**Project name: Skybot Mobile Application Version 1.0**

**Test Object:** Mobile App Skybot Electric

**Network:**  Wi-fi, 5G,4G mobile Kyivstar

**Environment:** ***Android 14,***

Version Software A536BXXSBEXH1,

Version One UI 6.1

Screen size “6,5”

***Android 12,***

Model: Teclast T50\_EEA

V1.06\_20230824

Screen size “11”

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-01** | ***UI Design Verification*** | Compare UI elements SMA with Skybot web Portal mockup design Version 1.0.0 | Access to design Skybot web portal mockup and app on the test device | 1. Open the app.2. Open Skybot web portal for the current screen.3. Compare UI elements (position, size, colors) with mockup. | UI elements match the design of Skybot mockup in terms of positioning, size, and color scheme | UI elements SMA don’t match with Skybot web portal mockup | Fail | The design of the mobile app differs from the web portal design, with different font and button colors, as well as distinct shopping cart icons. |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-02** | ***Font and Color Validation*** | Verify test fonts, text sizes, and colors according to design specifications | Access to font and color specification; access to the app | 1. Open various app screens.2. Compare used fonts (font name, size, color) with design specs. 3. Validate color accuracy. | Fonts and colors match the design specifications. | Colors doesn’t match | Can’t run | Do not have access to specifications on both platforms to compare the fonts and their sizes. Each word might have a different font and text size. |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-03** | ***Screen Size Adaptivity*** | Check interface appearance on different devices (phones, tablets). | Access to multiple devices with different screen sizes | 1. Open the app on different devices.2. Check if UI elements scale correctly.3. Validate that proportions are preserved | Interface looks correct on all devices, and elements don’t overlap. | Interface looks correct on phone and tablet | Pass | Phone Screen size “6,5", Tablet Screen size “11” |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-04** | ***Screen Rotation Check*** | Ensure correct adaptation when switching between portrait and landscape orientation | Installed app; device with screen rotation support | 1. Open the app in portrait. 2. Rotate to landscape.3. Verify UI adapts correctly.4. Repeat for various app screens. | Interface adapts correctly to orientation changes without misalignment or overlaps | The application only displays the portrait orientation, and when switching to landscape, the screen remains locked in portrait mode. The interface does not adapt to landscape orientation, and elements remain fixed as they were in portrait mode. | Fail | Only the portrait mode is available, even when the device is rotated. |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-05** | ***Button Functionality*** | Ensure all buttons function and perform assigned actions | App installed; access to all screens | 1. Press every button on all app screens.2. Check if each button performs the intended action. | Each button performs its function as per the specification | All buttons work correctly | Pass |  |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-06** | ***Input Field Testing*** | Verify that text fields work correctly | Access to screens with input elements | 1. Open screen with input fields “Search” or “Chat”2. Enter data, check validation. | Input works correctly; validation messages show when needed | All input fields work correctly | Pass | When enter in the field validation dates, left empty or enter incorrect input the system shows right message |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-07** | ***Navigation Between Screens*** | Check all links and buttons for navigation between screens | Access to app with all screens | 1. Click all navigation links and buttons.2. Ensure smooth screen transitions | All transitions occur without delay or errors | All links and buttons for navigation between screens work correctly. Transitions between screens occur without delays or errors | Pass | Doesn't test behavior on a slow internet connection |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-08** | ***Back and Home Button Functionality*** | Verify the functionality of the "Back" or "Home" buttons | Installed app on the device | 1. Open the app 2. Navigate to the “Shop”.  3. Navigate to the any products from the list  3. Press the "Back" button on different screens.  3. Ensure it returns to the back screen. | The "Back" button takes users to the previous screen without issues | The "Back" button takes users to the previous screen without issues | Pass |  |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-09** | ***Animation Smoothness Check*** | Verify that animations run without lag or delay | Access to all app screens with animations | Trigger animations (e.g., screen transitions, modal window openings). 2. Observe smoothness on different devices and networks. | Animations run smoothly without lags or delays | Animations run smoothly under normal conditions | Fail | Performance slows down with noticeable delays when using a mobile internet connection |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-10** | ***Screen Transition Response Time*** | Evaluate the speed and smoothness of transitions between app screens | Access to all app screens and features | 1. Navigate between app screens using links/buttons.2. Monitor response time and transition smoothness. Perform actions on slow/fast devices. | Transitions occur within 1-2 seconds without significant delay. | Transitions occur within 1-2 seconds without significant delay. | Pass |  |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-11** | ***Color Contrast Testing*** | Ensure that there is sufficient contrast between text and background for readability | App installed on a device with a screen reader (e.g., TalkBack for Android) | 1. Activate the screen reader. 2. Navigate through the app.3.Verify correct reading of all UI elements (buttons, text fields, icons). | Screen reader reads all elements correctly, and input hints display properly. | Not all elements are clearly readable; the shopping cart icon and dropdown menu on the home screen are difficult to see due to the light background of the image | Fail |  |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-12** | ***Logical Placement of UI Elements*** | Evaluate whether UI elements are logically and intuitively placed | Accept UX design specifications or a visual example of the expected result | 1. Open the app and navigate through various screens.2. Assess the ease of finding important elements (buttons, input fields, icons).3. Analyze logic. | Main UI elements are logically placed, and users can easily find and interact with them | Main UI elements are logically placed, and users can easily find and interact with them | Pass |  |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-13** | ***Language Selection in the App*** | Verify the correct operation of the language selection feature in the app, specifically the accuracy of the interface translation and the update of elements after changing the language. | The app is installed.  The app supports multiple languages (e.g., Ukrainian, English, German).  Access to settings for changing the language | 1. Open the app on the device.  2. Navigate to the My profile button.  3. Navigate to settings.  4. Push the button App language.  5. Change the app language to another one (e.g., from Ukrainian to English).  Check if the interface text updates to the selected language.  Evaluate the accuracy of the translation for elements such as menus, buttons, and messages.  Repeat steps 3-6 for multiple available languages | The interface updates immediately after selecting the new language without restarting the app.  All text elements (menus, buttons, hints, notifications) are correctly translated into the selected language | Not all interface elements are translated into the selected language, and the app restarts after changing the language | Fail |  |

| **ID** | **Title** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC UI-14** | ***UI Overlap Check"*** | Ensure that no UI elements overlap with each other across different screens and device sizes. | The application is installed and launched.  The app is running on various devices or screen sizes (mobile, tablet). | 1. Navigate through different screens (e.g., Home, Settings, Profile).  2. Check the positioning of all UI elements (buttons, text, icons, etc.) on each screen.  3. Rotate the device between portrait and landscape modes and check again.  4. Resize the window (for responsive web applications) and observe the behavior of elements. | UI elements do not overlap.  All elements maintain proper spacing and alignment.  The interface remains usable and readable in all modes and screen sizes. | All UI elements are displayed correctly without overlapping. Each element maintains appropriate spacing | Pass |  |

**UI Test Report**

**Project:** Skybot Mobile Application Version 1.0

**Testing Type:** UI Testing

**Date:** October 2024

**Tested By:** O.Solodka

**Devices Used:** Phone (6.5"), Tablet (11")

**Summary:**

This report presents the results of UI testing for the Skybot Mobile App Version 1.0. The goal was to verify the alignment of UI design, functionality, and responsiveness across devices of different sizes. The tests covered design consistency with the mockup, fonts and colors validation, screen size adaptivity, button functionality, animations, and language selection. The majority of the test cases passed, but some failed due to design inconsistencies, animation delays, and poor color contrast.

**Test Results Overview**

| **ID** | **Title** | **Status** | **Notes** |
| --- | --- | --- | --- |
| TC UI-01 | UI Design Verification | Fail | Differences in font and button colors, shopping cart icon design inconsistent with mockup |
| TC UI-02 | Font and Color Validation | Can't Run | No access to font and color specifications for comparison on both platforms |
| TC UI-03 | Screen Size Adaptivity | Pass | Interface scales correctly on both phone and tablet |
| TC UI-04 | Screen Rotation Check | Fail | Screen remains locked in portrait mode; no landscape adaptation |
| TC UI-05 | Button Functionality | Pass | All buttons function as expected |
| TC UI-06 | Input Field Testing | Pass | Input validation messages display correctly |
| TC UI-07 | Navigation Between Screens | Pass | Smooth navigation between screens; no delays or errors |
| TC UI-08 | Back and Home Button Functionality | Pass | Back button performs as expected, returning to previous screens |
| TC UI-09 | Animation Smoothness Check | Fail | Animations lag under mobile internet connection |
| TC UI-10 | Screen Transition Response Time | Pass | Transitions occur within 1-2 seconds |
| TC UI-11 | Color Contrast Testing | Fail | Some elements are hard to read due to light background, e.g., shopping cart icon |
| TC UI-12 | Logical Placement of UI Elements | Pass | Elements are logically and intuitively placed |
| TC UI-13 | Language Selection in the App | Fail | Not all elements are translated, and the app restarts after language change |
| TC UI-14 | UI Overlap Check | Pass | No overlapping elements detected on any screen sizes |

### **Results Summary**

* **Total Test Cases**: 14
* **Passed**: 8
* **Failed**: 5
* **Blocked:** 1

**Conclusions:**

The majority of UI elements function as expected, but there are notable issues with screen rotation, animation performance on slow connections, color contrast, and language translation. The design of some UI elements, such as fonts, button colors, and icons, also differs from the mockup. These issues should be addressed to ensure consistency, usability, and accessibility across different devices and conditions.

**Recommendations:**

***UI Consistency:*** Align the design of fonts, colors, and icons with the mockup to ensure consistency.

***Screen Rotation:*** Implement support for landscape orientation and ensure the UI adapts accordingly.

***Animation Performance:*** Optimize animations for smoother performance, particularly under slow network conditions.

***Color Contrast:*** Improve the contrast between text/icons and the background to enhance readability.

***Language Translation:*** Ensure all UI elements are translated after language change and eliminate the need for app restart.