**User Acceptance Testing**

Project name: Skybot Mobile Application Version 3.0

Test Object: Mobile App Skybot Electric

Network: Wi-fi

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”

Tested by O.Solodka

Date: 10-15.11.2024

| **Requirement** | **ID** | **Test case scenario** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Status** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **0. Test Environment Setup** | 0.1 | Download and Install the App | Verifying the process of downloading and installing the mobile app on the user's device | The user has access to an app store (Google Play for Android or App Store for iOS) | 1. Go to the app store (Google Play or App Store) on the mobile device.  2. Type the app's name in the search bar (e.g., "Spaces:Follow Businesses").  3. Find the app in the search results.  4. Tap the "Download" or "Install" button.  5. Wait for the download and installation process to complete.  6. After installation, tap on the app icon to open it.  ***Method 2:***  1. Follow by the instruction of document  [MAT\_ver2 - Google Документи](https://docs.google.com/document/d/1mYTKMs_j1lH0dGf2_av0hNdvhBni_HdAJHzyli3RJ_Q/edit?tab=t.0#heading=h.jtz6b0s59c9t) | The app is successfully downloaded and installed on the device.  After opening the app, it launches correctly without errors.  The user is directed to the welcome screen or the app's home page. | Passed | The app is successfully installed and opened without issues.  The app launches without crashes on all supported devices (Android/iOS).  The app meets the system requirements |

| **Requirement** | **ID** | **Test case scenario** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Status** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1. Registration and authorization** | 1.1 | User Registration | Verify that a new user can register successfully using the registration form | The user is not registered in the app | 1. Launch the app.  2. Tap on the "Register" button.  3. Enter valid details (name, email, password).  4. Confirm registration by submitting the form. | The user registers successfully. The app displays a confirmation message, and the user is redirected to the main page | Passed | Registration is completed without errors, and the user is directed to the home page |
|  | 1.2 | User Login | Verify that the user can log in using their credentials | The user has an active account in the app | 1. Launch the app.  2. Tap on the "Login" button.  3. Enter correct login credentials (email and password).  4. Tap on the "Login" button | The user logs in successfully and is redirected to the home page | Passed | Successful login, and the user is taken to the main page without errors |

| **Requirement** | **ID** | **Test case scenario** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Status** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2. Product Browsing** | 2.1 | Product Browsing | Verify the ability to browse products within various categories | The user is logged into the app | 1. Open the app  2. Go to the "Shop" section.  3. Select a category to view items within that category. | The app displays a list of products matching the selected category | Failed | Products appear correctly and are error-free, with accurate details |
|  | 2.2 | Product Details | Verify the user can view detailed information about a product, including specifications, description, rating, reviews, and product images | The user is logged into the app and products are available in the catalog | 1. Open the app  2. Go to the "Shop" section.  3. Select any product  4. View detailed information about a product, including specifications, description, rating, reviews, and product images | The app displays all relevant details about the selected product, including name, description, price, images, available options (such as color), and any ratings or reviews. | Failed | The product details page loads correctly without errors.  Product information (name, description, price, availability) is displayed accurately.  Product images are visible and can be viewed in full-screen mode.  Ratings and reviews are displayed correctly, and related options (like color) are selectable. |

| **Requirement** | **ID** | **Test case scenario** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Status** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **3. Cart Functionality** | 3.1 | Adding a Product to the Cart | Verify the ability to add a product to the shopping cart | User is logged in, and the product is available for purchase | 1. Launch the app and navigate to the “Shop”  2. Browse and select a product.  3. Tap "Add to Cart." | The product is successfully added to the cart, and a confirmation message appears | Passed | Product appears in the cart with the correct quantity and pricing details |
|  | 3.2 | Change the quantity of the items in the cart | Verify that the user can increase or decrease the quantity of items in the cart. | User is logged in and has at least one item already added to the shopping cart.  The product in the cart allows multiple quantities to be purchased | 1. Launch the app and navigate to the shopping cart.  2. Identify an item already in the cart.  3. Tap on the quantity field or buttons (e.g., “+” and “-”) to adjust the item quantity.  4. Increase the quantity by one.  5. Verify that the total price updates accordingly.  6. Decrease the quantity back to the original amount.  7. Verify that the total price updates again | The item quantity updates correctly with each adjustment.  The cart total updates to reflect the changed quantity | Passed | Quantity adjustments are processed without errors or delays.  Total price calculation reflects the updated quantity.  Visual feedback (e.g., updated quantity field and total price) is immediate and accurate. |
|  | 3.3 | Remove Product from Cart | Verify that the user can remove a product from the cart | User is logged in and has at least one item added to the shopping cart | 1. Launch the app and navigate to the shopping cart.  2. Identify the product in the cart that you want to remove.  3. Tap on the “Remove” or “Delete” button/icon associated with the product.  4. Confirm the action if a confirmation prompt appears.  5. Verify that the product is removed from the cart.  6. Verify that the cart total updates correctly after the product is removed. | The selected product is successfully removed from the cart.  The cart total updates to reflect the removal. | Passed | The product is removed without errors or delays.  The cart total accurately reflects the updated contents.  Visual feedback (e.g., updated product list and total) is immediate and accurate |

| **Requirement** | **ID** | **Test case scenario** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Status** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **4. Checkout** | 4.1 | Placing an Order | Verify that the user can successfully place an order | User is logged in, and items are added to the cart | 1. Open the cart.  2. Review items in the cart.  3. Tap "Checkout" to proceed.  4. Enter delivery address and choose a payment method  5. Confirm order | Order is placed successfully, and the app shows a confirmation message | Failed | Order is confirmed with all items and delivery details accurately reflected |

| **Requirement** | **ID** | **Test case scenario** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Status** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **5. Payment** | 5.1 | Payment Processing | Verify that the payment process works as expected | User proceeds to checkout and selects a payment method | 1. Go to the payment section during checkout.  2. Select a payment method (e.g., credit card, PayPal).  3. Enter payment details.  4. Confirm payment. | Payment is processed successfully, and a confirmation message is displayed | Failed | Payment completed without errors, and a payment confirmation is received |

| **Requirement** | **ID** | **Test case scenario** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Status** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **6. Order Tracking** | 6.1 | Track an Order | Verify that the user can view the status and tracking details of an order | User is logged in and has completed at least one order.  The order has been processed and has tracking information available | 1. Launch the app and navigate to the “My Orders” section from the main menu or profile.  2. Locate and select the order to be tracked from the order history list.  3. Tap on the order to open the order details.  4. Verify that the order status (e.g., "Processing," "Shipped," "Out for Delivery," "Delivered") is displayed.  5. If tracking information is available, tap the "Track Order" or similar option to view tracking updates.  6. Check that the tracking information is current and shows the shipment’s progress, including expected delivery dates, if provided. | The order details page displays the current order status clearly.  If tracking is available, the app shows accurate tracking information with updates.  The user can view all relevant shipment milestones, such as “Shipped” or “Out for Delivery.”  The expected delivery date is provided if applicable. | Failed | Order status is up-to-date and visible in the order details.  Tracking information, if available, is displayed accurately and updates in real-time.  Milestones and delivery expectations are visible to the user.  No errors or delays occur while accessing order tracking. |

| **Requirement** | **ID** | **Test case scenario** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Status** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **7. Reviews and Ratings** | 7.1 | Product Review Submission | Verify that the user can submit a review for a product | User is logged in and has purchased or viewed the product | 1. Navigate to the “Shop” button  2. Open the product page.  3. Tap on "Write a Review."  4. Enter the review text and rate the product.  5. Submit the review. | The review is posted successfully and appears on the product page | Failed | Review is visible on the product page with the rating and review text |

| **Requirement** | **ID** | **Test case scenario** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Status** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **8. User Interface** More about [**User Interface testing**](https://docs.google.com/document/d/1kEuQOBdxKCBWar90t2ix1st-2wZs1IIqjKN-pEXjCrc/edit?tab=t.0) | 8.1 | User Interface Validation | Verify that the app’s user interface is intuitive, accessible, and displays correctly across different screens and orientations | The app is installed on the target device, and the user has launched it.  The device screen size and resolution meet app requirements. | 1. Launch the app and observe the initial home screen.  2. Verify the layout, colors, icons, and text styles for consistency and readability.  3. Check the navigation flow:  3.1 Tap on the main navigation menu (e.g., “Home,” “Shop,” “Cart,” “Profile”).  3.2 Verify that each screen loads properly and all buttons and icons are responsive.  4. Rotate the device to test landscape and portrait modes, confirming all elements adjust appropriately.  5. Interact with essential components, such as buttons, links, and icons  6. Ensure that they are responsive and provide visual feedback on touch. 7. Validate the consistency of button sizes and placement throughout the app.  8. Check accessibility:  8.1 Ensure that important elements like navigation and buttons have clear labels.  8.2 Test with screen readers to verify text labels are read correctly.  9. Verify that all text, especially product names, descriptions, and prices, displays fully without clipping or overflow issues.  10. Test the visibility of essential UI elements in different lighting conditions (e.g., dark mode vs. light mode). | The user interface elements, such as buttons, icons, text, and images, are well-aligned, readable, and responsive.  The app layout and navigation are intuitive, with clear labels for accessibility.  The UI adjusts correctly to different screen orientations and does not distort or clip content.  Visual feedback is provided when interacting with UI components (e.g., button color changes).  Essential content and navigation elements are clear and legible in both light and dark modes. | Failed | UI is visually consistent, responsive, and free of alignment or clipping issues.  Navigation is intuitive, with no broken links or inaccessible elements.  The app supports both light and dark modes and adjusts properly in both.  Accessibility standards are met, including screen reader compatibility.  No errors, crashes, or display issues occur during the test. |

| **Requirement** | **ID** | **Test case scenario** | **Description** | **Precondition** | **Steps** | **Expected Result** | **Status** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **9.Compatibility**  More about [**Compatibility Testing**](https://docs.google.com/document/d/1MDRe6miT8nAW3jRI6YconVsKIXhw9riorHsrZetK744/edit?tab=t.0) | 9.1 | Device Compatibility | Verify that the app functions correctly across various devices and screen sizes | The app is installed on different devices (smartphones, tablets) | 1. Install the app on both smartphone and tablet devices.  2. Verify key functionalities on each device  3. Check different modes on devices  4. Try to change the language | The app operates smoothly on all devices without interface or functional issues. | Failed | The app did not support landscape mode, remaining locked in portrait orientation across both versions.  Several failures were noted in localization (both in general translation and RTL language support) |