Project name: **Skybot Web portal Version 1.0.0**

Test Object: <https://prometheusqastage1.wixsite.com/skybot>

Test cases for Skybot MVP Version 1.0.0

**User Registration and Authentication**

***ID: TC-101***

***Title: User Registration with Valid Data***

***Description: Verify that a user can successfully register with valid data.***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on the registration page ”Memers” | 1. Open page [Memers | Skybot Electric (prometheusqastage1.wixsite.com)](https://prometheusqastage1.wixsite.com/skybot/members)  2.Push the button “Memers”  3.Click on “Log in”  4. Choose the option Sign up with email  5.Enter valid email  6.Enter valid password  7.Choose the option “I’m not a robot”  8. Press the button Sign up | Users have to have a possibility of registration with Google, Facebook or email. | User has registered with email.  After registration with valid data user can find option Log in | Passed | Button “Memers” has a mistake in the word. it should be ”Members”  2.User has to see the button “Log in” on the main page. |

***ID: TC-102***

***Title: User Registration with Invalid Email***

***Description: Verify that a user cannot register with an invalid email address***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on the registration page “Memers” | 1.Push the button “Memers”  2.Click on “Log in”  3.Choose option Sing up with email.  4. Enter an invalid data  5. Choose option “I’m not a robot”  6.Click the button “Sign in” | An error message is displayed indicating the email format is incorrect | User can’t register with invalid email.  User see the message “Double check your email and try again” | Passed |  |

***ID: TC-104***

***Title: User Login with Valid Credentials***

***Description: Verify that a user can log in with valid credentials.***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on the page “Memers” | 1.Click the button “Log in”  2.Push the phrase“Log in” after phrase “Already a member?”  3.Choose the option “Log in with email”  4. Enter registred email and valid password  5.Click “Log in” | User is successfully logged in and redirected to the homepage | User can’t Log in with registered account.  User get the message about technical problem | Failed |  |

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#### ***ID: TC-105***

***Title: User Login with Invalid Credentials***

***Description: Verify that a user cannot log in with invalid credentials.***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on the page “Memers” | 1.Click the button “Log in”  2.Push the phrase“Log in” after phrase “Already a member?”  3.Choose the option “Log in with email”  4. Enter an unregistered email address  5.Enter an incorrect password.  5.Click “Log in” | An error message is displayed indicating invalid login credentials | User can’t find the Log In button | Failed |  |

***ID: TC-106***

***Title: Password Recovery with Valid Email***

***Description: Verify that a user can initiate password recovery with a valid email***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on the password recovery page. | 1.Open page “Memers”  2. Click the button “Log in”  3.Push the phrase“Log in” after phrase “Already a member?”  4.Push the button “Log in with email”  5.Click the button Forgot password?  6. Enter registered email | A password recovery email is sent to the user | User cannot get password recovery with valid email | Failed |  |

***ID: TC-107***

***Title: Password Recovery with Invalid Email***

***Description: Verify that a user cannot initiate password with an invalid email***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on the password recovery page. | 1.Open page “Memers”  2. Click the button “Log in”  3.Push the phrase“Log in” after phrase “Already a member?”  4.Push the button “Log in with email”  5.Click the button Forgot password?  6. Enter an unregistered email address | An error message is displayed indicating the email is not registered. | User get the message “Double check your email and try again” | Passed |  |

**Product Catalog**

***ID: TC-201***

***Title: Viewing All Products***

***Description: Verify that all products are displayed correctly in the product listings***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on the Home page | 1.Scroll the home page down  2.Scroll through the list of products. | All products are displayed with correct details such as name, price, and image | There is no separate button for the catalog with the product (model).  The button “Shop”  can’t be find.  All products are displayed with different details and descriptions | Passed |  |

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***ID: TC-202***

***Title: Product Search by Name***

***Description: Verify that the search functionality works correctly when searching by product name***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on the Home page | 1.Scroll the home page down | Products matching the search criteria are displayed. | There is no the "Search" button. User cannot find a product name in the search bar. | Can’t be run |  |

***ID: TC-203***

***Title: Filtering Products by Price Range***

***Description: Verify that the filtering functionality works correctly when filtering by price range***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on Home page | 1.Scroll the home page down | Products within the selected price range are displayed | There is no the option for User to select a price range filter | Can’t be run |  |

***ID: TC-204***

***Title: Sorting Products by Price***

***Description: Verify that the sorting functionality works correctly when sorting by price.***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on Home page | 1. Scroll the home page down | Products are sorted by price in the selected order (ascending/descending). | There is no the option for User to sort products by a price range filter | Can’t be run |  |

***ID: TC-205***

***Title: Viewing Product Details***

***Description: Verify that detailed information about a product is displayed correctly.***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| The user is on the Home page | 1.Open home page  2.Scroll the page down  3.Click on a product from the list  4.View the product details page | Product details such as images, specifications, and reviews are displayed correctly | All products have different description, there is no one template for displaying products detailed information | Passed |  |

**Cart Management**

***ID: TC-301***

***Title: Add Single Item to Cart***

***Description: Verify that a single item can be added to the cart from the Home page***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| User is on the Home page | 1.Navigate to a Home page  2.Scroll the page down  3.Click on a product “Skybot Dualtron” from the list  4.Click the button “Додати у кошик”("Add to Cart")  5.Observe the cart icon or notification | The item is added to the cart, and the cart icon updates to reflect the addition | The item is added to the cart, and the cart icon updates to reflect the addition | Passed |  |

***ID: TC-302***

***Title: View Cart Contents***

***Description: Verify that the cart displays all added items with correct details***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| User has added items to the cart | 1.Click on the cart icon or "View Cart" button  2.Verify the list of items, their names, prices, and quantities  3.Verify cart totals | All items are displayed with correct details, and cart totals are accurate | The number of products and the cost change correctly, but the information is displayed in different languages | Passed |  |

***ID: TC-303***

***Title: Update Item Quantities in Cart***

***Description: Verify that the quantity of items in the cart can be updated***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| User has items in the cart | 1.Open the cart  2.Change the quantity of an item  3.Verify that the new quantity is saved and cart totals update accordingly. | The item quantity updates correctly, and the cart totals are recalculated | The item quantity updates correctly, and the cart totals are recalculated | Passed |  |

***ID: TC-304***

***Title: Remove Item from Cart***

***Description: Verify that an item can be removed from the cart***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| User has items in the cart | 1.Open the cart  2.Click the "Remove" button (x) next to an item | The item is removed from the cart, and the cart totals are updated | The item is removed from the cart, and the cart totals are updated | Passed |  |

***ID: TC-305***

***Title: Clear All Items from Cart***

***Description: Verify that all items can be cleared from the cart in a single action***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result |  | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| User has items in the cart | 1.Open the cart  2.Click the "Delete icon" button next to an item | All items are removed, and the cart is empty with totals reset to zero | All items are removed, and the cart is empty | Passed |  |

**Customer Support**

***ID: TC-701***

***Title: Contact Customer Support via Contact Form***

***Description: Verify that the user can successfully contact customer support using the contact form***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| User is on the Home page | 1.Navigate to the Home page  2. Scroll down to form "Contact Us"  3. Fill in the contact form with necessary details (name, email, subject,message).  4.Click "Submit". | A confirmation message is displayed indicating that the message has been successfully sent to customer support | A confirmation message is displayed indicating that the message has been successfully sent to customer support | Passed |  |

***ID: TC-702***

***Title: View Frequently Asked Questions (FAQs)***

***Description: Verify that the user can view a list of frequently asked questions***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| FAQ are available on the portal | 1.Navigate to the "FAQ" page. 2. Browse through the list of questions and answers. | The user can view and read all FAQs without any issues | The user can view and read all FAQs | Passed |  |

***ID: TC-703***

***Title: Use Live Chat for Support***

***Description: Verify that the user can successfully initiate and use the live chat feature to contact customer support***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| Live chat feature is active and an agent is available | 1.Navigate to the button “Let’s Chat” in the right down corner  2. Click on the live chat icon.  3. Enter a message in a conversation field. | The user is able to initiate a chat, send and receive messages, and end the chat session successfully | The user is able to initiate a chat, send and receive messages, and end the chat session successfully | Passed |  |

**Ability to sign up for a test drive**

***ID: 1101***

***Title: Verify User Sign-Up for Test Drive***

***Description: Ensure that users can successfully sign up for a test drive of a vehicle***

***Test Case Complexity: Low Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| User is on the portal | 1.Navigate to the button “Book online”  2. Click on the button “Записатися” | The user receives a confirmation message and an email confirming their test drive appointment | The user cannot sign up for a test drive | Failed |  |

**Checkout Process**

***ID: TC-401***

***Title: Initiate Checkout Process***

***Description: Verify that the checkout process can be initiated from the cart***

***Test Case Complexity: High Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| User has items in the cart | 1.Open the cart  2.Click the button "Оформити замовлення” (Checkout" button)  3.Observe the navigation to the checkout page | User is redirected to the checkout page successfully | User can’t do the checkout process | Can’t be run |  |

***ID: TC\_403***

***Title: Select Payment Method***

***Description: Verify that the user can select a payment method***

***Test Case Complexity: High Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| User is on the payment selection step in the checkout process | 1.Choose a payment method PayPal Checkout  2. Enter payment details.  3. Click "Continue" | Payment method is selected and payment details are accepted. | Payment method PayPal Checkout can’t be chosen | Failed |  |

**Performance Testing**

***ID: TC-801***

***Title: Verify Page Load Speed***

***Description: Ensure that the webpage loads within the acceptable time frame for end users.***

***Test Case Complexity: High Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| Test environment is set up and performance monitoring tools are in place. | 1. Open the target webpage.  2. Measure the time it takes for the page to fully load.  3. Compare the load time against the target performance criteria | The page loads within the specified time limit (less than 2 seconds) | The page loads within the specified time limit (less than 2 seconds) | Has to be run by performance specialist |  |

***ID: TC-803***

***Title: Verify Response Times for Different User Actions***

***Description: Ensure that various actions performed by users (e.g., searching, submitting forms) are completed within acceptable response times***

***Test Case Complexity: High Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| Test environment is configured with performance monitoring tools | 1.Perform specific user actions on the application.  2. Measure the time taken for the system to respond.  3. Compare response times against the performance criteria | All user actions complete within the acceptable response time limits (e.g., less than 2 seconds | All user actions complete within the acceptable response time limits (e.g., less than 2 seconds | Has to be run by performance specialist |  |

**Mobile Responsiveness**

***ID: TC-901***

***Title: Verify Site Layout on Different Mobile Devices***

***Description: Ensure that the website displays correctly on various mobile devices (e.g., smartphones, tablets)***

***Test Case Complexity: High Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| Access to multiple mobile devices or device emulators | 1.Open the website on a smartphone.  2. Verify the layout, images, and text alignment.  3.Repeat steps on a tablet.  4. Verify consistency across devices | The site layout is correctly displayed without any broken elements or misalignment on all devices | The site layout is correctly displayed without any broken elements or misalignment on all devices | Passed |  |

***ID: TC-902***

***Title: Verify Site Layout on Different Mobile Browsers***

***Description: Ensure that the website displays correctly on various mobile browsers (e.g., Chrome, Edge, Firefox)***

***Test Case Complexity: High Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| Access to multiple mobile devices with different browsers installed | 1.Open the website on a smartphone using Chrome.  2. Verify the layout, images, and text alignment.  3. Repeat steps on Edge, Firefox)  4. Verify consistency across browsers | The site layout is correctly displayed without any broken elements or misalignment on all browsers | The site layout is correctly displayed without any broken elements or misalignment on all browsers | Passed |  |

***ID: TC-903***

***Title: Verify Mobile Navigation***

***Description: Ensure that navigation menus and links are easily accessible and functional on mobile devices***

***Test Case Complexity: High Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| Access to multiple mobile devices or device emulators | 1.Open the website on a smartphone.  2. Tap on the navigation menu icon Home page.  3. Verify that the menu expands and all links are visible.  4. Tap on various menu links to ensure they navigate correctly.  5. Repeat steps on a tablet. | Navigation menus expand correctly, and all links are functional and accessible on all devices | Navigation menus expand correctly, and all links are functional and accessible on all devices | Passed |  |

**Video Hosting Integration**

***ID: TC-1201***

***Title:*  Platform Compatibility Check**

***Description:*** Verify the ability to integrate with popular video hosting platforms such as YouTube

***Test Case Complexity: High Complexity***

| Preconditions | Test Steps | Expected Result | Actual Result | Status | Notes |
| --- | --- | --- | --- | --- | --- |
| Correct configuration of API keys and access to the video hosting platform | 1. Establish connection to YouTube  2.Verify ability to fetch list of videos  3.Verify ability to embed videos on product pages of the portal | Videos from YouTube are successfully displayed on the product page | Videos from YouTube are successfully displayed on the product page | Passed |  |