Mobile App Automation Template - Step-by-Step Documentation Guide

Template Overview

This template provides a standardized format for documenting mobile app automation processes with detailed structure and case sensitivity requirements for AI agent implementation.

Screen No: [NUMBER]

Screen Name: [DESCRIPTIVE_SCREEN_NAME]
Options:

- [Option 1]
- [Option 2]
- [Option N]

Actions to be Performed:

1. [Action Description with exact element]
    - Note: [Any special notes about this action]
    - Case sensitive text: "[EXACT_BUTTON_TEXT]"
2. [Next Action]
    - Case sensitive element: [EXACT_ELEMENT_LABEL]

[Screenshot – space]

Screen No: [NUMBER]

Screen Name: [INPUT_SCREEN_NAME]
Options:

- [Input Field 1]
- [Input Field 2]
- [Checkbox/Toggle Options]

Actions to be Performed:

1. Click on "[FIELD_LABEL]" input field
    - Case sensitive field label: "[EXACT_FIELD_LABEL]"
2. Enter [data_type] (e.g., [example_value])
3. Click on "[BUTTON_TEXT]" button
    - Case sensitive text: "[EXACT_BUTTON_TEXT]"
    - Note: [Error handling instructions if applicable]

[Screenshot – space]

Screen No: [NUMBER] - Multi-Step Process Example

Screen Name: [COMPLEX_SCREEN_NAME]
Options:

- [Dropdown 1] (Keep as default, i.e., [DEFAULT_VALUE])
- [Dropdown 2]
- [Input Field]

Actions to be Performed:

Step [NUMBER].1: [Action Name]

1. Click on "[ELEMENT_NAME]" dropdown selector
2. Select desired [option_type] from dropdown list (e.g., [example])
    - Case sensitive element: [EXACT_ELEMENT_NAME]

Step [NUMBER].2: [Action Name]

1. Click on "[ELEMENT_NAME]" dropdown selector
2. Select desired [option_type] from dropdown list (e.g., [example])
    - Case sensitive element: [EXACT_ELEMENT_NAME]

Step [NUMBER].3: [Action Name]

1. Click on "[ELEMENT_NAME]" input field
2. Type the desired [data_type] (e.g., [example])
    - Case sensitive element: [EXACT_ELEMENT_NAME]

Step [NUMBER].4: Proceed

1. Click on "[BUTTON_TEXT]" button
    - Case sensitive text: "[EXACT_BUTTON_TEXT]"

[Screenshot – space]

Screen No: [NUMBER] - Special Action Screen

Screen Name: [SPECIAL_SCREEN_NAME]
Options:

- [Special Action Button]

Actions to be Performed:

1. Locate the "[SPECIAL_BUTTON_TEXT]" button
    - Case sensitive text: "[EXACT_BUTTON_TEXT]"

2. [Perform special action as instructed]
3. [Continue with specific behavior]
    - Note: [Special instructions for this action type]
    - [Additional notes about expected behavior]

[Screenshot – space]

Screen No: [NUMBER] - Processing/Loading Screen

Screen Name: [PROCESSING_SCREEN_NAME]
Options:

- [Continue action]
- [Loading indicators]

Actions to be Performed:

1. [Continue previous action until completion]
2. Wait for [loading_elements] to finish
3. [Element] appearance changes will indicate progress
4. [Completion instruction]

[Screenshot – space]

Screen No: [NUMBER] - Final/Success Screen

Screen Name: [SUCCESS_SCREEN_NAME]
Options:

- [Final Action Button]

Actions to be Performed:

1. Read the message: "[SUCCESS_MESSAGE_TEXT]"
2. Click on "[FINAL_BUTTON]" button to finish [process_name]
    - Case sensitive text: "[EXACT_FINAL_BUTTON_TEXT]"
3. [Process_name] is now complete

[Screenshot – space]

Important Notes for Automation

Critical Elements for AI Agent:

- **UI Element Recognition:** Detect [element_types] like buttons, inputs, dropdowns, checkboxes
- **Text Input Automation:** Populate fields like [field_types]
- **[Special_Feature] Handling:** Must simulate [special_behavior]
- **Navigation Flow:** Recognize and follow sequential "[NAVIGATION_BUTTON]" buttons

- **Success Validation:** Identify final confirmation screen

Case Sensitivity Guidelines:

- All button texts must match exactly as specified
- Field labels must be referenced with exact casing
- Dropdown selectors require precise element identification
- Error handling should account for case-sensitive validation

Error Handling:

- If [common_error] appears, [solution_action]
- Ensure all required fields are filled before clicking "[NAVIGATION_BUTTON]"
- Verify [special_process] completion before proceeding
- Validate successful [process_name] before finishing

Technical Requirements:

- The AI Agent must adapt to various screen sizes and layout variations
- Maintain human-like interaction patterns throughout the process
- Handle loading states and transitions between screens
- Implement proper wait conditions for each screen to load completely

Template Usage Instructions

How to Use This Template:

1. Replace Placeholders:

- `[APP_NAME]` → Name of the application
- `[NUMBER]` → Sequential screen numbers
- `[DESCRIPTIVE_SCREEN_NAME]` → Descriptive name for each screen
- `[EXACT_BUTTON_TEXT]` → Exact text as it appears on buttons
- `[FIELD_LABEL]` → Exact field labels from the app

2. Customize Sections:

- Add or remove screens based on your app flow
- Modify action steps based on complexity
- Adjust error handling for app-specific scenarios

3. Maintain Structure:

- Keep the numbering system consistent

- Preserve the case sensitivity notes
- Include screenshot spaces after each screen

4. Special Considerations:

- For multi-step screens (like date selection), break into sub-steps
- For special actions (like CAPTCHA), create dedicated screen sections
- For processing screens, include wait instructions

Example Replacements:

- `[APP_NAME]` → "Gmail", "Instagram", "WhatsApp"
- `[EXACT_BUTTON_TEXT]` → "Sign Up", "Continue", "Get Started"
- `[FIELD_LABEL]` → "Email address", "Phone number", "Username"
- `[SUCCESS_MESSAGE_TEXT]` → "Account created successfully"

Common Screen Types to Document:

- **Welcome/Landing Screens:** Initial app screens with primary action buttons
- **Input Screens:** Forms with text fields, dropdowns, checkboxes
- **Multi-step Processes:** Complex screens requiring sequential actions
- **Verification Screens:** OTP, CAPTCHA, or other validation steps
- **Loading/Processing Screens:** Intermediate screens with progress indicators
- **Success/Completion Screens:** Final confirmation or welcome screens

This template ensures consistent documentation format across different mobile applications while maintaining the detailed structure and case sensitivity requirements essential for reliable AI agent automation implementation.