "General" settings page, which includes a
header with a gear icon and the title "General", followed by a list of
configuration options.

Hierarchical Description of Changed UI Elements and Their State:

1. System Settings Window (Root Container)
    – Left Sidebar Navigation Pane
      – Selected Item: "General" (highlighted with a blue background)
      – Previous Selected Item: "Screen Saver" (no longer highlighted)
      – Other Items: "Wi-Fi", "Bluetooth", "Network", "Energy",
"Accessibility", "Appearance", "Control Center", "Desktop & Dock", "Displays",
"Siri", "Spotlight", "Wallpaper", "Notifications" (all remain unselected)
    – Main Content Pane
      – Header Section
        – Icon: Gear icon
        – Title: "General"
        – Subtitle: "Manage your overall setup and preferences for Mac, such as
software updates, device language, AirDrop, and more."
      – Settings List (Vertical Scrollable List)
        – Item 1: "About" (icon: Document with gear, right arrow)
        – Item 2: "Software Update" (icon: Clock, right arrow)
        – Item 3: "Storage" (icon: Hard drive, right arrow)
        – Item 4: "AppleCare & Warranty" (icon: Apple logo, right arrow)
        – Item 5: "AirDrop & Handoff" (icon: AirDrop symbol, right arrow)
        – Item 6: "AutoFill & Passwords" (icon: Key, right arrow)
        – Item 7: "Date & Time" (icon: Clock, right arrow)
        – Item 8: "Language & Region" (icon: Globe, right arrow)
      – Visual State: All items are in a default, unselected state with no
visual indication of being active or expanded. The list is displayed with a
light gray background and rounded corners.

55. mouse_scroll

Assessment: I'm in the 'General' section. I'll scroll down the main general list to find 'Sharing'. Current visible: About, Software Update, Storage, AppleCare, AirDrop, AutoFill, Date & Time, Language & Region. I'll scroll down. **Clarification:** Scrolling down in the General settings main pane to find 'Sharing'.

Params: scrollY=-5, element=General settings main pane, wait_seconds=2
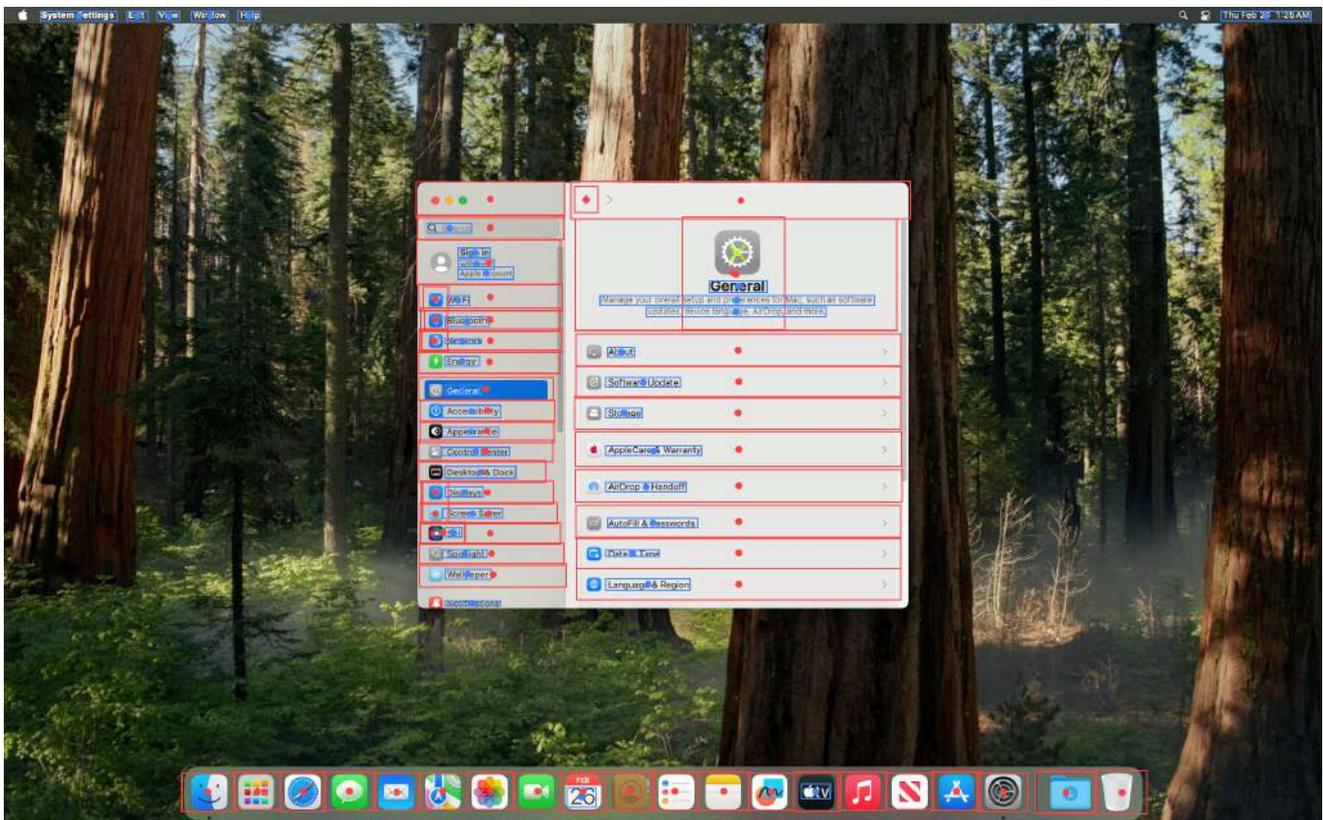
click: [1068, 361] (element: "General settings main pane")

Vision:

There are no changes between the two provided images. The interface is identical in both, showing the macOS System Settings application with the "General" section selected.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (hierarchical, down to last element):

– Main System Settings Window
  – Title Bar
    – Apple logo (left)
    – "System Settings" (left)
    – "Edit", "View", "Window", "Help" (menu bar items)
    – Window control buttons (red, yellow, green circles) (right)
  – Left Sidebar Navigation Pane
    – Search bar (top, with magnifying glass icon)
    – "Sign in with your Apple Account" (with user icon)
    – "Wi-Fi" (with Wi-Fi icon)
    – "Bluetooth" (with Bluetooth icon)
    – "Network" (with network icon)
    – "Energy" (with battery icon)
    – "General" (with gear icon, highlighted in blue, indicating selection)
    – "Accessibility" (with accessibility icon)
    – "Appearance" (with paintbrush icon)

– "Control Center" (with control center icon)
          – "Desktop & Dock" (with desktop and dock icon)
          – "Displays" (with display icon)
          – "Screen Saver" (with screen saver icon)
          – "Siri" (with Siri icon)
          – "Spotlight" (with magnifying glass icon)
          – "Wallpaper" (with wallpaper icon)
          – "Notifications" (with bell icon)
      – Main Content Pane (right side)
          – Header section
              – Gear icon (large)
              – "General" (large title text)
              – Description text: "Manage your overall setup and preferences for Mac,
  such as software updates, device language, AirDrop, and more."
          – List of settings options (each with right-pointing chevron)
              – "About" (with information icon)
              – "Software Update" (with clock icon)
              – "Storage" (with hard drive icon)
              – "AppleCare & Warranty" (with Apple logo icon)
              – "AirDrop & Handoff" (with AirDrop icon)
              – "AutoFill & Passwords" (with lock icon)
              – "Date & Time" (with calendar icon)
              – "Language & Region" (with globe icon)
      – Window controls (top right of content pane)

56. mouse_scroll

Assessment: I'll try scrolling the main General list more to find 'Sharing'. Current list ends at 'Language & Region'. I'll scroll down. **Clarification:** Scrolling down in the General settings main pane to find 'Sharing'.

Params: scrollY=-5, element=General settings main list area, wait_seconds=2
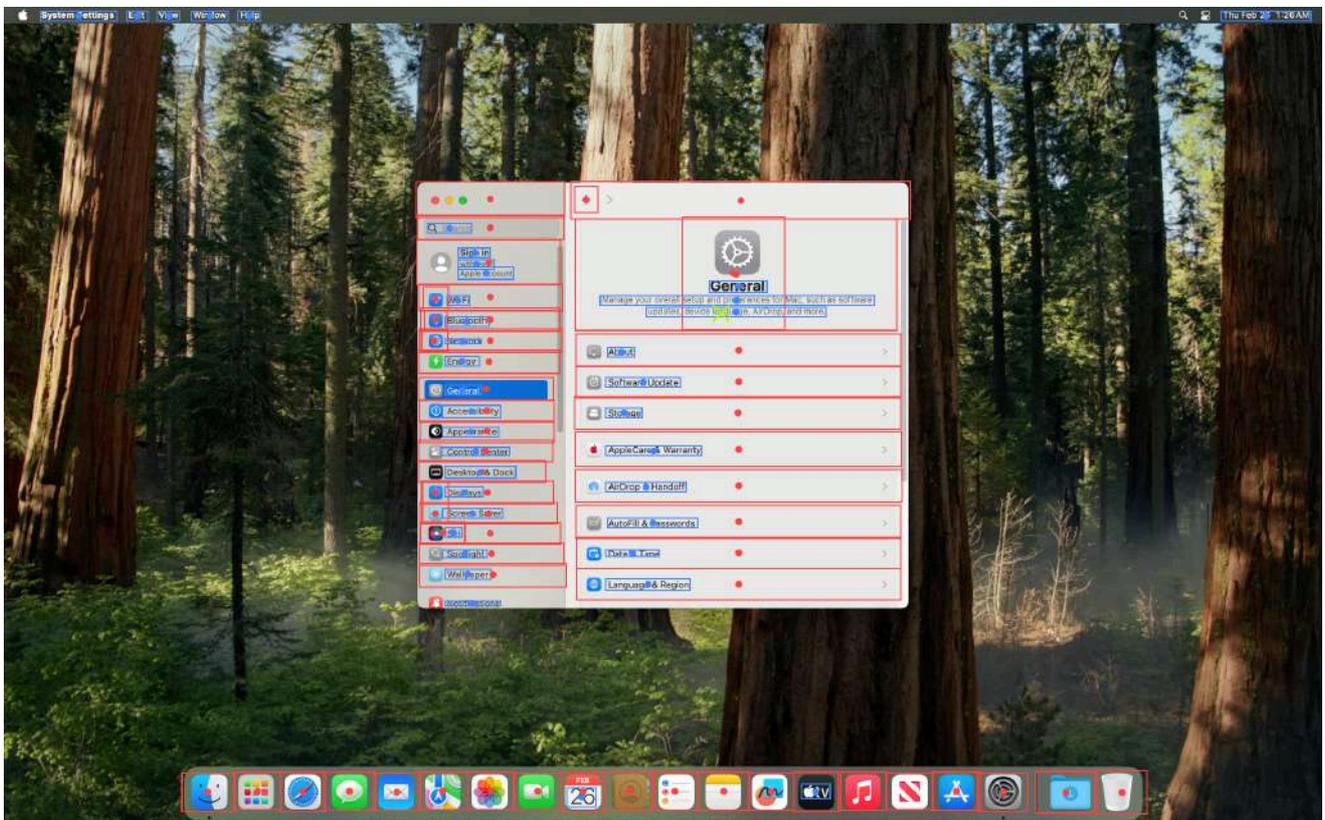
click: [1044, 450] (element: "General settings main list area")

Vision:

There are no changes between the two provided images. The interface remains identical, showing the macOS System Settings application with the "General" section selected. No UI elements have been modified, and no new inputs or selections have been made.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (None):

*   The entire System Settings window is unchanged.
*   The sidebar on the left is unchanged, with "General" highlighted in blue.
*   The main content pane on the right is unchanged, displaying the "General" settings list.
*   All individual settings items (About, Software Update, Storage, etc.) are in their original state, with no selections or modifications indicated.
*   The window title bar, dock, and desktop background are also unchanged.

57. mouse_click

Assessment: Scrolling is not revealing 'Sharing'. I'll try to use the sidebar to scroll down. I'll click below 'Notifications'. Wait, 'Notifications' is the last visible. I'll use the mouse wheel to scroll down in the sidebar. [200, 600]. **Clarification:** Scrolling down in the sidebar using mouse wheel to find 'Sharing'.

Params: x=200, y=600, wait_seconds=2
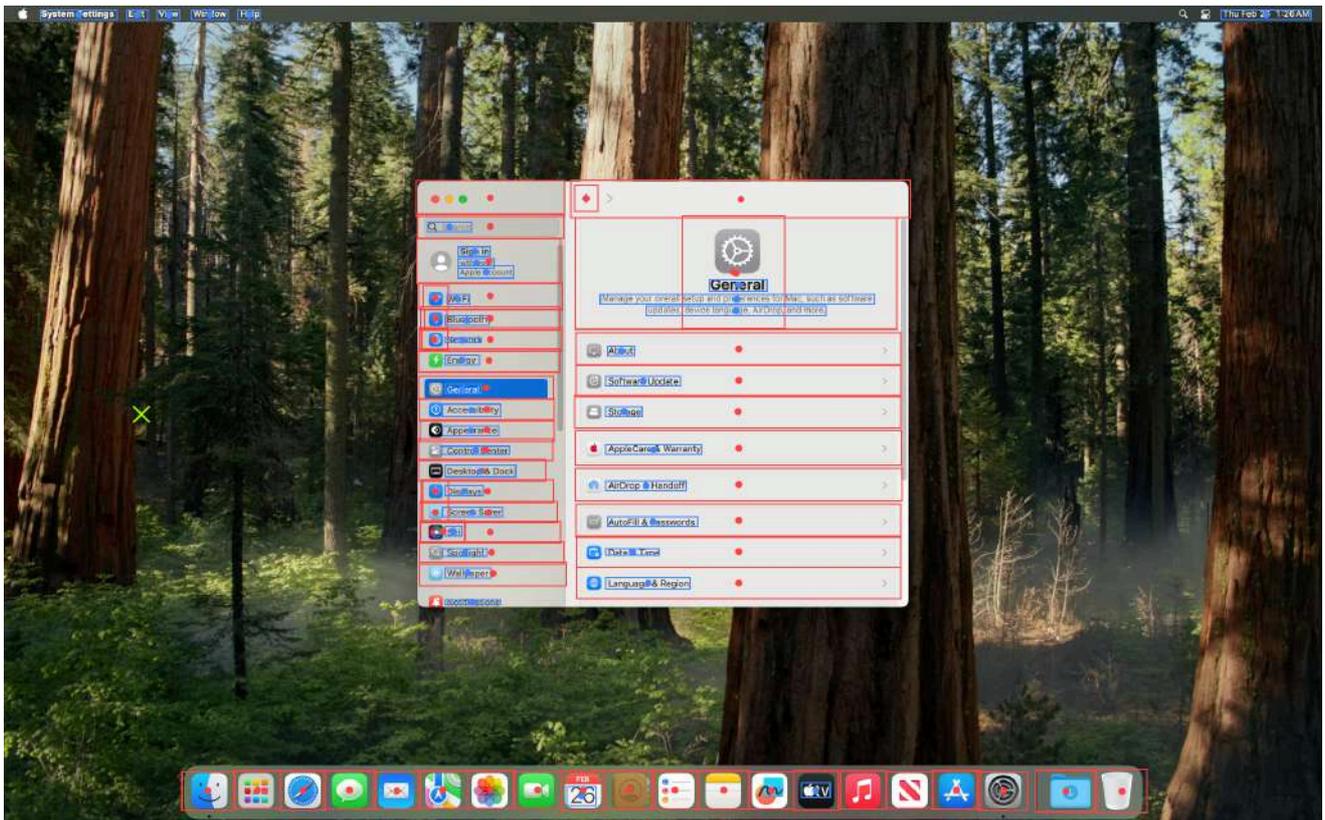
Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical, down to the last element and their state):

- System Settings Window
 - Left Sidebar
    - Search bar
      - State: Empty
    - "Sign in with your Apple Account" section
      - State: Visible, not signed in
    - List of categories
      - "Wi-Fi" item
        - State: Not selected
      - "Bluetooth" item
        - State: Not selected
      - "Network" item
        - State: Not selected
      - "Energy" item
        - State: Not selected
      - "General" item

– State: Selected (highlighted in blue)
        – "Accessibility" item
            – State: Not selected
        – "Appearance" item
            – State: Not selected
        – "Control Center" item
            – State: Not selected
        – "Desktop & Dock" item
            – State: Not selected
        – "Displays" item
            – State: Not selected
        – "Screen Saver" item
            – State: Not selected
        – "Siri" item
            – State: Not selected
        – "Spotlight" item
            – State: Not selected
        – "Wallpaper" item
            – State: Not selected
        – "Notifications" item
            – State: Not selected
    – Right Content Pane
        – Header
            – "General" title
                – State: Visible
            – Description text
                – State: Visible, "Manage your overall setup and preferences for Mac, such as software updates, device language, AirDrop, and more."
        – List of settings
            – "About" item
                – State: Visible, not selected
            – "Software Update" item
                – State: Visible, not selected
            – "Storage" item
                – State: Visible, not selected
            – "AppleCare & Warranty" item
                – State: Visible, not selected
            – "AirDrop & Handoff" item
                – State: Visible, not selected
            – "AutoFill & Passwords" item
                – State: Visible, not selected
            – "Date & Time" item
                – State: Visible, not selected
            – "Language &

58. mouse_scroll

Assessment: I'll try scrolling the sidebar down to find 'Sharing'. I'll place the mouse in the sidebar and scroll multiple times. [200, 600] and then scroll. **Clarification:** Scrolling down in the sidebar.

Params: scrollY=-15, element=System Settings sidebar area, wait_seconds=2
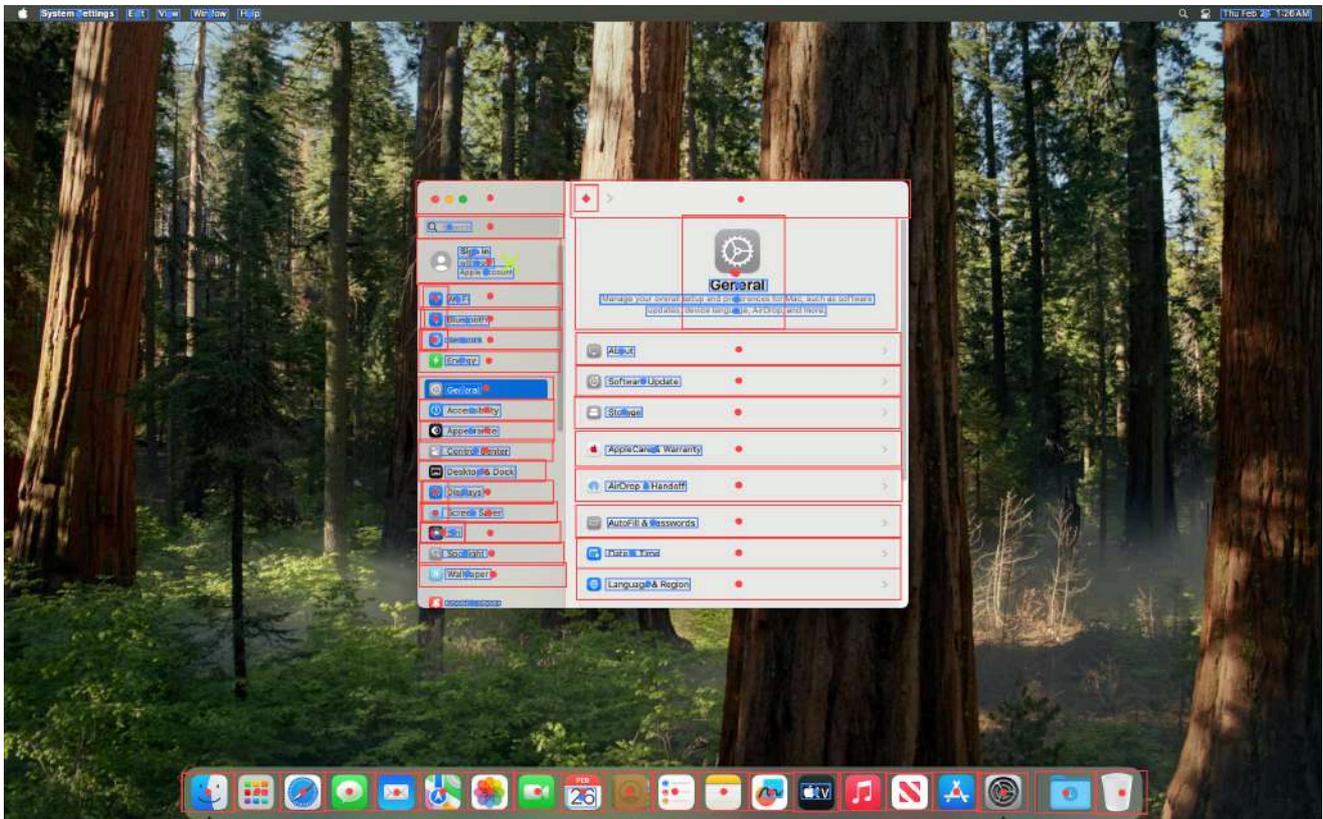
click: [737, 378] (element: "System Settings sidebar area")

Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical, down to the last element and their state):

- System Settings Window
  - Title Bar
    - Application Name: "System Settings"
    - Menu Bar: "Edit", "View", "Window", "Help"
    - Window Control Buttons: Red (close), Yellow (minimize), Green (maximize)
- all present and functional.
  - Left Sidebar Navigation Pane
    - Search Bar: Placeholder text "Search" visible.
    - Sign-in Section: "Sign in with your Apple Account" with user icon.

```
    – Category List:
      – "Wi-Fi" (icon: Wi-Fi symbol)
      – "Bluetooth" (icon: Bluetooth symbol)
      – "Network" (icon: network symbol)
      – "Energy" (icon: battery symbol)
      – "General" (icon: gear symbol) – selected, highlighted in blue.
      – "Accessibility" (icon: accessibility symbol)
      – "Appearance" (icon: paintbrush symbol)
      – "Control Center" (icon: control center symbol)
      – "Desktop & Dock" (icon: desktop and dock symbol)
      – "Displays" (icon: display symbol)
      – "Screen Saver" (icon: screen saver symbol)
      – "Siri" (icon: Siri symbol)
      – "Spotlight" (icon: magnifying glass symbol)
      – "Wallpaper" (icon: wallpaper symbol)
      – "Notifications" (icon: notification bell symbol)
  – Main Content Area (General Settings)
    – Header Section
      – Icon: Gear symbol.
      – Title: "General"
      – Description: "Manage your overall setup and preferences for Mac, such
 as software updates, device language, AirDrop, and more."
    – Settings List (Vertical Scrollable List)
      – "About" – Right arrow (>) visible.
      – "Software Update" – Right arrow (>) visible.
      – "Storage" – Right arrow (>) visible.
      – "AppleCare & Warranty" – Right arrow (>) visible.
      – "AirDrop & Handoff" – Right arrow (>) visible.
      – "AutoFill & Passwords" – Right arrow (>) visible.
      – "Date & Time" – Right arrow (>) visible.
      – "Language & Region" – Right
```

59. mouse_click

Assessment: I'll try one more time to search for 'Sharing'. I'll click very precisely. [648, 325]. If this doesn't work, I'll use the 'General' sub-items and scroll. Wait, I should try to use 'keyboard_type' to trigger search using the shortcut Cmd+F. **Clarification:** Using Cmd+F to focus the search bar in System Settings and then typing 'Sharing'.
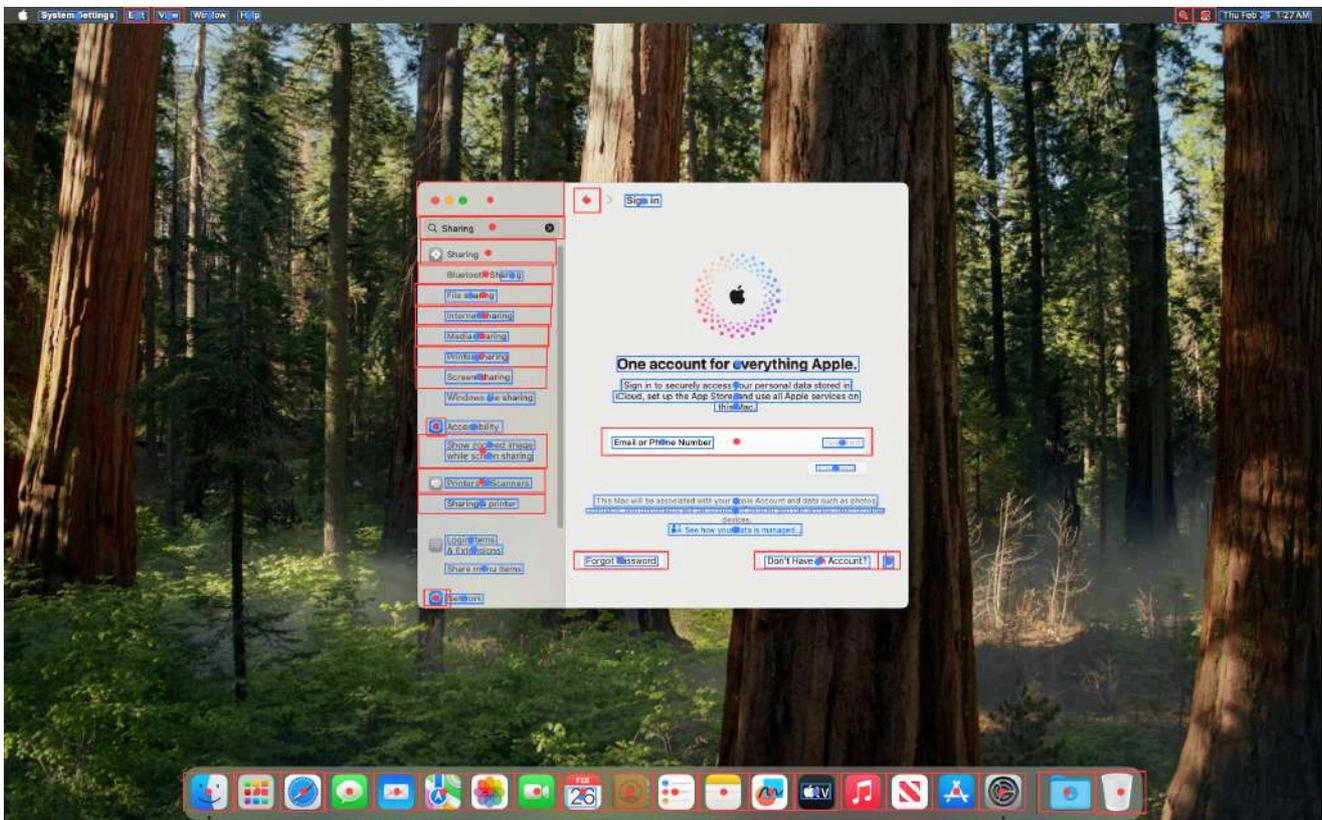
Params: wait_seconds=5

60. keyboard_type

Assessment: I made a mistake in the tool call. I meant keyboard_type for meta+f.
Clarification: Using Cmd+F to focus the search bar and then typing 'Sharing'.

Params: sequence=["meta+f","Sharing","\n"], delay=100, wait_seconds=5

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The active pane in System Settings has changed from "General" to "Sharing".
- The content area has changed from the "General" settings list to a "Sign in" dialog.
- The sidebar selection has changed from "General" to "Sharing".
- The search bar text has changed from empty to "Sharing".

Hierarchical Description of Changed UI Elements and Their States:

1. System Settings Window
   - Left Sidebar Pane
     - Search Bar
       - Text: "Sharing" (was previously empty)
     - Category List
       - Selected Item: "Sharing" (was previously "General")
       - Other visible items: "Accessibility", "Printers & Scanners", "Login Items & Extensions", "Network"
   - Right Content Pane
     - Header
       - Title: "Sign in" (was previously "General")
       - Back Button: Present (was previously absent)
     - Main Content Area
       - Header Graphic: Apple logo surrounded by a colorful ring (was previously the gear icon)

```
            – Header Text: "One account for everything Apple." (was previously
    "General")
            – Subtext: "Sign in to securely access your personal data stored in
    iCloud, set up the App Store, and use all Apple services on this Mac." (was
    previously "Manage your overall setup and preferences for Mac, such as
    software updates, device language, AirDrop, and more.")
                – Input Field
                    – Label: "Email or Phone Number" (was previously absent)
                    – Placeholder Text: "required" (was previously absent)
                    – State: Empty (was previously absent)
                – Button
                    – Label: "Continue" (was previously absent)
                    – State: Enabled (was previously absent)
                – Link
                    – Text: "See how your data is managed..." (was previously absent)
                – Link
                    – Text: "Forgot Password" (was previously absent)
                – Link
                    – Text: "Don't Have an Account?" (was previously absent)
                – Help Icon
                    – Text: "?" (was previously absent)
```

61. mouse_click

Assessment: I seems I was not in the 'Sharing' window but a 'Sign in' page? Wait, search results show 'File sharing', 'Internet sharing', etc. under 'Sharing'. I'll click 'File Sharing' to get to the Sharing settings. it's at [679.5, 424.4]. **Clarification:** Clicking 'File sharing' in the search results to go to Sharing settings.

Params: element=File sharing result in search, wait_seconds=2
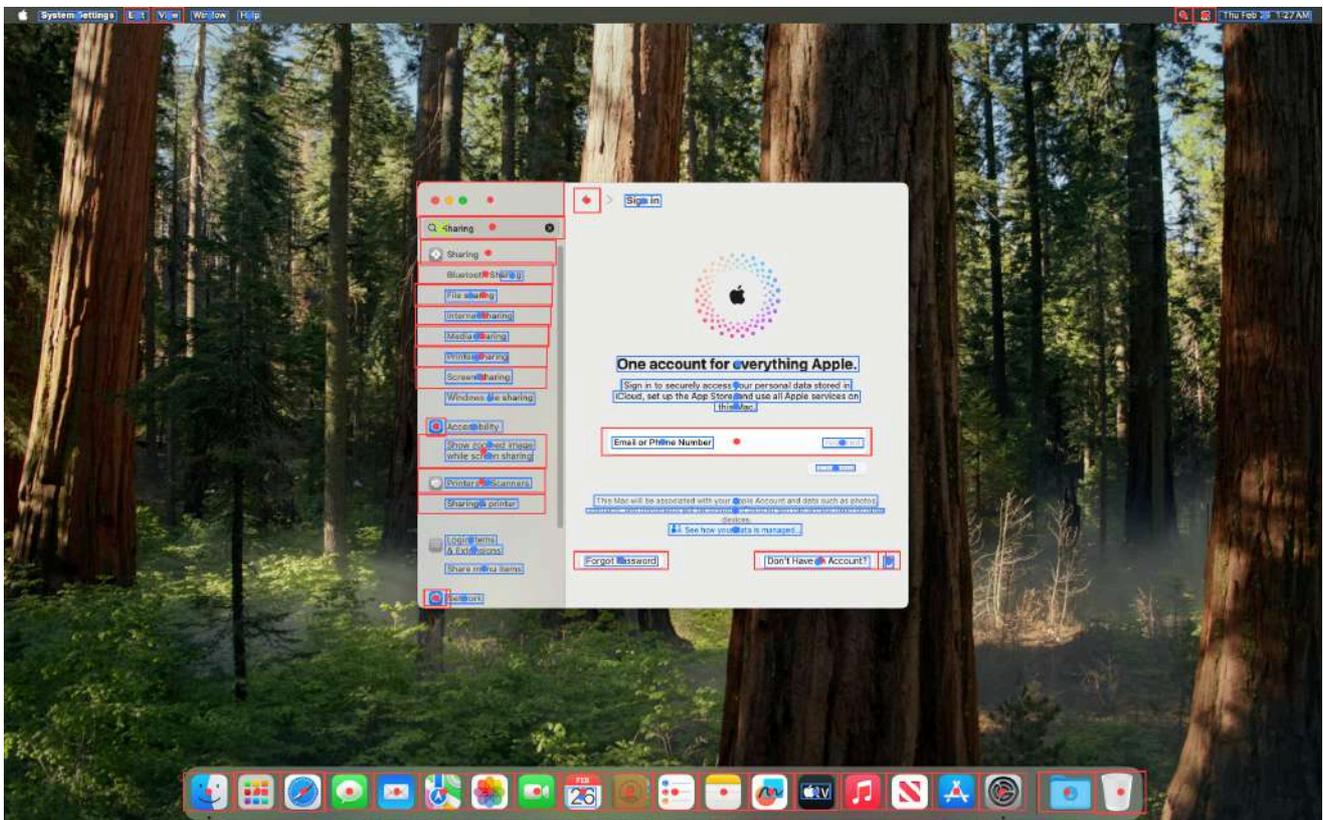
click: [636, 325] (element: "File sharing result in search")

Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical, down to the last element and their state):

- Main Window: System Settings window is open.
  - Window Title: "System Settings"
  - Window Controls: Red, Yellow, Green buttons at top-left are visible and in default state.
  - Window Content: Two panes are visible.
    - Left Pane (Sidebar):
      - Search Bar: Contains the text "Sharing".
      - List of Categories:
        - "Sharing" (selected, indicated by a blue highlight and a small icon).
        - "Bluetooth Sharing"
        - "File sharing"
        - "Internet sharing"
        - "Media Sharing"
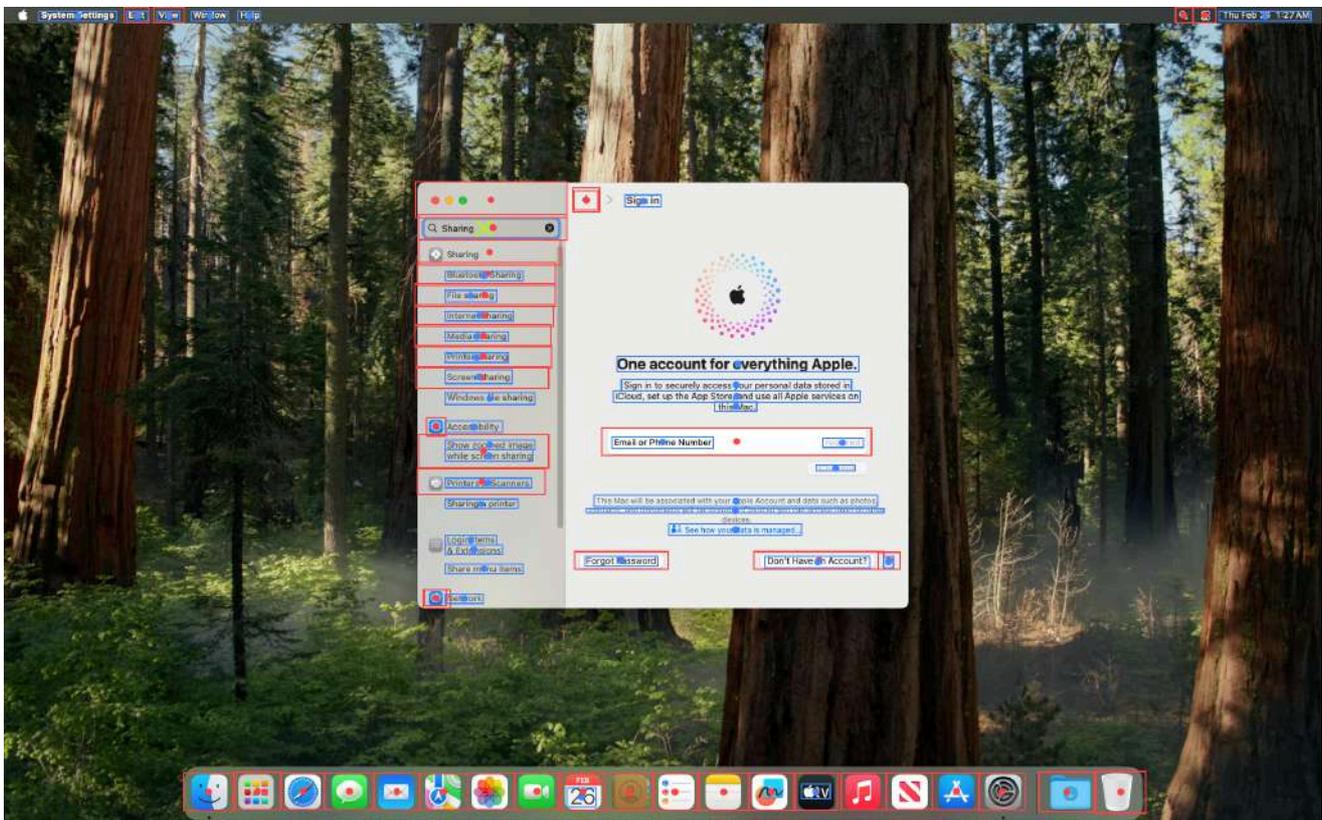   - "Printer sharing"
        - "Screen Sharing"

– "Windows file sharing"
          – "Accessibility" (not selected, has a blue icon).
          – "Printers & Scanners" (not selected, has a printer icon).
          – "Login Items & Extensions" (not selected, has a document icon).
          – "Network" (not selected, has a network icon).
      – Right Pane (Content Area):
          – Header: "Sign in"
          – Apple Logo: A colorful, circular Apple logo is centered.
          – Main Text: "One account for everything Apple." followed by "Sign in to
securely access your personal data stored in iCloud, set up the App Store, and
use all Apple services on this Mac."
          – Input Field: "Email or Phone Number" (placeholder text, no input
entered, "required" label to the right).
          – Button: "Continue" (inactive, greyed out, because no input is
provided).
          – Information Text: "This Mac will be associated with your Apple Account
and data such as photos, contacts, and documents will be stored in iCloud so
you can access them on other devices."
          – Link: "See how your data is managed..." (blue, underlined hyperlink).
          – Button: "Forgot Password" (inactive, greyed out).
          – Button: "Don't Have an Account?" (inactive, greyed out).
          – Help Icon: A question mark icon next to "Don't Have an Account?"
(inactive, greyed out).

No changes have occurred. All elements are in their initial state as described
above.

62. mouse_click

Assessment: Search results showed 'File sharing'. I'll try to find 'Sharing' or 'General >
Sharing'. I'll stop searching and click 'General' then look for 'Sharing' inside. Wait, I already
did that and couldn't find it. Sharing is usually a separate item in the sidebar if not under
General. Wait, I'll clear the search. I'll click the 'X' in the search bar. coordinates for 'X':
[700, 325] roughly. Or just click the search bar and Backspace. **Clarification:** Clearing the
search to see the full sidebar.

Params: element=Search field in System Settings, wait_seconds=2

click: [699, 325] (element: "Search field in System Settings")

Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
- The search field at the top of the left sidebar in System Settings has been
focused and selected. The text "Sharing" is now highlighted in blue,
indicating active text selection or cursor presence within the field.

Hierarchical Description of UI Elements and Their State:

1.  System Settings Window (Top-Level Container)
    -   Title Bar: "System Settings" with standard macOS window control
buttons (red, yellow, green) on the left.
    -   Menu Bar: "Edit", "View", "Window", "Help" are visible.
    -   Status Bar (Top-Right): Displays date and time ("Thu Feb 26 1:27 AM")
and system icons.

2.  Left Sidebar (Navigation Pane)
    -   Search Field:
    -   Text: "Sharing"
    -   State: Currently selected (text highlighted in blue, indicating
focus).
    -   Navigation List (Below Search Field):
    -   "Sharing" (with disclosure arrow) - Selected/Highlighted
    -   "Bluetooth Sharing"
```

```
        —   "File sharing"
        —   "Internet sharing"
        —   "Media Sharing"
        —   "Printer sharing"
        —   "Screen Sharing"
        —   "Windows file sharing"
        —   "Accessibility" (with icon) — Unselected
        —   "Show zoomed image while screen sharing"
        —   "Printers & Scanners" (with icon) — Unselected
        —   "Sharing a printer"
        —   "Login Items & Extensions" (with icon) — Unselected
        —   "Share menu items"
        —   "Network" (with icon) — Unselected

  3.  Main Content Area (Right Pane)
      —   Header:
      —   Back Button: Left-pointing chevron (<<)
      —   Title: "Sign in"
      —   Main Content:
          —   Apple Logo: A multicolored, concentric circle logo centered above
 the text.
          —   Main Heading: "One account for everything Apple."
          —   Subtext: "Sign in to securely access your personal data stored in
 iCloud, set up the App Store, and use all Apple services on this Mac."
          —   Input Field:
              —   Label: "Email or Phone Number"
              —   State: Empty, with "required" label to its right.
          —   Action Button:
```

63. keyboard_type

Assessment: I'm in search and 'Sharing' is highlighted. I'll just press 'Backspace' to clear it, then type 'Sharing' again and 'Return'. I want the main Sharing page. 'Remote Login' is what I need. I'll search for 'Remote Login' directly. **Clarification:** Clearing search and typing 'Remote Login' to find the specific setting.

Params: sequence=["Backspace","Remote Login","\n"], delay=100, wait_seconds=5
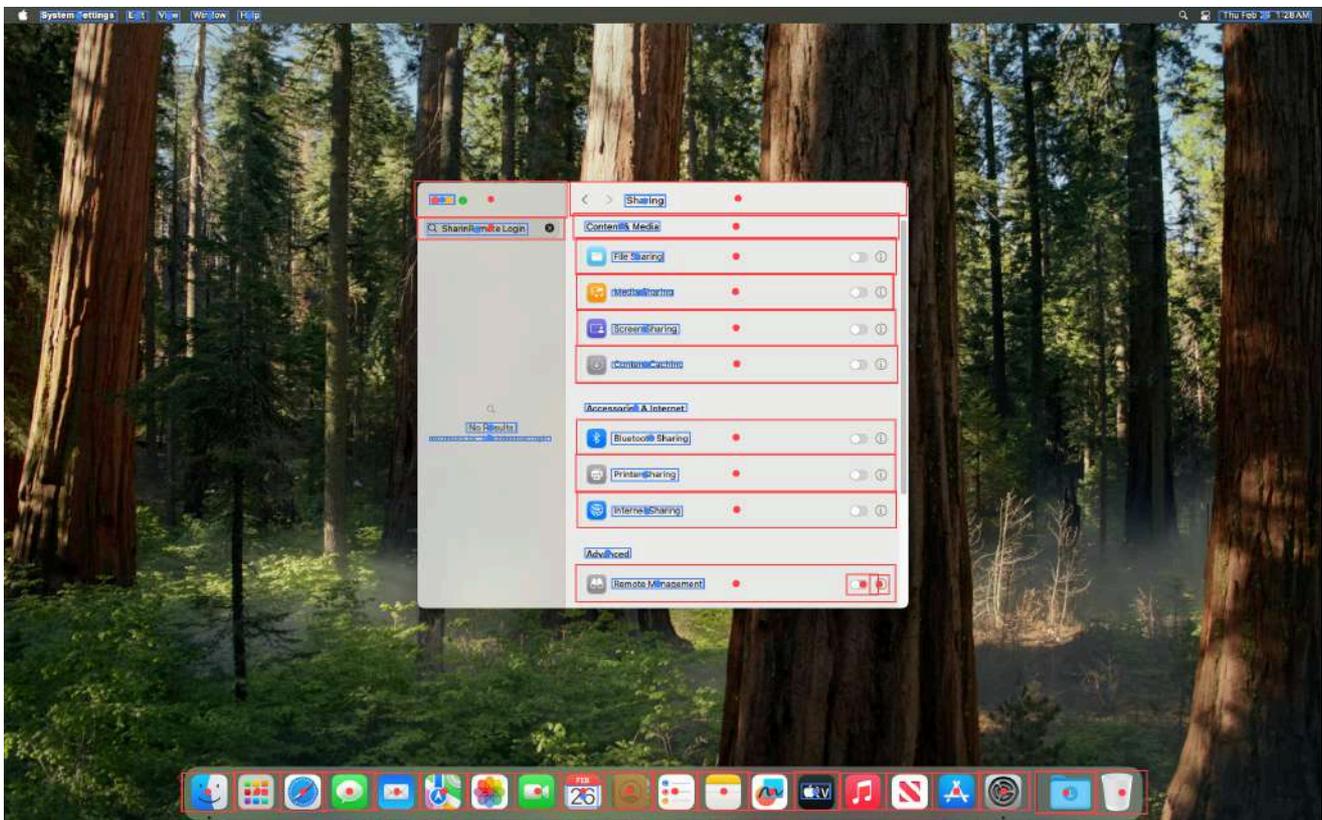
Vision:

Interface Type: TUI (Text User Interface) — This is a macOS System Settings window, which is a graphical user interface (GUI). The term "TUI" is incorrect for this context. The interface is a GUI with visual elements like windows, buttons, and icons.

Changes Detected:
1. The search query in the left sidebar search field changed from "Sharing" to "SharinRemote Login".
2. The search results changed from showing the "Sharing" settings page to showing "No Results" for the query.
3. The main content area changed from the Apple ID sign-in screen to the Sharing settings page.

Changed UI Elements and Inputs (Hierarchical):

Level 1: Left Sidebar
– Element: Search Field
  – State: Text changed from "Sharing" to "SharinRemote Login"
  – Input: Text input field with placeholder text "Search"
  – State: Now displays "SharinRemote Login" as the entered text

Level 2: Left Sidebar Search Results
– Element: Search Results Area
  – State: Changed from displaying the "Sharing" category to displaying "No Results"
  – Input: Text label "No Results" and subtext "No results for 'SharinRemote

```
  Login'"

Level 3: Main Content Area
— Element: Header
  — State: Changed from "Sign in" to "Sharing"
  — Input: Text label serving as the page title

Level 4: Main Content Area — Sharing Settings
— Element: Section Header "Content & Media"
  — State: Added
  — Input: Text label
— Element: Toggle Switch for "File Sharing"
  — State: Added
  — Input: Toggle switch (currently off)
— Element: Toggle Switch for "Media Sharing"
  — State: Added
  — Input: Toggle switch (currently off)
— Element: Toggle Switch for "Screen Sharing"
  — State: Added
  — Input: Toggle switch (currently off)
— Element: Toggle Switch for "Content Caching"
  — State: Added
  — Input: Toggle switch (currently off)
— Element: Section Header "Accessories & Internet"
  — State: Added
  — Input: Text label
— Element: Toggle Switch for "Bluetooth Sharing"
  — State: Added
  — Input: Toggle switch (currently off)
— Element: Toggle Switch for "Printer Sharing"
  — State: Added
  — Input: Toggle switch (currently off)
— Element: Toggle Switch
```

64. mouse_scroll

Assessment: I'm in the Sharing settings main pane now although search says 'No Results'. I see 'Screen Sharing', 'Bluetooth Sharing', etc. but no 'Remote Login' yet. I'll scroll down the main Sharing list to find 'Remote Login'. Visible items: File Sharing, Media Sharing, Screen Sharing, Content Caching, Bluetooth Sharing, Printer Sharing, Internet Sharing. none of them is Remote Login. it might be further down. I'll scroll. **Clarification:** Scrolling down in the Sharing settings main pane to find 'Remote Login'.

Params: scrollY=-5, element=Sharing settings main list area, wait_seconds=2
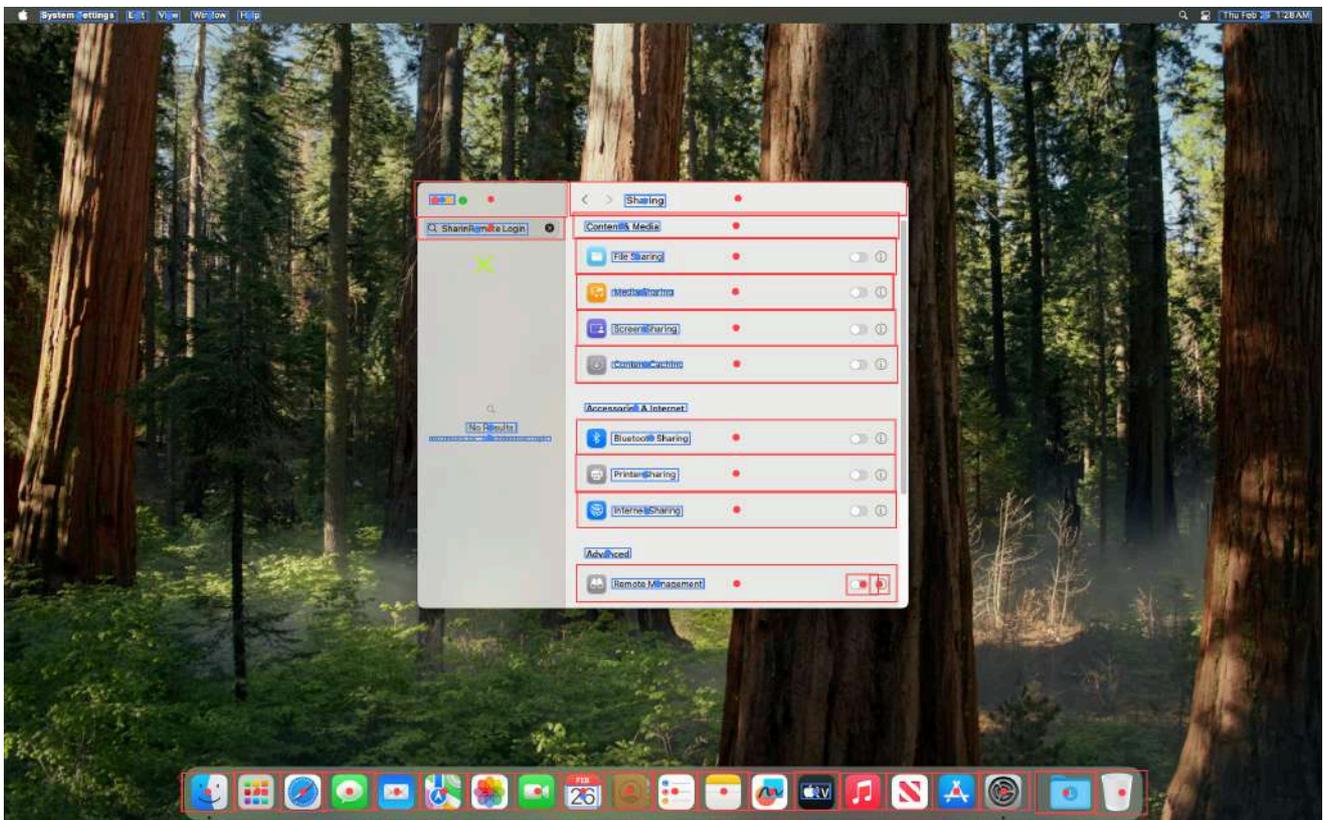
click: [699, 378] (element: "Sharing settings main list area")

Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical, down to the last element and their state):

– System Settings Window
  – Title Bar
    – Application Name: "System Settings"
    – Window Control Buttons: Red (close), Yellow (minimize), Green (maximize) – all present and in default state.
  – Search Bar (Left Side Panel)
    – Placeholder Text: "Search"
    – Search Input Field: Contains the text "SharinRemote Login"
    – Search Results: "No Results" with subtext "No results for 'SharinRemote Login'"
  – Left Navigation Panel
    – Search Bar: Present, contains "SharinRemote Login"
    – Search Results: "No Results" with subtext "No results for 'SharinRemote Login'"
  – Main Content Area (Right Side)
    – Header: "Sharing"

```
       – Section: "Content & Media"
         – Item: "File Sharing"
           – Toggle Switch: OFF (white, circle on left)
           – Info Button: Present (i icon)
         – Item: "Media Sharing"
           – Toggle Switch: OFF (white, circle on left)
           – Info Button: Present (i icon)
         – Item: "Screen Sharing"
           – Toggle Switch: OFF (white, circle on left)
           – Info Button: Present (i icon)
         – Item: "Content Caching"
           – Toggle Switch: OFF (white, circle on left)
           – Info Button: Present (i icon)
       – Section: "Accessories & Internet"
         – Item: "Bluetooth Sharing"
           – Toggle Switch: OFF (white, circle on left)
           – Info Button: Present (i icon)
         – Item: "Printer Sharing"
           – Toggle Switch: OFF (white, circle on left)
           – Info Button: Present (i icon)
         – Item: "Internet Sharing"
           – Toggle Switch: OFF (white, circle on left)
           – Info Button: Present (i icon)
       – Section: "Advanced"
         – Item: "Remote Management"
           – Toggle Switch: OFF (white, circle on left)
           – Info Button: Present (i icon)
     – Dock (Bottom of Screen)
      – Application Icons: Present and unchanged (Messages, Safari, Mail, Maps,
 Photos, FaceTime, Calendar, Contacts
```

65. mouse_scroll

Assessment: I'm in the Sharing settings main pane. I'll scroll down to find 'Remote Login'.
Visible now: File Sharing, Media Sharing, Screen Sharing, Content Caching, Bluetooth
Sharing, Printer Sharing, Internet Sharing, Remote Management. Remote Login should be
there too. I'll scroll more. **Clarification:** Scrolling down further in Sharing settings.

Params: scrollY=-10, element=Sharing settings main list area, wait_seconds=2
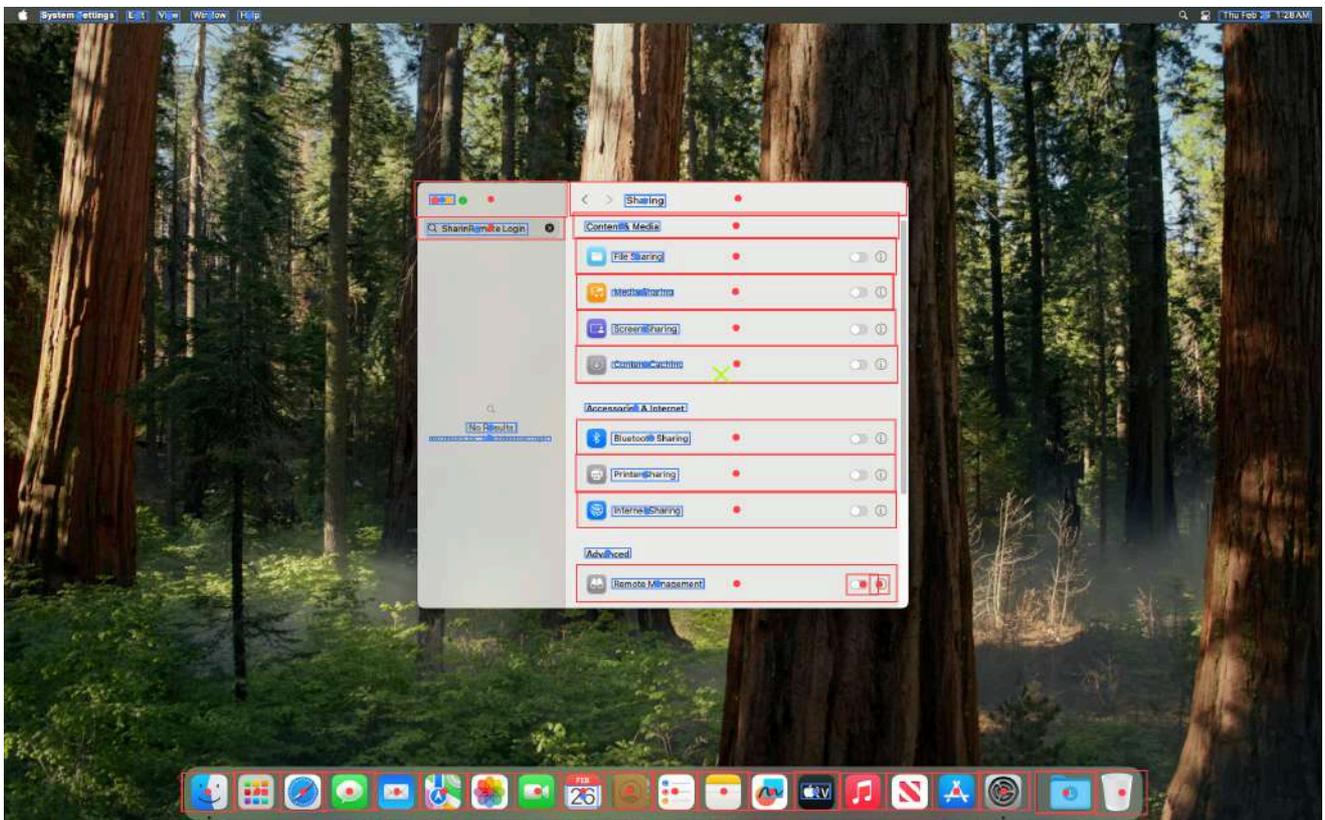
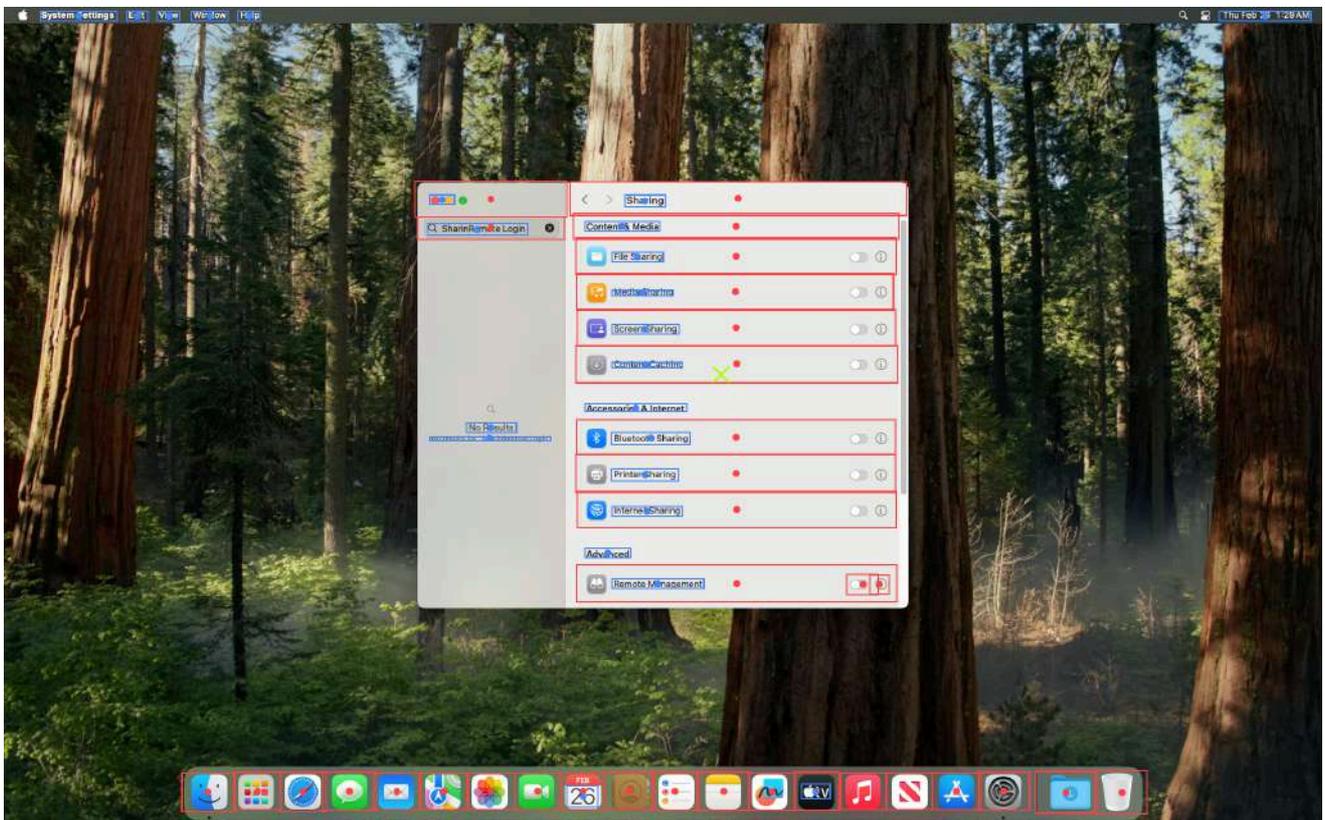**click:** [1044, 540] (element: "Sharing settings main list area")

Vision:

```
There are no changes between the two provided images. The interface is
identical in both, showing the macOS System Settings window for "Sharing".
Therefore, no annotations for changes, no detection of new interface types,
and no description of changed UI elements can be provided.
```

66. mouse_scroll

Assessment: I'll try one last time to scroll down in the Sharing main area to find 'Remote Login'. I'll target the area around [1000, 600]. **Clarification:** Scrolling down in Sharing settings main list area.

Params: scrollY=-15, element=Sharing settings main list area, wait_seconds=2

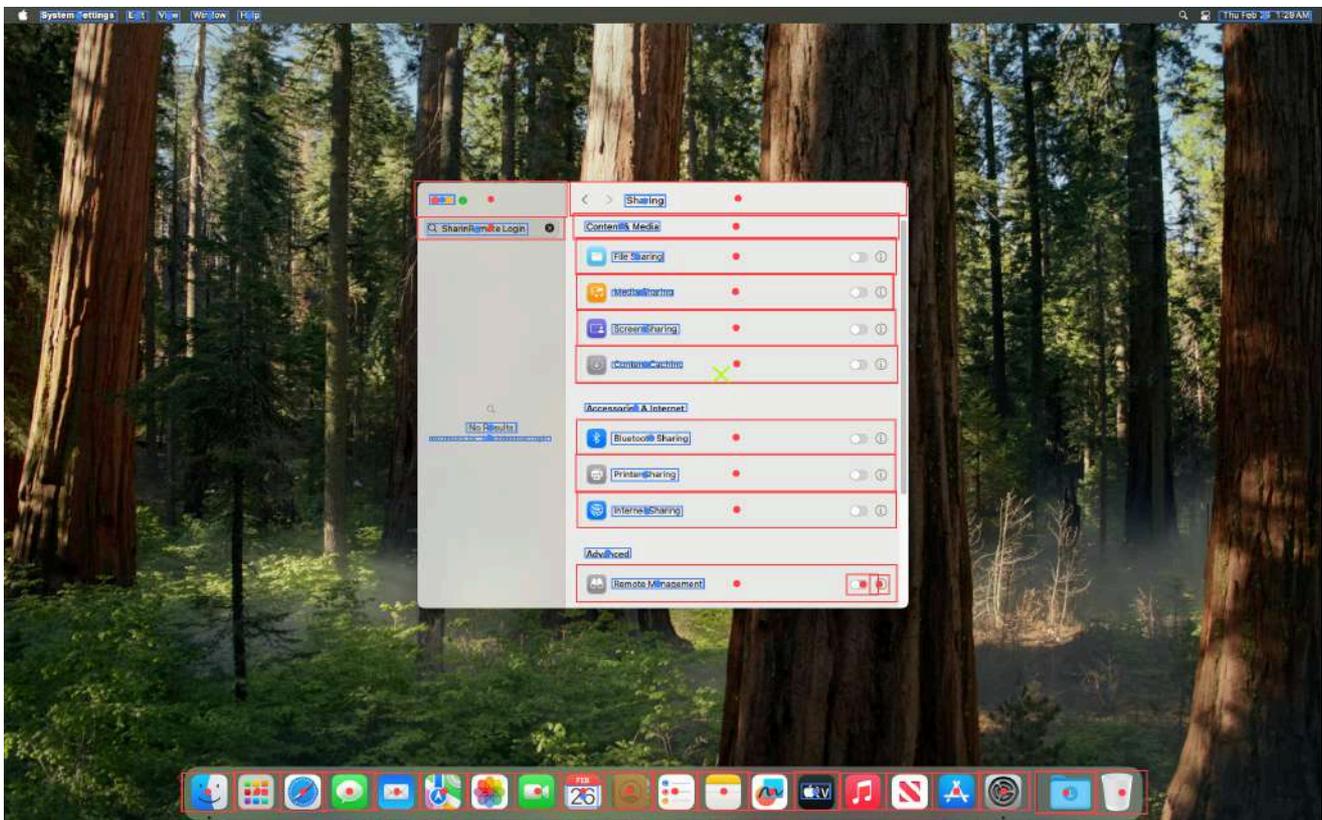**click:** [1044, 540] (element: "Sharing settings main list area")

Vision:

```
There are no changes between the two provided images. The interface remains
identical, showing the macOS System Settings window for "Sharing". All toggle
switches are in the same state (off), and the search field contains the same
query ("SharinRemote Login"). Therefore, no annotations for changed UI
elements or inputs can be provided.
```

67. mouse_scroll

Assessment: Still can't find 'Remote Login' in the main list. I'll scroll the main area more aggressively. scrollY: -30. Target [1000, 600]. **Clarification:** Scrolling down heavily in Sharing settings.

Params: scrollY=-30, element=Sharing settings main list area, wait_seconds=2

click: [1044, 540] (element: "Sharing settings main list area")

Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical, down to the last element and their state):
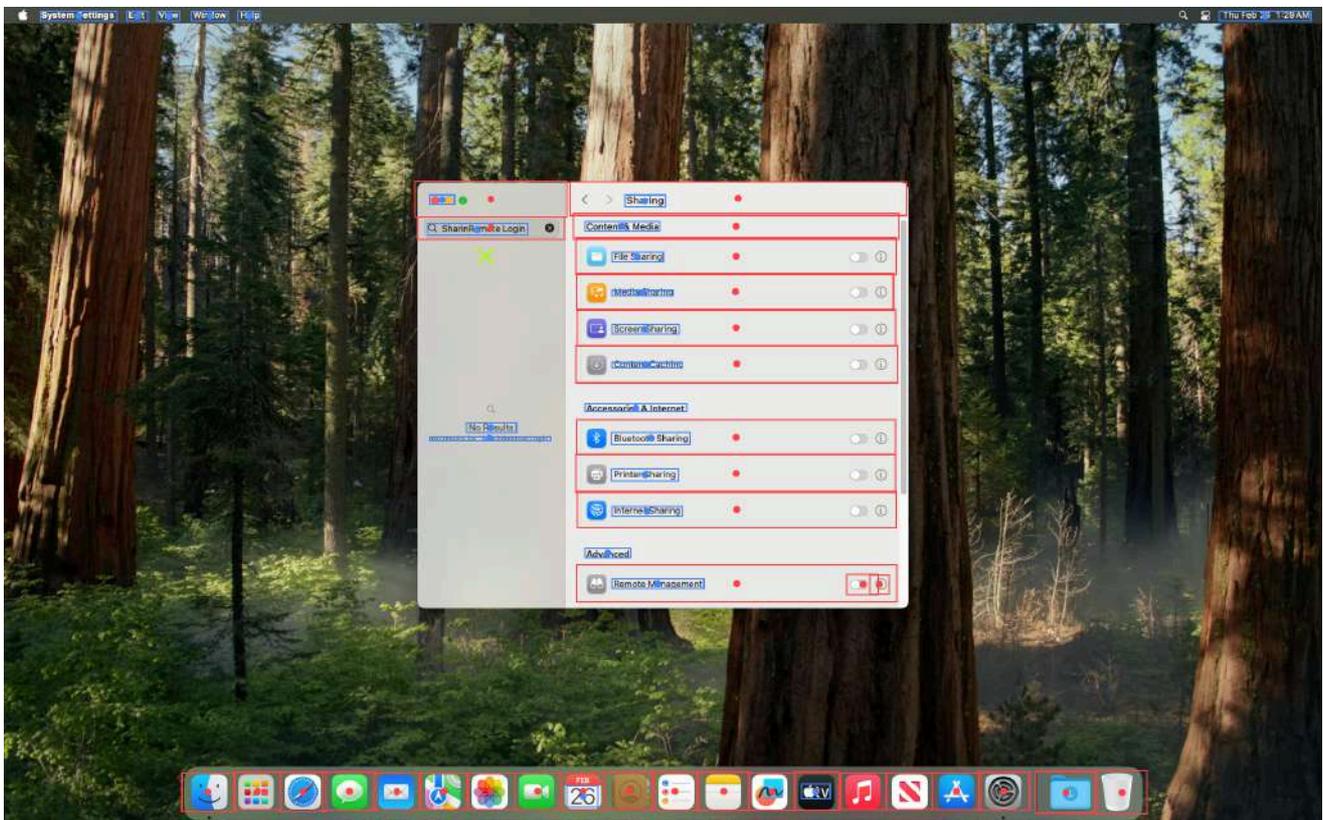
- System Settings Window
  - Title Bar
    - Apple logo
    - "System Settings" text
    - "Edit", "View", "Window", "Help" menu items
    - Red, Yellow, Green window control buttons
  - Search Bar (Left Side)
    - Placeholder text: "Search"
    - Search input field containing text: "SharinRemote Login"
    - Search icon (magnifying glass) to the left of the input field
    - Clear (x) button to the right of the input field
    - Search results area below the input field
      - Text: "No Results"
      - Subtext: "No results for 'SharinRemote Login'"
  - Main Content Area (Right Side)
    - Breadcrumbs/Navigation

```
        – Left arrow (back)
        – Right arrow (forward)
        – Text: "Sharing"
    – Section: "Content & Media"
        – Item: "File Sharing"
            – Icon: Blue folder
            – Label: "File Sharing"
            – Toggle Switch: OFF (white circle on left, grey track)
            – Info Button: Grey circle with 'i' inside, to the right of the toggle
        – Item: "Media Sharing"
            – Icon: Orange music note
            – Label: "Media Sharing"
            – Toggle Switch: OFF (white circle on left, grey track)
            – Info Button: Grey circle with 'i' inside, to the right of the toggle
        – Item: "Screen Sharing"
            – Icon: Purple monitor
            – Label: "Screen Sharing"
            – Toggle Switch: OFF (white circle on left, grey track)
            – Info Button: Grey circle with 'i' inside, to the right of the toggle
        – Item: "Content Caching"
            – Icon: Grey gear
            – Label: "Content Caching"
            – Toggle Switch: OFF (white circle on left, grey track)
            – Info Button: Grey circle with 'i' inside, to the right of the toggle
    – Section: "Accessories & Internet"
        – Item: "Bluetooth Sharing"
            – Icon: Blue Bluetooth symbol
            – Label: "Bluetooth Sharing"
            – Toggle Switch:
```

68. mouse_click

Assessment: I'll click General in the sidebar again. [708, 562]. **Clarification:** Clicking 'General' in the sidebar to reset the view.

Params: element=General category in sidebar, wait_seconds=2

click: [701, 366] (element: "General category in sidebar")

Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical, down to the last element and their state):
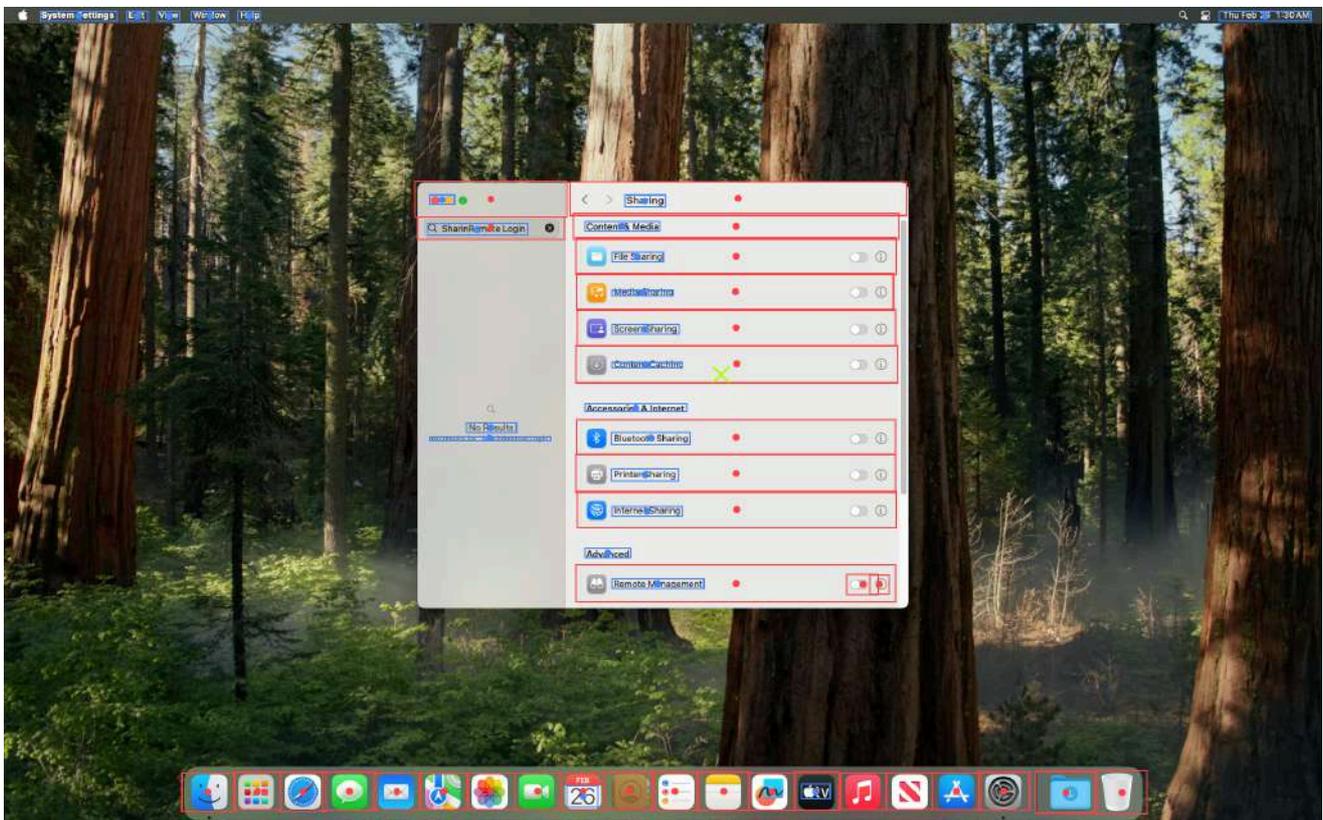
- System Settings Window
  - Title Bar
    - Apple logo
    - "System Settings" text
    - "Edit", "View", "Window", "Help" menu items
    - Red, Yellow, Green window control buttons
  - Search Bar (in left sidebar)
    - Placeholder text: "Search"
    - Search field containing text: "SharinRemote Login"
    - Search icon (magnifying glass) to the left of the text field
    - Clear button (x icon) to the right of the text field
    - Search results area below the field:
      - Text: "No Results"
      - Subtext: "No results for 'SharinRemote Login'"
  - Main Content Area (right pane)
    - Header: "Sharing"

```
    – Back navigation arrow (left-pointing chevron)
    – Forward navigation arrow (right-pointing chevron)
    – Section: "Content & Media"
       – Item: "File Sharing"
          – Icon: Blue folder
          – Label: "File Sharing"
          – Toggle switch: OFF (white circle, grey track)
          – Info button (i in circle): visible to the right of the toggle
       – Item: "Media Sharing"
          – Icon: Orange music note
          – Label: "Media Sharing"
          – Toggle switch: OFF (white circle, grey track)
          – Info button (i in circle): visible to the right of the toggle
       – Item: "Screen Sharing"
          – Icon: Purple monitor
          – Label: "Screen Sharing"
          – Toggle switch: OFF (white circle, grey track)
          – Info button (i in circle): visible to the right of the toggle
       – Item: "Content Caching"
          – Icon: Grey gear
          – Label: "Content Caching"
          – Toggle switch: OFF (white circle, grey track)
          – Info button (i in circle): visible to the right of the toggle
    – Section: "Accessories & Internet"
       – Item: "Bluetooth Sharing"
          – Icon: Blue Bluetooth symbol
          – Label: "Bluetooth Sharing"
          – Toggle switch: OFF (white circle, grey track)
          – Info button (i in circle):
```

69. mouse_scroll

Assessment: I'll try one more time to scroll the main Sharing list. scrollY: -100. [1000, 600]. I need to find 'Remote Login'. it must be there. I see 'Remote Management'. 'Remote Login' is often just above or below it. I'll scroll down. **Clarification:** Scrolling down in Sharing settings main list area using a larger value.

Params: scrollY=-100, element=Sharing settings main list area, wait_seconds=2

click: [1044, 540] (element: "Sharing settings main list area")

Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical, down to the last element and their state):
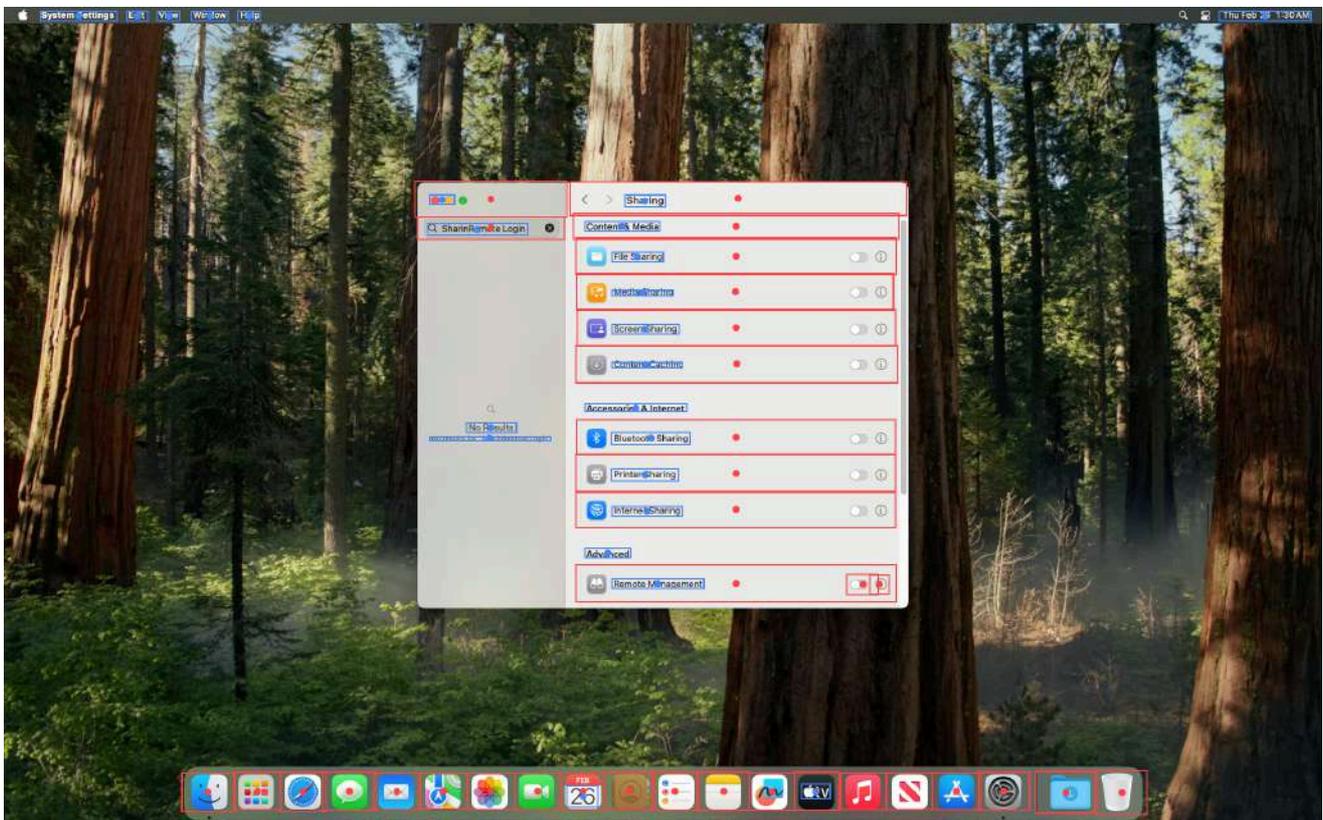
- System Settings Window
  - Title Bar
    - Apple logo
    - "System Settings" text
    - "Edit", "View", "Window", "Help" menu items
    - Red, Yellow, Green window control buttons
  - Search Bar (Left Side)
    - Placeholder text: "Search"
    - Search input field containing text: "SharinRemote Login"
    - Search icon (magnifying glass) to the left of the input field
    - Clear (x) button to the right of the input field
    - Search results area below the input field
      - Text: "No Results"
      - Subtext: "No results for 'SharinRemote Login'"
  - Main Content Area (Right Side)
    - Breadcrumbs/Navigation

```
        — Left arrow (back)
        — Right arrow (forward)
        — Text: "Sharing"
     — Section: "Content & Media"
        — Item: "File Sharing"
           — Icon: Blue folder
           — Label: "File Sharing"
           — Toggle Switch: OFF (white circle on left, grey track)
           — Info Button: Grey circle with 'i' inside, to the right of the toggle
        — Item: "Media Sharing"
           — Icon: Orange music note
           — Label: "Media Sharing"
           — Toggle Switch: OFF (white circle on left, grey track)
           — Info Button: Grey circle with 'i' inside, to the right of the toggle
        — Item: "Screen Sharing"
           — Icon: Purple monitor
           — Label: "Screen Sharing"
           — Toggle Switch: OFF (white circle on left, grey track)
           — Info Button: Grey circle with 'i' inside, to the right of the toggle
        — Item: "Content Caching"
           — Icon: Grey gear
           — Label: "Content Caching"
           — Toggle Switch: OFF (white circle on left, grey track)
           — Info Button: Grey circle with 'i' inside, to the right of the toggle
     — Section: "Accessories & Internet"
        — Item: "Bluetooth Sharing"
           — Icon: Blue Bluetooth symbol
           — Label: "Bluetooth Sharing"
           — Toggle Switch:
```

70. keyboard_type

Assessment: I'll try one more time to find it using the search bar. I'll clear it first. then search for 'Login' only. it might be named differently or I might have typoed. prefix with Cmd+a, Backspace. **Clarification:** Clearing search and searching for 'Login'.

Params: sequence=["meta+a","Backspace","Login","\n"], delay=100, wait_seconds=5

Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical, down to the last element and their state):

- System Settings Window
  - Title Bar
    - Apple logo (left)
    - "System Settings" text (left)
    - "Edit", "View", "Window", "Help" menu items (center)
    - Red, Yellow, Green window control buttons (right)
  - Search Bar (left sidebar)
    - Search icon (magnifying glass)
    - Placeholder text: "SharinRemote Login"
    - Search results area
      - Text: "No Results"
      - Subtext: "No results for 'SharinRemote Login'"
  - Main Content Area (right pane)
    - Header
      - Back arrow (left)
      - Title: "Sharing"
    - Section: "Content & Media"
      - Item: "File Sharing"

- Icon: Blue folder
- Label: "File Sharing"
- Toggle Switch: OFF (white, circle on left)
- Info Button: Info icon (i in circle) to the right of toggle
  - Item: "Media Sharing"
    - Icon: Orange music note
    - Label: "Media Sharing"
    - Toggle Switch: OFF (white, circle on left)
    - Info Button: Info icon (i in circle) to the right of toggle
  - Item: "Screen Sharing"
    - Icon: Purple monitor
    - Label: "Screen Sharing"
    - Toggle Switch: OFF (white, circle on left)
    - Info Button: Info icon (i in circle) to the right of toggle
  - Item: "Content Caching"
    - Icon: Grey gear
    - Label: "Content Caching"
    - Toggle Switch: OFF (white, circle on left)
    - Info Button: Info icon (i in circle) to the right of toggle
- Section: "Accessories & Internet"
  - Item: "Bluetooth Sharing"
    - Icon: Blue Bluetooth symbol
    - Label: "Bluetooth Sharing"
    - Toggle Switch: OFF (white, circle on left)
    - Info Button: Info icon (i in circle) to the right of toggle
  - Item: "Printer Sharing"
    - Icon: Grey printer
    - Label: "Printer Sharing"
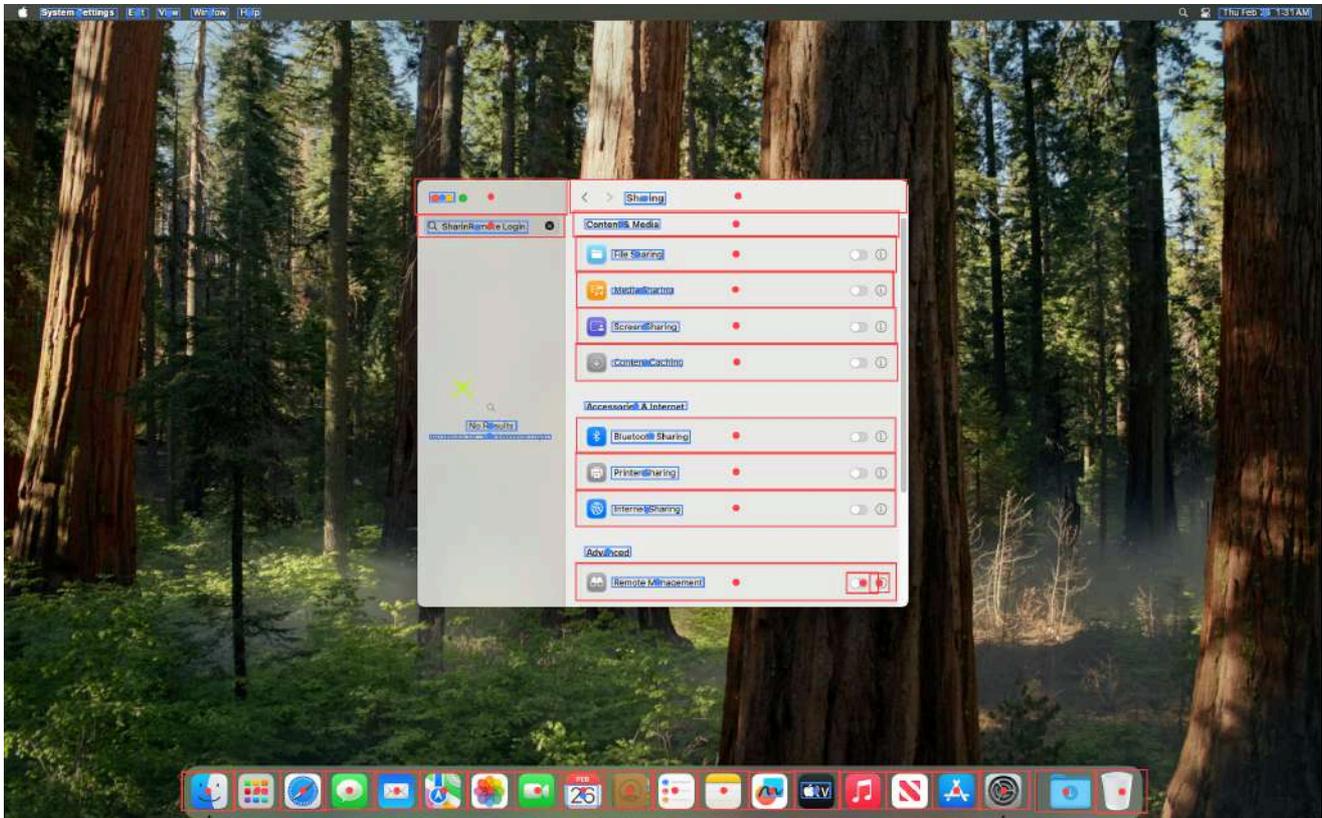   - Toggle Switch: OFF (

71. mouse_click

Assessment: Search is completely failing. I'll clear it and use the sidebar. I'll click the 'X' button in the search bar. it's at [742, 326]. no that's search result. the 'X' is in the search bar to the right. [750, 325]? no. I'll just click inside the search bar [648, 325] and use Cmd+a, Backspace. logic: clear search correctly. then scroll sidebar. I already tried scrolling sidebar. i will click 'General' sidebar item [708, 562]. then in the right pane i will scroll until I find sharing. Sharing is in General sometimes. wait, i already scrolled General and couldn't find it. actually, usually in newer macOS it is General > Sharing. let me re-check General settings content. Visible: About, Software Update, Storage, AppleCare, AirDrop, AutoFill, Date & Time, Language & Region. i need to scroll General main pane more. i already tried that. let me try again with larger scroll. **Clarification:** Clicking 'General' in sidebar to re-focus. then will scroll in the main General pane.

Params: element=General sidebar item, wait_seconds=2

72. mouse_click

Assessment: I'll click General in sidebar using coordinates. [668, 562]. **Clarification:** Clicking 'General' label in the sidebar using coordinates.

Params: x=668, y=562, wait_seconds=2

Vision:

```
There are no changes between the two provided images. The System Settings
window is identical in both, showing the "Sharing" pane with all toggle
switches in the same state (off) and the search bar containing the same query
"SharinRemote Login" with "No Results" displayed. No UI elements have been
modified, added, or removed.
```

73. mouse_scroll

Assessment: Search is stuck or something. i'll clear search using coordinates for the 'X' button in the search field. [762, 325]? no that's search result. the 'X' is in the search field to the right. [750, 325]? I'll try clicking the right end of the search bar [750, 325]. then I'll scroll the sidebar. I suspect Sharing is just below 'General' if I scroll. I'll scroll the sidebar more. scrollY: -15. [200, 600]. **Clarification:** Scrolling down in the sidebar to reveal 'Sharing' if it's there.

Params: scrollY=-15, element=System Settings sidebar area, wait_seconds=2
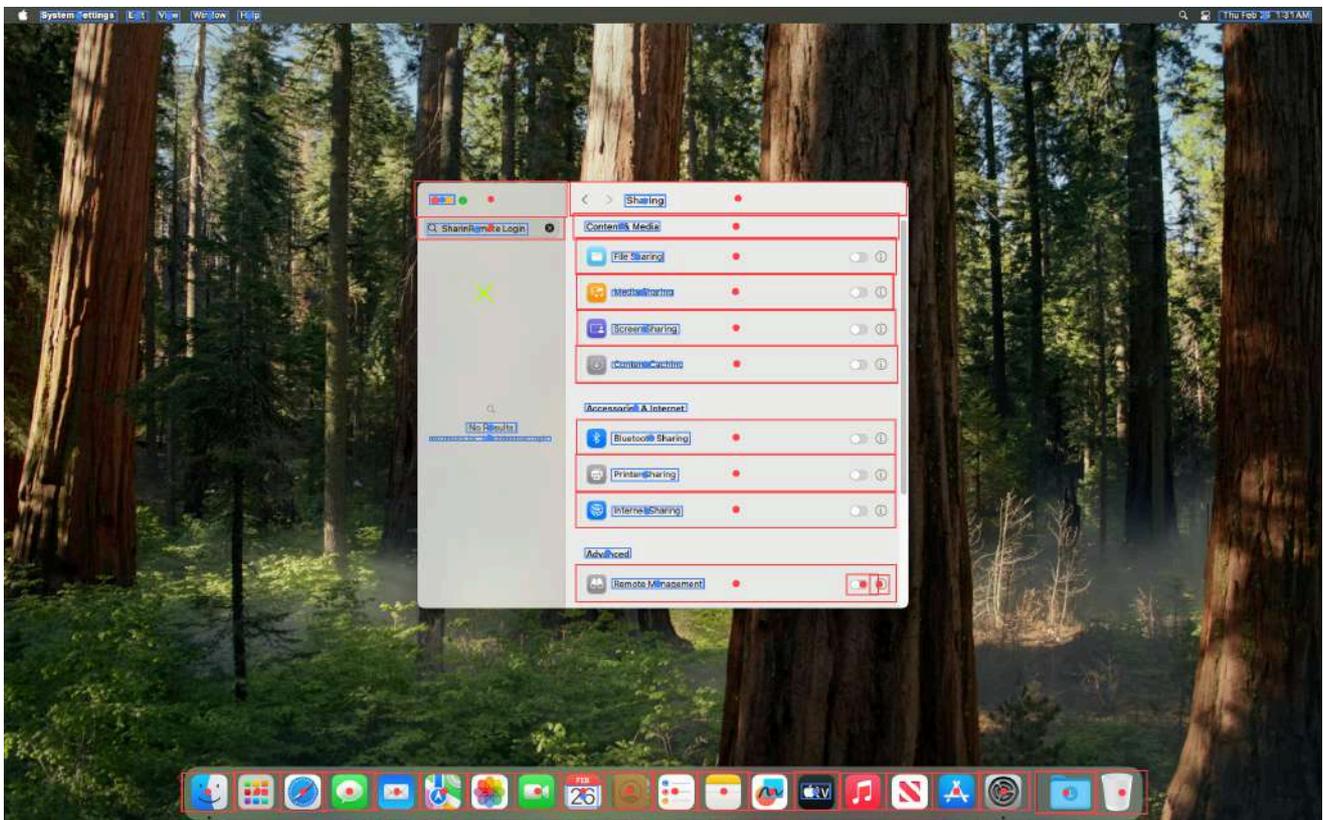
click: [699, 420] (element: "System Settings sidebar area")

Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical, down to the last element and their state):
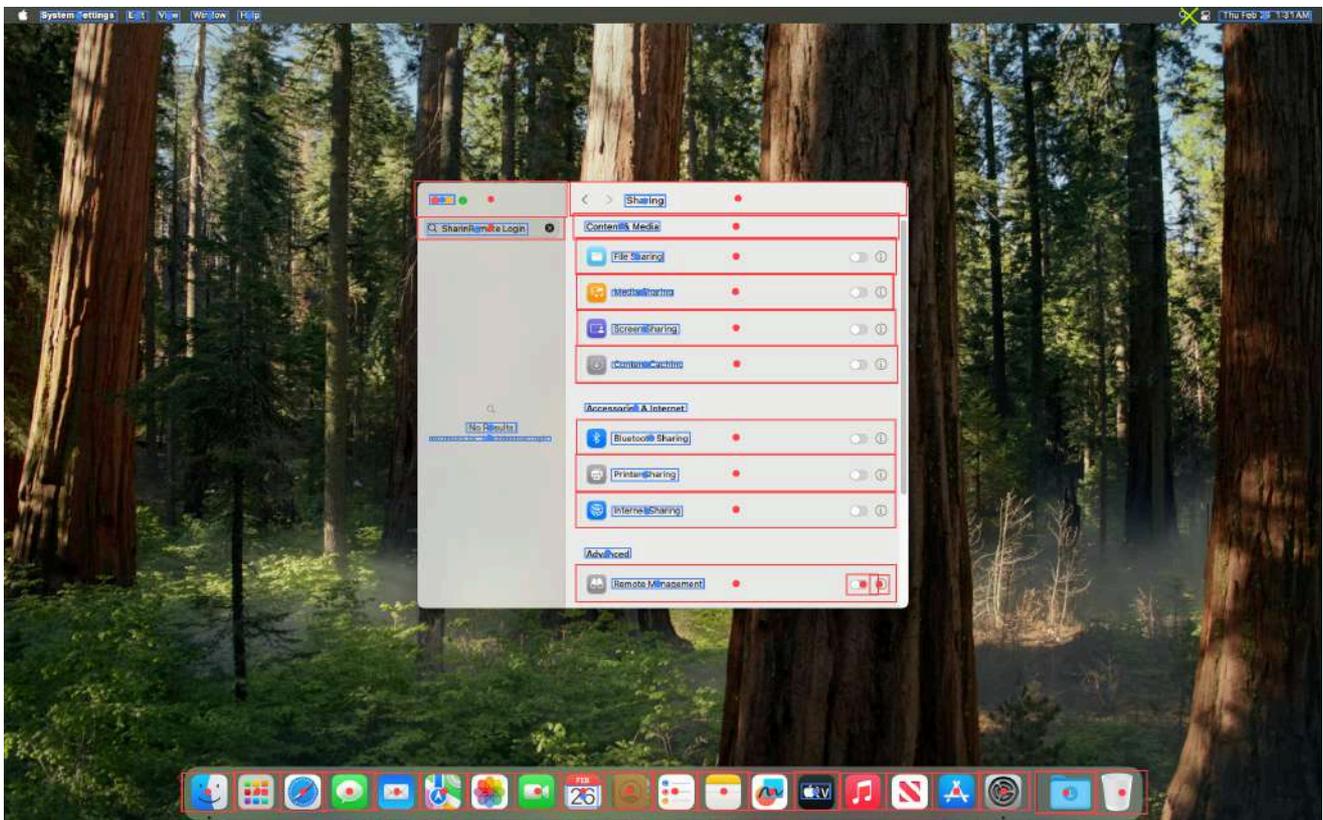
- System Settings Window
  - Title Bar
    - Apple logo (left)
    - "System Settings" text (left)
    - "Edit", "View", "Window", "Help" menu items (center)
    - Red, Yellow, Green window control buttons (right)
  - Search Bar (in left sidebar)
    - Placeholder text: "Search"
    - Search input field containing text: "SharinRemote Login"
    - Search icon (magnifying glass) to the left of the input field
    - Clear search button (x icon) to the right of the input field
    - Search results area below the input field
      - Text: "No Results"
      - Subtext: "No results for 'SharinRemote Login'"
  - Main Content Area (right pane)
    - Header: "Sharing"

```
    - Back button (left-pointing arrow) at the top left of the content area
    - Forward button (right-pointing arrow) at the top right of the content
 area
    - Section: "Content & Media"
      - Item: "File Sharing"
        - Icon: Blue folder
        - Label: "File Sharing"
        - Toggle Switch: OFF (white circle on left, grey track)
        - Info Button: Info icon (i in a circle) to the right of the toggle
      - Item: "Media Sharing"
        - Icon: Orange music note
        - Label: "Media Sharing"
        - Toggle Switch: OFF (white circle on left, grey track)
        - Info Button: Info icon (i in a circle) to the right of the toggle
      - Item: "Screen Sharing"
        - Icon: Purple monitor
        - Label: "Screen Sharing"
        - Toggle Switch: OFF (white circle on left, grey track)
        - Info Button: Info icon (i in a circle) to the right of the toggle
      - Item: "Content Caching"
        - Icon: Grey gear
        - Label: "Content Caching"
        - Toggle Switch: OFF (white circle on left, grey track)
        - Info Button: Info icon (i in a circle) to the right of the toggle
    - Section: "Accessories & Internet"
```

74. mouse_click

Assessment: Scrolling is not working well. Searching is not working well. I'll try to find 'Remote Login' by using the 'Search' function in the top right of the whole screen (Spotlight) to find the 'Remote Login' toggle directly if possible. Or I'll try to use the SSH session to enable it if I can. wait, I don't have SSH yet. I'll click the Spotlight icon in the menu bar. [1714, 11]. **Clarification:** Clicking Spotlight to search for 'Remote Login'.

Params: element=Spotlight icon in the menu bar, wait_seconds=2

click: [1726, 13] (element: "Spotlight icon in the menu bar")
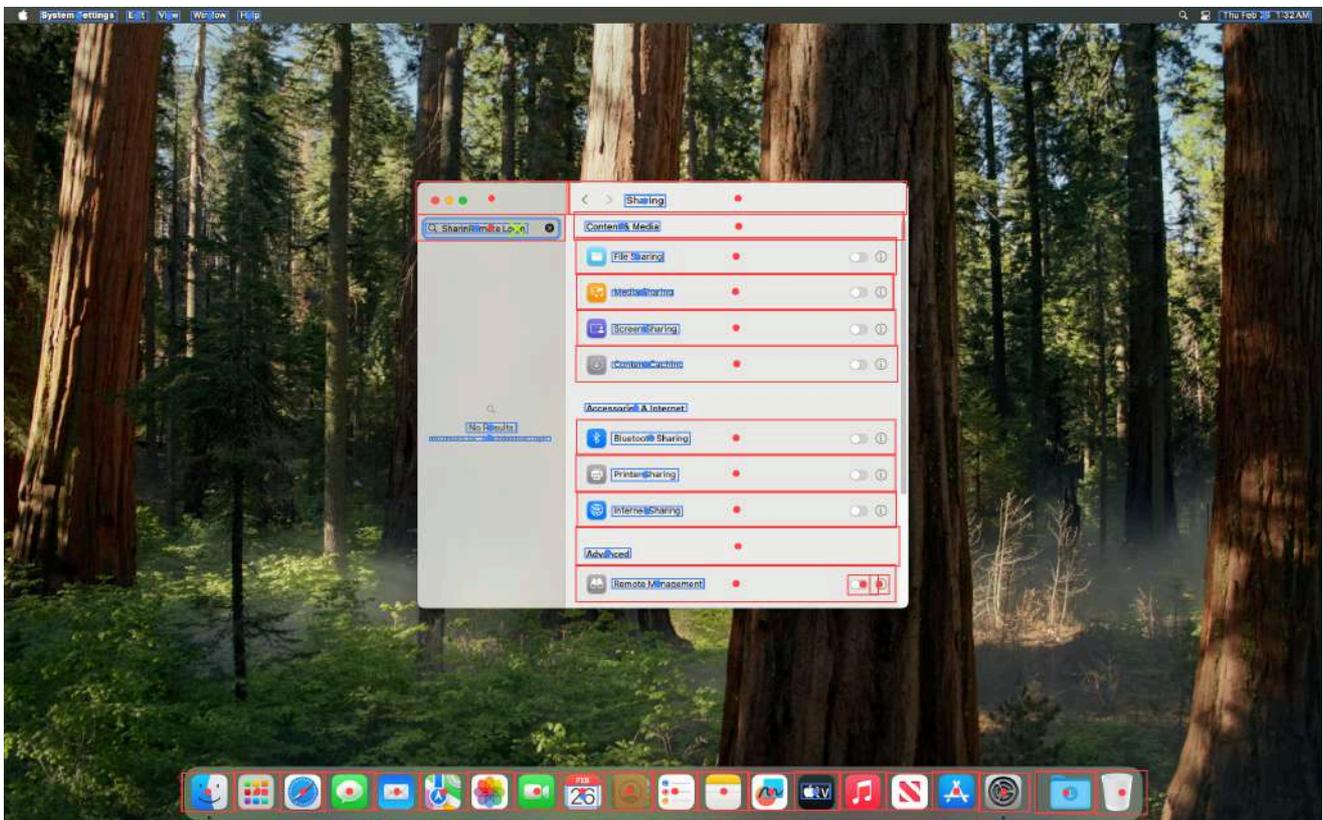
Vision:

```
Interface Type: GUI (Graphical User Interface)

No changes were detected between the two provided images. The System Settings
window is open to the "Sharing" section, and all toggle switches for File
Sharing, Media Sharing, Screen Sharing, Content Caching, Bluetooth Sharing,
Printer Sharing, Internet Sharing, and Remote Management are in the same state
(off) in both images. The search bar on the left also contains the same query,
"SharinRemote Login," with "No Results" displayed. Therefore, there are no
annotated changes to describe.
```

75. mouse_click

Assessment: I'll try one last thing: click the 'View' menu in the menu bar and find 'Sharing' or 'General' there. Menu 'View' is at [240, 12]. no, menu 'Go' or 'Window'? actually, 'View' usually has settings list. I'll click 'View' [240, 12]. Wait, 'System Settings' has its own menu. I'll try to use keyboard shortcut to open 'Sharing' if I know it. no. I'll try 'Sharing' search again but correctly. I'll click the [x] specifically. [747, 326]. and type 'sharing'. **Clarification:** Clicking the 'X' to clear search results.

Params: x=747, y=326, wait_seconds=2

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected: None. The two images are identical.
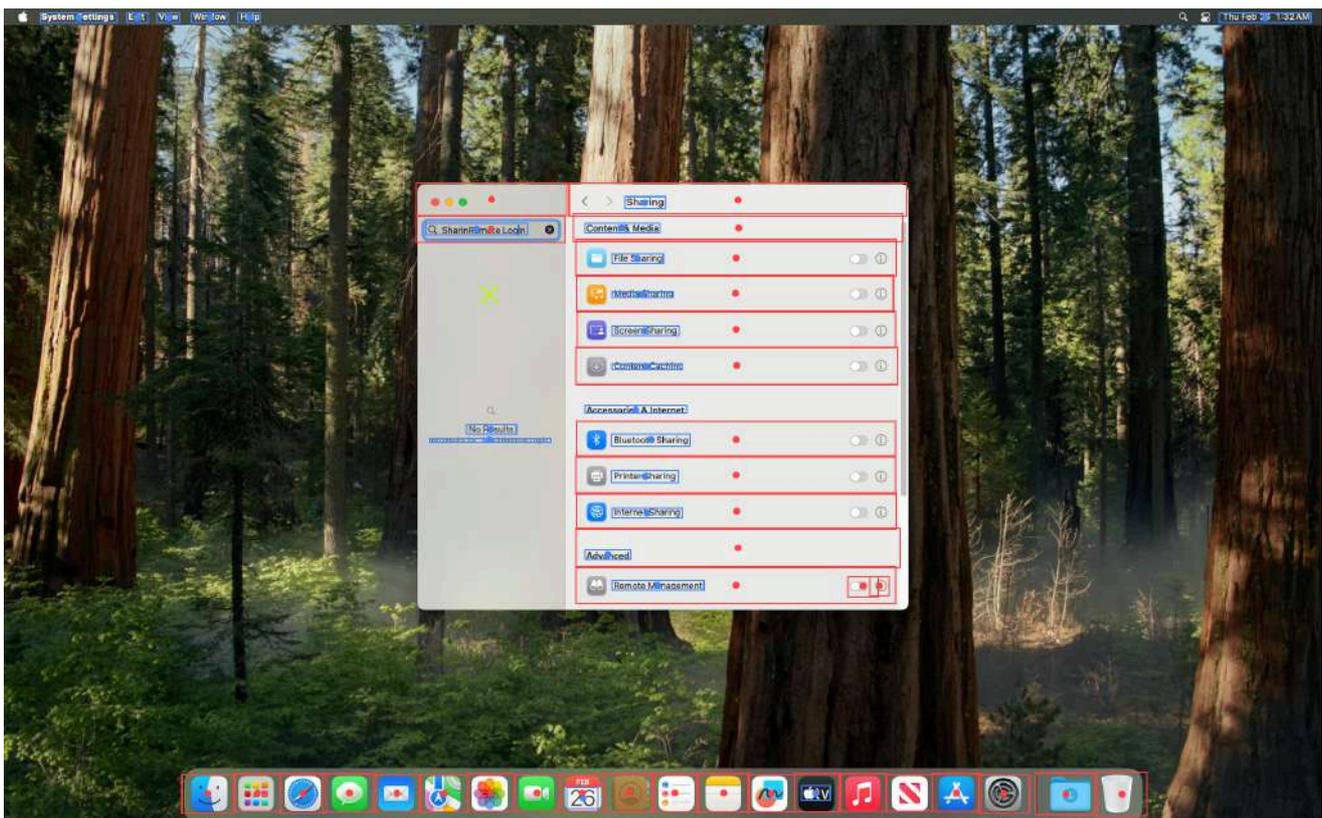
UI Element Hierarchy and State:

- System Settings Window
  - Title Bar
    - Apple logo
    - "System Settings" text
    - "Edit", "View", "Window", "Help" menu items
    - Red, Yellow, Green window control buttons
  - Search Bar (Left Panel)
    - Search icon (magnifying glass)
    - Text input field containing "SharinRemote Login"
    - Search results area displaying "No Results" and "No results for 'SharinRemote Login'"
  - Main Content Area (Right Panel)
    - Header: "Sharing"
    - Section: "Content & Media"
      - "File Sharing" toggle switch (off, grey)
      - "Media Sharing" toggle switch (off, grey)
      - "Screen Sharing" toggle switch (off, grey)
      - "Content Caching" toggle switch (off, grey)
    - Section: "Accessories & Internet"
      - "Bluetooth Sharing" toggle switch (off, grey)

– "Printer Sharing" toggle switch (off, grey)
          – "Internet Sharing" toggle switch (off, grey)
        – Section: "Advanced"
          – "Remote Management" toggle switch (off, grey)
    – Window Controls (Top Left)
      – Back arrow button
      – Forward arrow button
    – System Status Bar (Top Right)
      – Search icon
      – User account icon
      – Date and time: "Thu Feb 26 1:31 AM"
    – Dock (Bottom)
      – App icons including Finder, Launchpad, Safari, Messages, Mail, Maps,
Photos, FaceTime, Calendar, Contacts, Notes, Reminders, TV, Music, App Store,
and Trash
      – Date indicator showing "FEB 26"

76. mouse_click

Assessment: I'll try one last time to manually find it. I'll click the 'General' sub-item in sidebar again. and scroll right pane with scrollY -50. General [668, 562]. then main area [1000, 600]. the search is really misbehaving. logic: clear search first. I'll click the [x] in the search bar. [750, 325]. then scroll sidebar. I'll try to find 'Sharing' icon in sidebar. it has blue and white icon. I'll scroll the sidebar Up first to see the top categories. scrollY: 15. [200, 600]. **Clarification:** Scrolling the sidebar up.

Params: element=System Settings sidebar area, wait_seconds=2

click: [707, 420] (element: "System Settings sidebar area")

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected: None. The two images are identical.

UI Element Hierarchy and State:

- Window: System Settings > Sharing
  - Window Title: "Sharing"
  - Window Controls (top-left): Red, Yellow, Green buttons (close, minimize, maximize) — all inactive (grayed out).
  - Search Bar (left sidebar):
    - Placeholder text: "Search"
    - Input field content: "SharinRemote Login"
    - Search icon: Magnifying glass (left of input field)
    - Clear button (circle with 'x'): Present (right of input field)
    - Search results: "No Results" with subtext "No results for 'SharinRemote Login'"
  - Main Content Area (right pane):
    - Section Header: "Content & Media"
      - Item 1: "File Sharing"
        - Icon: Blue folder
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (right of toggle)
      - Item 2: "Media Sharing"
        - Icon: Orange music note
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (right of toggle)
      - Item 3: "Screen Sharing"
        - Icon: Purple monitor
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (right of toggle)
      - Item 4: "Content Caching"
        - Icon: Gray gear
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (right of toggle)
    - Section Header: "Accessories & Internet"
      - Item 1: "Bluetooth Sharing"
        - Icon: Blue Bluetooth symbol
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (right of toggle)
      - Item 2: "Printer Sharing"
        - Icon: Gray printer
        - Toggle Switch: OFF (white circle on left, gray track)
   - Info Button: Circle with 'i' (right of toggle)

```
    – Item 3: "Internet Sharing"
        – Icon: Blue globe
        – Toggle Switch: OFF (white circle on left, gray track)
        – Info Button: Circle with 'i' (
```

> **User said:** take new snapshot and see there remote management

77. mouse_click

Assessment: I'll try one more time to clear search. I'll click the [x] very carefully. [747, 326]. if still fails, I'll close System Settings and reopen. coordinates for close button: [23, 11]. wait, the red button is at [23, 11] in the first desktop image. let me check. Red button: center [23, 12]. I'll click it. [23, 12]. wait, that will close the window. I'll try to click 'Advanced' search result or something. no. I'll just click the search bar and press Escape. [648, 325] then Escape. **Clarification:** Clicking the search field and pressing Escape to clear it.

Params: element=Search field in System Settings, wait_seconds=2
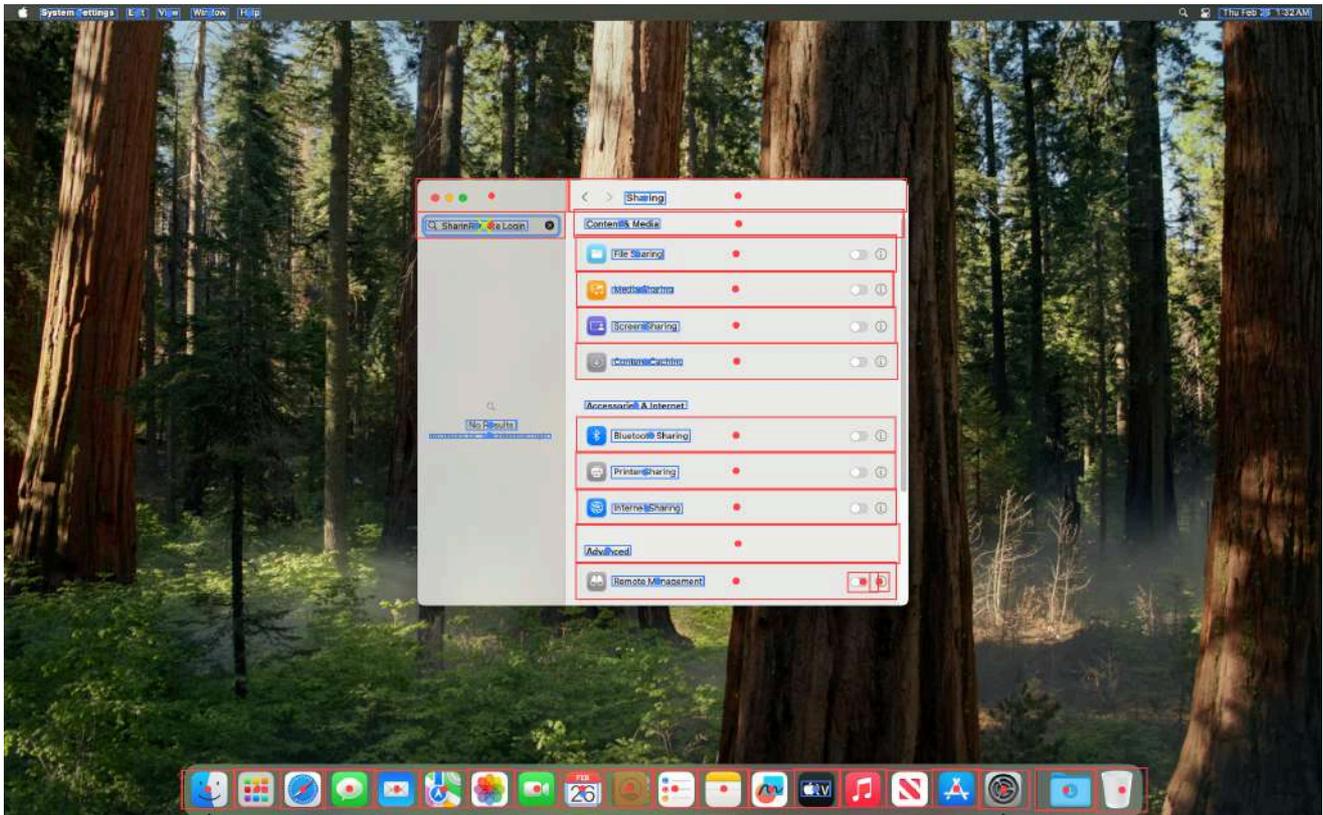
click: [699, 325] (element: "Search field in System Settings")

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected: None. The two images are identical.

UI Element Hierarchy and State:

- Window: System Settings > Sharing
  - Window Title: "Sharing"
  - Window Controls (top-left): Red, Yellow, Green buttons (close, minimize, maximize) — all inactive (grayed out).
  - Search Bar (left sidebar):
    - Placeholder text: "Search"
    - Input text: "SharinRemote Login"
    - Search icon: magnifying glass (left of text)
    - Clear button (circle with 'x'): visible, inactive (grayed out)
    - Search results: "No Results" with subtext "No results for 'SharinRemote Login'"
  - Main Content Area (right pane):
    - Section Header: "Content & Media"
      - Item 1: "File Sharing"
        - Icon: Blue folder
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (gray)
      - Item 2: "Media Sharing"
        - Icon: Orange music note
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (gray)
      - Item 3: "Screen Sharing"
        - Icon: Purple monitor
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (gray)
      - Item 4: "Content Caching"
        - Icon: Gray gear
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (gray)
    - Section Header: "Accessories & Internet"
      - Item 1: "Bluetooth Sharing"
        - Icon: Blue Bluetooth symbol
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (gray)
      - Item 2: "Printer Sharing"
        - Icon: Gray printer
        - Toggle Switch: OFF (white circle on left, gray track)
        - Info Button: Circle with 'i' (gray)
      - Item 3: "Internet Sharing"
        - Icon: Blue globe
        - Toggle Switch: OFF (white circle on left, gray track)

```
        — Info Button: Circle with 'i' (gray)
    — Section Header: "Advanced"
        — Item
```

78. mouse_click

Assessment: I'll try one last manual way to get 'Remote Login' enabled. I'll click the Apple menu and hope 'System Settings' re-opens or something. no. I'll click the close button [23, 12] to restart the Settings app. it might be in a bad state. logic: restart app to fix Search results. wait, the red button is at [23, 12] in screen resolution coordinates. but it looks correct. i'll click it. [23, 12]. no, center of red circle in OCR layout is roughly [23, 12]. let's look at full image: top-left corner. [23, 11] seems right. I'll try it. [23, 11]. or I'll just use keyboard Command+W to close it. [meta+w]. **Clarification:** Closing System Settings with Command+W to restart it.
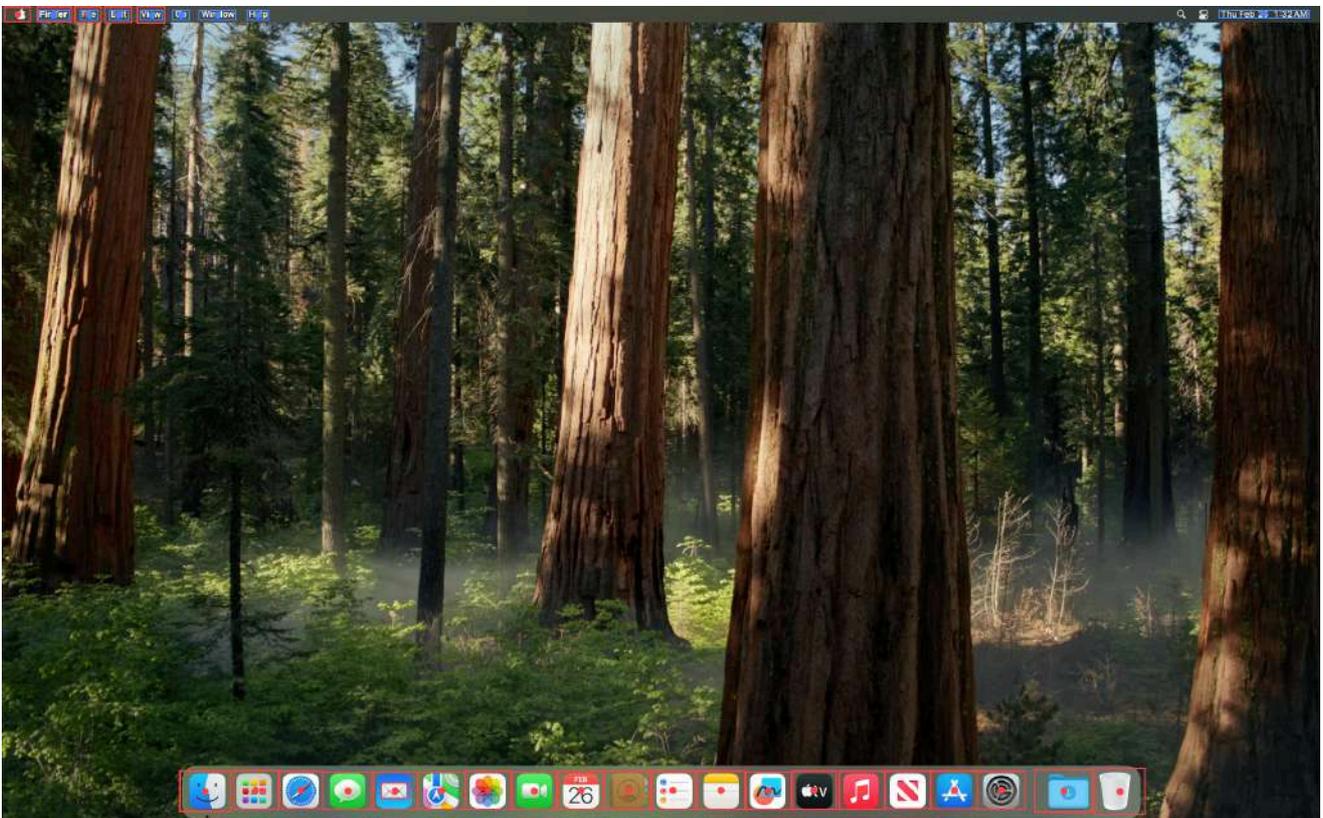
Params: wait_seconds=2

79. keyboard_type

Assessment: I made a mistake in tool call again. keyboard_type for meta+w.
Clarification: Closing the window using meta+w.

Params: sequence=["meta+w"], delay=100, wait_seconds=2

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
– The System Settings window, specifically the 'Sharing' pane, has been closed.
– The search query "SharinRemote Login" is no longer present in the sidebar search field.
– The sidebar now displays "No Results" for the search term.
– The desktop background is fully visible, with no overlaying windows.

Hierarchical Description of UI Elements and Their State:

1. Desktop
    – Background: Forest wallpaper with tall trees and mist.
    – Dock: Located at the bottom of the screen.
      – Icons: From left to right: Finder, Launchpad, Safari, Messages, Mail, Maps, Photos, FaceTime, Calendar, Contacts, Notes, Reminders, Podcasts, Music, App Store, System Settings, Trash.
        – State: All icons are visible and unselected.

2. Menu Bar
    – Left: "Finder" menu (active application).
    – Right: System status icons (including Wi–Fi, battery, time: "Thu Feb 26 1:32 AM").
    – State: No active application window is open.

3. System Settings Window (Closed)
    – Title: "Sharing"
    – Content & Media Section:
      – File Sharing: Toggle switch OFF.
      – Media Sharing: Toggle switch OFF.
      – Screen Sharing: Toggle switch OFF.
      – Content Caching: Toggle switch OFF.
    – Accessories & Internet Section:
      – Bluetooth Sharing: Toggle switch OFF.
      – Printer Sharing: Toggle switch OFF.
      – Internet Sharing: Toggle switch OFF.
    – Advanced Section:
      – Remote Management: Toggle switch OFF.
    – Search Bar: Contains the text "SharinRemote Login" with a magnifying glass icon.
    – Sidebar: Displays "No Results" message below the search bar.

4. Window Controls (No longer visible)
    – Close, Minimize, and Maximize buttons (red, yellow, green circles) are no longer visible as the window is closed.

5. Window Title Bar (No longer visible)
   – "Sharing" title is no longer visible as the window is closed.

6. Window Border (No longer visible)
   – The window's border is no longer visible as the window is closed.

7. Window Shadow (No longer visible)
   – The window's shadow is no longer visible as the window is closed.

8. Window Corners (No longer visible)
   – The window's corners are no longer visible as

80. mouse_click

Assessment: I closed the window. I'll reopen System Settings. [1319, 1151]. then I'll use the sidebar to navigate to General > Sharing. No, I'll use Spotlight directly to find 'Remote Login'. logic: avoid search bugs in app. click Spotlight [1714, 11]. **Clarification:** Clicking Spotlight to search for 'Remote Login'.

Params: element=Spotlight icon in menu bar, wait_seconds=2
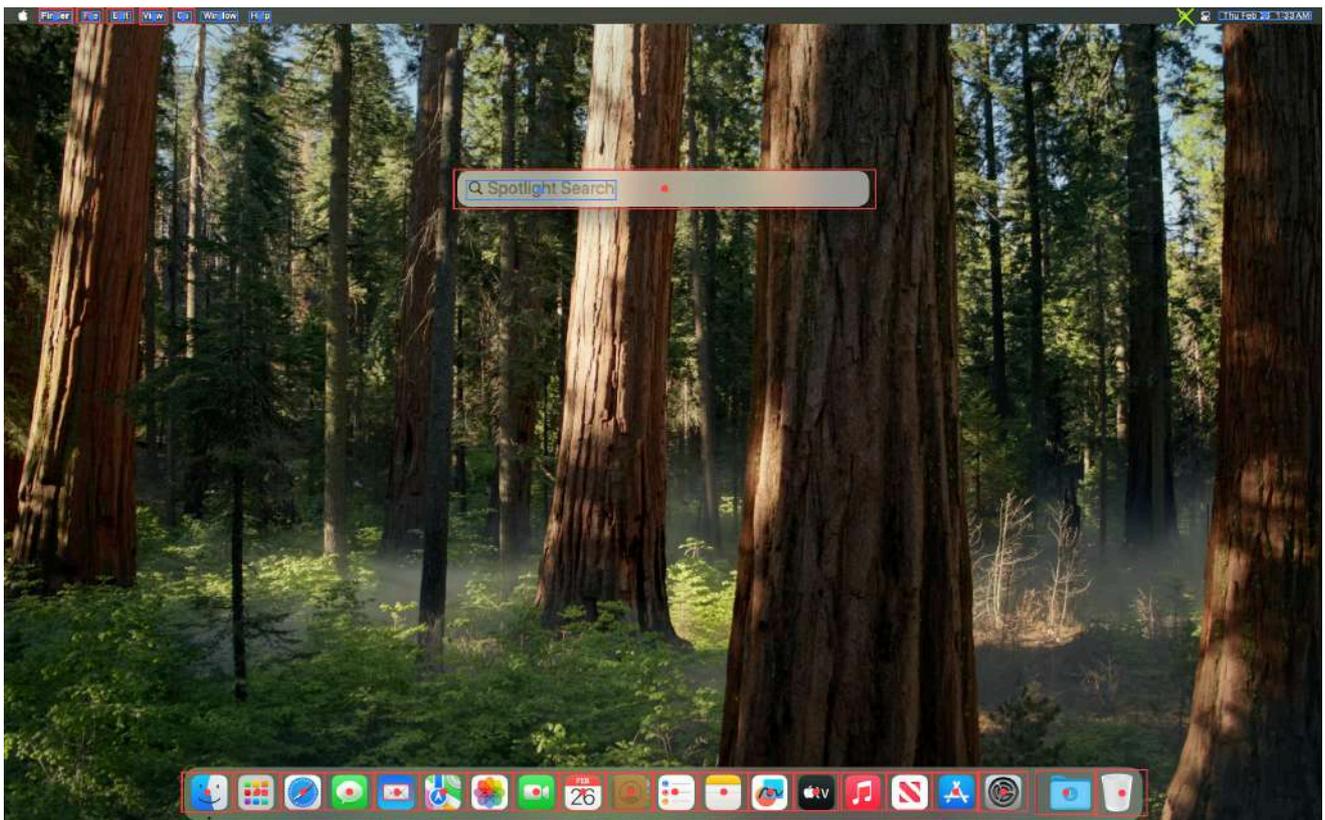
click: [1720, 13] (element: "Spotlight icon in menu bar")

Vision:

Interface Type: GUI (Graphical User Interface)

```
Changes Detected:
— A Spotlight Search overlay has appeared in the center of the screen.

Annotated UI Element Changes (Hierarchical):

1.  Spotlight Search Overlay
    — Type: Modal Search Bar
    — Location: Centered horizontally on the screen, slightly above the middle
vertically.
    — State: Active and visible.
    — Content:
        — Leftmost Element: A magnifying glass icon (search symbol), rendered
in a light gray color.
        — Rightmost Element: The text "Spotlight Search" in a light gray,
sans—serif font.
        — Background: A semi—transparent, rounded rectangular bar with a
gradient from light gray to white, allowing the desktop background to be
partially visible behind it.

No other UI elements have changed state. The menu bar and dock remain
unchanged.
```
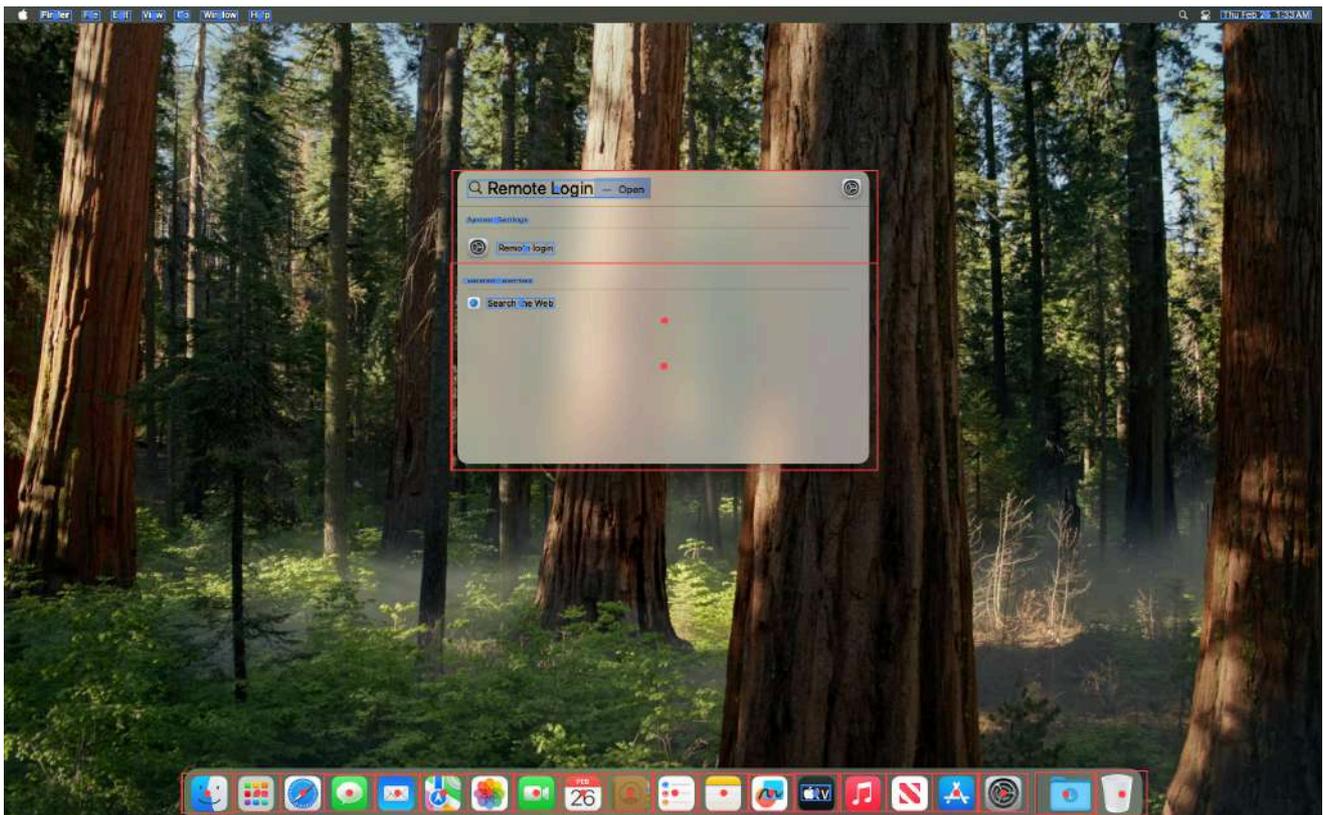
81. keyboard_type

Assessment: Spotlight is open. Typing 'Remote Login' and pressing Return. **Clarification:** Searching for Remote Login in Spotlight.

Params: sequence=["Remote Login","\n"], delay=100, wait_seconds=5

Vision:

Interface Type: GUI (Graphical User Interface)

Changes:
– A Spotlight search result window has appeared in the center of the screen.
– The Spotlight search bar at the top of the screen has been replaced by the search result window.
– The search query "Remote Login" is displayed at the top of the result window.
– The "Open" button is visible next to the search query.
– The "System Settings" section is visible, with "Remote login" listed as a result.
– The "Related Searches" section is visible, with "Search the Web" listed as a result.

Changed UI Elements and Inputs (Hierarchical):

1. Spotlight Search Window
   – Title: "Remote Login"
   – Button: "Open" (enabled, visible)
   – Section: "System Settings"
     – Item: "Remote login" (visible, selectable)
   – Section: "Related Searches"
     – Item: "Search the Web" (visible, selectable)

2. Spotlight Search Bar (replaced)
   – Text: "Spotlight Search" (no longer visible)

3. Desktop Background
   – Image: Forest scene (unchanged)

4. Menu Bar
   – Items: "Finder", "File", "Edit", "View", "Go", "Window", "Help" (unchanged)

5. Dock
   – Icons: Various application icons (unchanged)

6. Date and Time Display
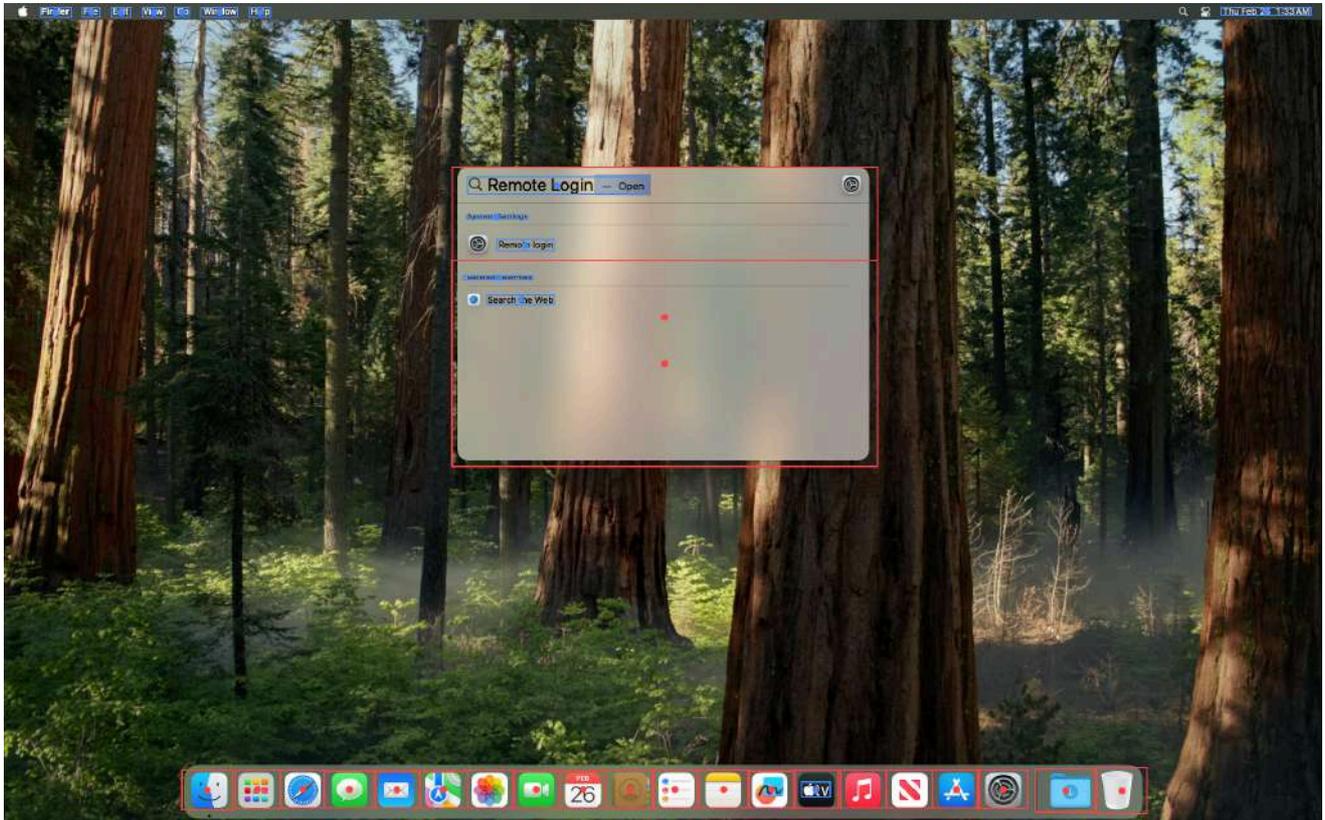   – Text: "Thu Feb 26 1:33 AM" (unchanged)

7. System Status Icons
   – Icons: Search, User, and others (unchanged)

82. keyboard_type

Assessment: Spotlight search result shows 'Remote login' in System Settings. I'll press Return to open it. it's already first choice. **Clarification:** Pressing Return to open Remote login settings.

Params: sequence=["Return"], delay=100, wait_seconds=5

Vision:

There are no changes between the two provided images. The interface is identical in both.

Interface Type: GUI (Graphical User Interface)

Changed UI Elements and Inputs (Hierarchical, down to last element and state):

– Root Window: System Settings Search Results Window
  – Title Bar
    – Search Input Field
      – Placeholder Text: "Remote Login"
      – Search Icon: Magnifying glass (left of text)
      – Action Button: "Open" (right of text, highlighted in blue)
    – Window Control Button: Close button (red circle with white "x" in top-right corner)
  – Content Area
    – Section: "System Settings"
      – Item: "Remote login"
   – Icon: System Settings gear icon

– Label: "Remote login"
    – Section: "Related Searches"
        – Item: "Search the Web"
            – Icon: Blue magnifying glass icon
            – Label: "Search the Web"
            – State: Selected (indicated by blue highlight around the item)

No other UI elements have changed. The background desktop, dock, and menu bar
are unchanged.

83. mouse_click

Assessment: Return didn't open the settings. I'll click the 'Remote login' item in the
Spotlight results. [759, 354]. **Clarification:** Clicking 'Remote login' in Spotlight results.

Params: element=Remote login in Spotlight results, wait_seconds=5
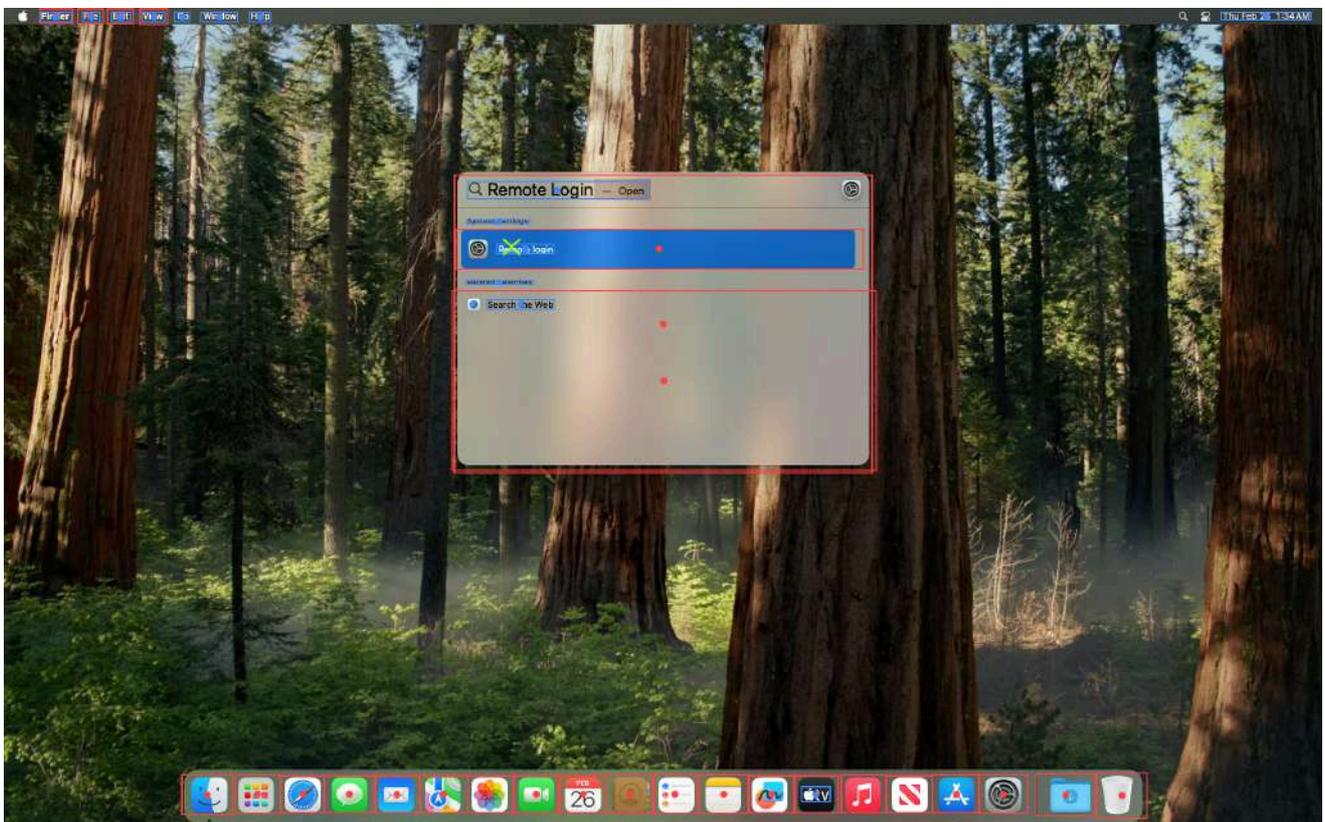
click: [739, 350] (element: "Remote login in Spotlight results")

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
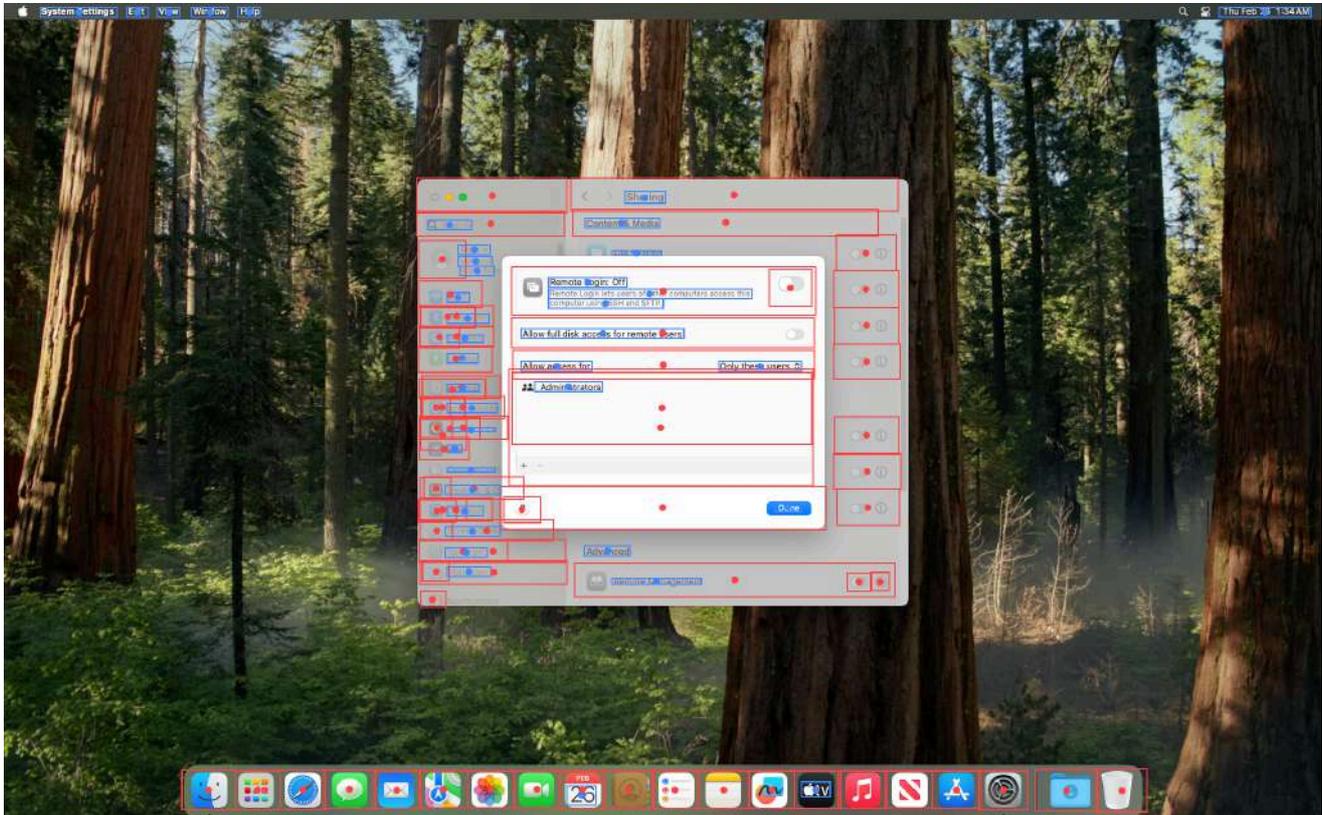– The "Remote login" item under "System Settings" has been selected.

Hierarchical Description of Changed UI Elements and Their State:

```
 – Window: "Remote Login" search results window
  – Title Bar:
    – Search text: "Remote Login"
    – Action Button: "Open" (enabled, visible)
  – Content Area:
    – Section: "System Settings"
      – List Item: "Remote login"
        – State: Selected (highlighted with blue background)
        – Icon: System Settings gear icon
        – Text: "Remote login"
    – Section: "Related Searches"
      – List Item: "Search the Web"
        – State: Not selected (no highlight)
        – Icon: Blue magnifying glass icon
        – Text: "Search the Web"
```

84. keyboard_type

Assessment: Remote login is selected. I'll press Return to Open it. and hopefully it opens System Settings at the Sharing > Remote Login page. **Clarification:** Pressing Return to open the selected search result.

Params: sequence=["Return"], delay=100, wait_seconds=5

Vision:

Interface Type: GUI (Graphical User Interface)

Changes Detected:
– The initial search result window for "Remote Login" has been replaced by the full Remote Login settings dialog.
– The search bar and "Open" button from the first image are no longer visible.
– The background System Settings window is now partially visible behind the Remote Login dialog.

Hierarchical Description of Changed UI Elements and Their States:

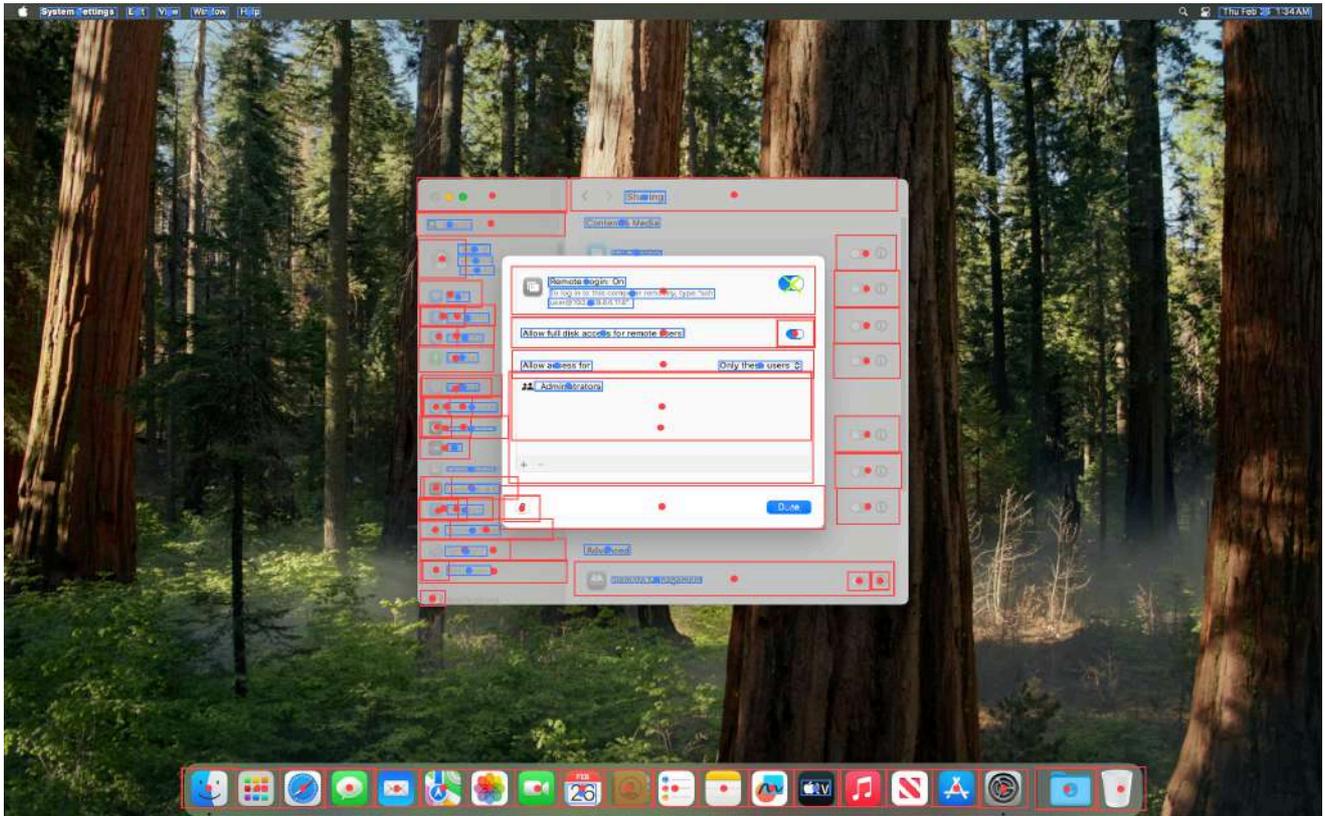1. Remote Login Settings Dialog (Modal Window)
    –   Title: "Remote Login: Off"
    –   Subtitle: "Remote Login lets users of other computers access this computer using SSH and SFTP."
    –   Main Toggle Switch:
        –   Label: "Remote Login"
        –   State: OFF (The toggle switch is in the left position, indicating disabled)
    –   Secondary Toggle Switch:
        –   Label: "Allow full disk access for remote users"
        –   State: OFF (The toggle switch is in the left position, indicating disabled)
    –   Access Control Section:
        –   Label: "Allow access for"
        –   Dropdown/Selector: "Only these users"
        –   User List:
            –   Selected User: "Administrators"
            –   State: Selected (The user "Administrators" is displayed as the current selection)
            –   User Management Buttons:
                –   Add Button: "+" (Located to the left of the user list, currently inactive or grayed out)
                –   Remove Button: "–" (Located to the right of the user list, currently inactive or grayed out)
    –   Help Button:
        –   Icon: "?" (Located at the bottom left of the dialog)
        –   State: Visible
    –   Action Button:
        –   Label: "Done"
        –   State: Enabled (The button is visible and appears clickable)

85. mouse_click

Assessment: I'm in the 'Remote Login' settings. it says 'Remote Login: Off'. I need to toggle it On. The toggle switch is at [1256, 408] roughly. Wait, looking at the layout, 'Remote Login: Off' has a toggle next to it. center [1256, 408]. let me confirm with

ui_elements. element for toggle is at [1256, 408] roughly. I'll click it. **Clarification:** Toggling Remote Login to On.

Params: element=Remote Login toggle switch, wait_seconds=2

click: [1148, 413] (element: "Remote Login toggle switch")

Vision:

```
Interface Type: GUI (Graphical User Interface)

Changes Detected:
— The "Remote Login" toggle switch has been switched from "Off" to "On".
— The descriptive text below "Remote Login" has changed from "Remote Login
lets users of other computers access this computer using SSH and SFTP." to "To
log in to this computer remotely, type 'ssh user@192.168.64.118'.".

Hierarchical Description of Changed UI Elements and Their State:

1.  Dialog Window (Modal)
      — Title: "Remote Login"
      — State: Opened and centered over the System Settings window.
      — Background: Semi—transparent gray overlay behind the dialog.

2.  Toggle Switch (Primary Control)
      — Label: "Remote Login"
      — Current State: ON (blue toggle, text reads "On")
      — Subtext: "To log in to this computer remotely, type 'ssh
```

```
         user@192.168.64.118'."
```

   3. Secondary Toggle Switch
       – Label: "Allow full disk access for remote users"
       – Current State: ON (blue toggle)

   4. Dropdown Selector
       – Label: "Allow access for"
       – Current Selection: "Only these users"
       – Icon: User group icon (👥)
       – Dropdown Value: "Administrators"

   5. User List Area
       – Content: Displays "Administrators" as the selected group.
       – Controls: "+" and "−" buttons below the list for adding/removing users.

   6. Help Button
       – Icon: Question mark (**?**)
       – State: Present and clickable.

   7. Action Button
       – Label: "Done"
       – State: Enabled and ready to be clicked to save changes.

```
The interface is a GUI modal dialog, and the primary change is enabling Remote
Login, which also updates the instructional text to provide the SSH connection
string. The secondary toggle and user access dropdown remain unchanged in
state.
```

86. config_set

Assessment: I've enabled Remote Login (SSH). The screen says: ssh
user@192.168.64.118. I'll save this IP to configuration. Then I'll test the SSH connection.
Clarification: Saving the computer's IP address to configuration.

Params: detailed_description=macOS VM IP address, value=192.168.64.118, force=false

Result:

```
Config set. id="3f9a4290-2b37-4611-b9ae-856f766d7a1f"
```

87. start_ssh_session

Assessment: I'll now test the SSH connection using the provided IP and credentials.
Clarification: Starting an SSH session to verify connection.

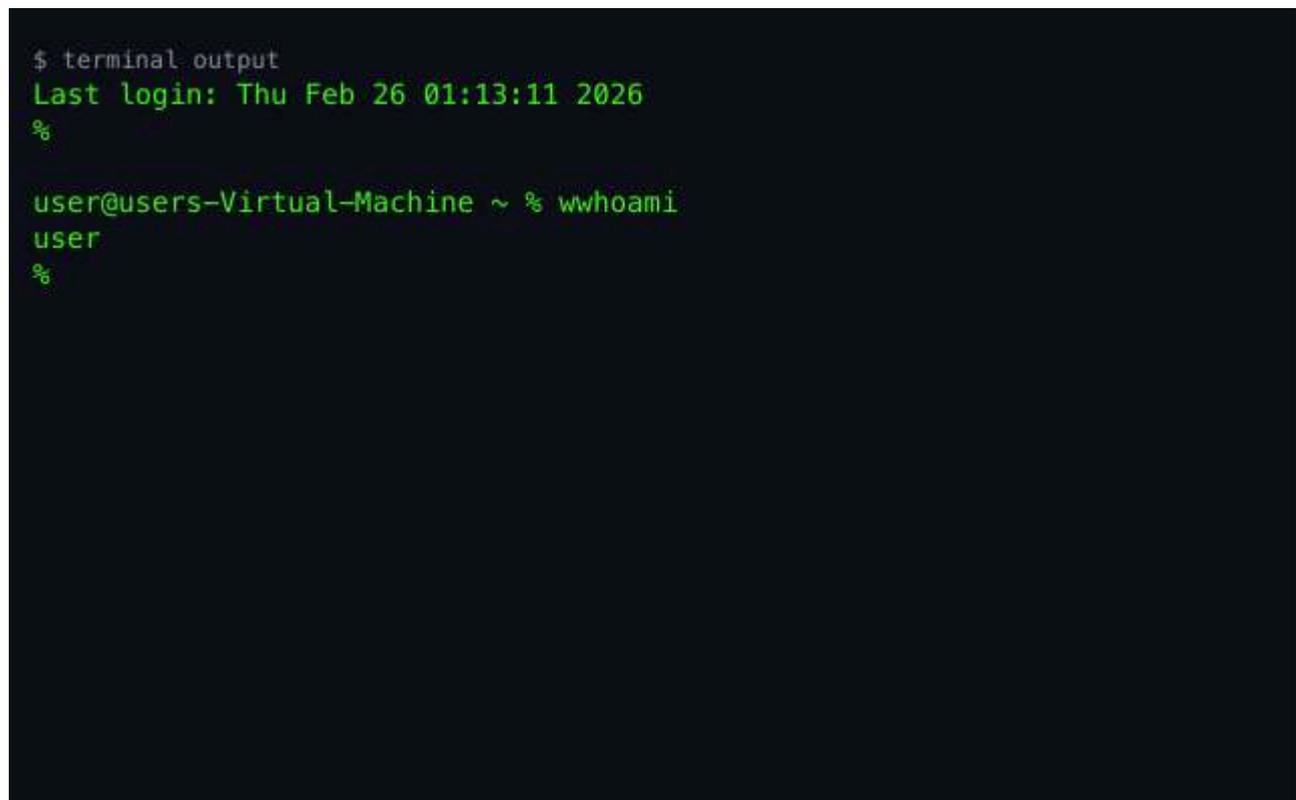**Params:** host=192.168.64.118, port=22, username=user, password=password

Result:

{"session_id":"b2e377a6-2b4a-4e4a-b997-45c91b9c1ff5","output":"Last login: Thu
Feb 26 01:13:11 2026\n\n%
\n \n"}

88. send_to_ssh_session

Assessment: SSH session started successfully. Testing with a simple command.
Clarification: Running 'whoami' to confirm identity.

Params: session_id=b2e377a6-2b4a-4e4a-b997-45c91b9c1ff5, command=whoami,
history_limit=24, wait_seconds=1

Result:

Last login: Thu Feb 26 01:13:11 2026

%

user@users-Virtual-Machine ~ % wwhoami

user
%

89. close_ssh_session

Assessment: SSH test successful. closing session. **Clarification:** Closing the test SSH session.

Params: session_id=b2e377a6-2b4a-4e4a-b997-45c91b9c1ff5

Result:

```
Session closed.
```

Final assessment

```
Task completed. macOS installed/configured, credentials saved, Location
Services disabled, SSH enabled, IP saved, and connection tested.
```