

# Quality Engineer - Technical Test

## *Task 1*

### Critical scenarios

#### 1. Log in and registration of the user.

In order for a user to be able to access an e-commerce website the first thing is to be signed to the website and afterwards perform the login. This is crucial for personalization as well as easier order tracking and more secure.

#### 2. Searching products

After a user has successfully logged in the application, he wants to browse the items to find the item of his liking. Search should be effective and precise for customer satisfaction.

#### 3. Cart and checkout

In the sequence that we follow the user has selected the items that he wants to purchase so we need to provide a secure checkout and secure transactions in order to avoid implications of lost orders.

#### 4. Order tracking

Most of the users prefer to have a clear image of their order history, this provide customer satisfaction which is crucial for an e-commerce website.

#### 5. Secure data

Security is of big importance, having HTTPS is mandatory to avoid sensitive data leaks.

### Test cases / Acceptance criteria

Test case for scenario 1:

- Summary/expected goal: Users can successfully register on the e-commerce page.
- Steps:
  - Navigate to the registration page
  - Enter credentials in both password and username fields
  - Click register button and verify success message

- Expected result:
  - User should be able to register with success
  - Confirmation message is present
- Prerequisites:
  - All mandatory fields should be filled
  - Information must be valid (special characters not allowed)
  - Password must strong

Story for scenario 1:

- Title: User registration
- Description: As a potential customer I want to be able to register on the platform so I can track my orders and have security.
- Acceptance criteria:
  - In the registration page customer must fill all required fields before he can click the “register” button
  - When user enters wrong credentials or mandatory fields are empty/wrong then provide error messages
  - When user logs in the application he can see all of his personal details in the related webpage

Test case for scenario 2:

- Summary/expected goal: Users can successfully search for products in the e-commerce page.
- Steps:
  - Log in the platform
  - Click the search bar and type a key word
  - Verify results
- Expected result:
  - Relevant products to the keyword should appear
  - Results are easy to review by the user
- Prerequisites:
  - Test with different keyword and more complex.
  - Check that both registered and non-registered users can use the search bar

Story for scenario 2:

- Title: Product search
- Description: Users can easily and effectively search for products using the search bar
- Acceptance criteria:
  - When use the search bar I should see relevant items with my keyword in the results
  - Results should be easy to review (both guest and registered user)
  - Top results should relate to my keyword

Test case for scenario 3:

- Summary/expected goal: Users can add items in the cart and complete the checkout
- Steps:
  - Select items to add to cart
  - Navigate to the shopping cart
  - Proceed the sequence and add valid information
  - Confirm order has been made
- Expected result:
  - Items must appear in the cart
  - Checkout process is completed with no problems
  - Verify order confirmation modal in the end
- Prerequisites:
  - Test the option that payment or order fails

Story for scenario 3:

- Title: Secure checkout
- Description: As a potential customer I want to be able to add items In my cart , review the cart and complete the checkout
- Acceptance criteria:
  - Given I have items in my cart and proceed to checkout I must provide shipping and billing information
  - When I enter incorrect information, I should see error message with information on how to proceed
  - When checkout is completed order email confirmation is received with the correct details of purchase

Test case for scenario 4:

- Summary/expected goal: Users can effectively track their orders
- Steps:
  - Log in to the platform
  - Navigate to the order section
  - Review past orders
- Expected result:
  - Information for the orders must appear
  - Status, shipping info, delivery dates must be present
- Prerequisites:
  - Tracking page should be visible only to registered user
  - Check for users with multiple items and multiple orders

Story for scenario 4:

- Title: Order tracking
- Description: As a potential customer I want to be able to track my orders and have a detailed history so I can be informed anytime
- Acceptance criteria:
  - When user is logged in, he can navigate to order tracking section
  - When user clicks on a specific order, he can see details with accurate information
  - When user is not logged in and clicks on the order tab he should be redirected to register
  - When user has no order, an informational text should be displayed

Test case for scenario 5:

- Summary/expected goal: Platform supports HTTPS
  - Access pages in the platform
  - Check URL each time for HTTPS
- Expected result:
  - HTTPS must be included in the URL
- Prerequisites:
  - Testing must be done in different browsers
  - Check both registered and guest users

Story for scenario 5:

- Title: Data security and HTTPS
- Description: As a potential customer I want my data to be secured and encrypted as well as HTTPS should be included.
- Acceptance criteria:
  - All pages accessed pages by a customer must include HTTPS
  - Browser should indicate the secure indication
  - If customer tries to access via a non secured connection redirect in a secure on must be made.
  - Sharing URL via different devices or by copy-paste should contain HTTPS all the time.