Operation Shopping Spree Project

1. Objective

The objective of this task is to evaluate your ability to create comprehensive test cases for an online shopping website. You will be provided with the basic functionalities of the online shopping website. Your task is to create a set of test cases covering various scenarios to ensure thorough testing of the website.

This task is designed to assess your skills in test case creation and your understanding of testing principles for web applications. Focus on creating clear, comprehensive test cases that cover various aspects of the online shopping website's functionality.

2. Website Details

2.1. Website Overview

SmartBuy is an online shopping website that allows users to browse products, add them to the cart, proceed to checkout, and make purchases. Users can also register for accounts, log in, manage their profiles, view order history, and contact customer support.

SmartBuy covers important features and makes it easy for users to reach the goal of electrical devices online shopping directly. SmartBuy used simple, organized, and modern design for ease of use. Also, SmartBuy made a solution for communication between client and support through website chatting SmartBuy has covered all your needs in one platform with different prices and varieties and expanding to cover all Egypt.

2.2. Website Main Objective

- Focus on user need and produce features based on business requirements.
- Make simple, modern and easy design
- Fast and accurate search results
- SmartBuy covers 7th branches across Egypt
- Send email whenever product is out of stock
- Exclusive offers

- Ease of navigation between website pages
- Easy to pay online

2.3. Website Main Modules

2.3.1. System Access

- **Login**
  - Allow the user to login successfully using email so that the user can complete payment process
- **View User Profile**
  - Allow the user to view profile info and edit email, add new address and check latest orders
- **Change Password**
  - Allow the user to change the password using the email
- **Logout**
  - Allow the user to logout

2.3.2. Search for product

- **Auto complete**
  - Allow the user to write and the search engine suggests results so that the user can choose easily from it Also, allow the user to search in Arabic and English
- **View recent search**
  - Allow the user to view latest search history before typing any word in search engine
- **View search icon**
  - Allow the user to easily press on search icon

2.3.3. View main and sub category

- **View main category**
  - Allow the user to view main categories in website such as cookers, televisions and others Also, ease of navigation between different categories
- **View sub category**

○ Allow the user to view sub categories from nav bar and from internal page of main categories Also, easy to scroll down and navigate between pages

2.3.4. Apply filters in main and sub categories

- **Apply filter price**
  - ○ Allow the user to easily apply filter over price started from 0 to the largest price in this category Also, the filter is auto applied once you move the cursor of the price
- **Apply filter category**
  - ○ Allow the user to apply filter over sub category such as sub categories of cooker [5 burners, 4 burners, 5 burner (80cm)…etc]
- **Apply filter color**
  - ○ Allow the user to easily apply filter over color of chosen device according to the available colors on that device category
- **Apply filter power**
  - ○ Allow the user to apply filter power to choose the ability of the device This filter appears according to device like air conditioners

2.3.5. Sort By

- **Apply high to low filter**
  - ○ Allow the user to easily sort products according to their price from highest product in chosen category to lowest priced Also, easy of navigation across pages after applying filter
- **Apply low to high filter**
  - ○ Allow the user to apply filter over sub category such as sub categories of cooker [5 burners, 4 burners, 5 burner (80cm)…etc]

2.3.6. View product details

- **View product price**
  - ○ Allow the user to easily view product price before, after discount and discount value Also, allow the user to easily check the product price details without open the product
- **View product description**

- ○ Allow the user to easily view product description written in both Arabic and English language and beside the description multiple images for product
- **View product specification**
  - ○ Allow the user to get more info about the device in case of cooker the user can easily know the width, height, safety and number of burners …etc. All these specification are sorted in table and the specified data changes according to the device
- **Compare product**
  - ○ Allow the user to compare between products from same category Also, the user can view table of comparison for each device specification
- **View related products**
  - ○ Allow the user to view related products to the opened one

2.3.7.   Add product to the cart

- **Increase/decrease quantity**
  - ○ Allow the user to increase/ decrease product quantity inside the cart and update cart items, subtotal and total price automatically with each operation
- **Limitation over quantity**
  - ○ Allow the user to see alert whenever product is out of stock and when product is low in stock the user can view this before adding to cart Also, set limit over quantity when product is low in stock [for example the user increases the quantity and quantity isn't closed and user cannot click]
- **View cart items**
  - ○ Allow the user to view all added products sorted from oldest to the newest
- **Apply coupon**
  - ○ Allow the user to add valid coupon and send validation message when coupon is incorrect
- **Add to wish list**
  - ○ Allow the user to add product to wish list and once you do this wish list is updated
- **Delete product**

- Allow the user to delete product from the cart and auto update cart items and price

2.3.8. Checkout and payment process

- **Add address**
  - Allow user to create address with city and area Also the user can add multiple addresses and select which address to deliver to
- **Apply coupon**
  - Allow the user to add valid coupon and send validation message when coupon is incorrect
- **View order details**
  - Allow the user to view summary of the order such as product quantity, subtotal, total, user address, choose payment method
- **Choose payment method**
  - Allow user to choose payment method and give various method for this by visa, valu, bank installment, cash on delivery

2.3.9. View home banner

- **Latest offer**
  - Allow user to view home banner of SmartBuy latest offer, apply filters, sort, add to wish list and others

2.3.10. Place order

- **Send confirmation email**
  - Allow user to receive confirmation mail after order is placed successfully
- **View order**
  - Allow the user to view the orders in section my orders with label active order
- **Track order**
  - Allow user to track the order whenever order status changed
- **Product stock**
  - Allow user to track the order whenever order status changed

3.   Test Cases Creation

- Create test cases to cover the main functionalities of the online shopping website, including but not limited to:
    - User registration and login
    - Product browsing and search
    - Adding products to the cart
    - Cart management (updating quantities, removing items)
    - Checkout process (address input, payment methods)
    - User profile management
    - Order history viewing
    - Contacting customer support

- Each test case should include:
    - Test case ID
    - Test case title/description
    - Preconditions
    - Test steps
    - Expected results
    - Test data (if applicable)
    - Test environment setup (if applicable)

- Test cases should cover positive and negative scenarios, boundary conditions, and potential error handling

4.   Document Format

Use a spreadsheet or document to organize and present your test cases clearly

5.   Deliverables

- Completed test case document containing a comprehensive set of test cases for the online shopping website.
- Any additional notes or considerations regarding the test cases created.

6. Evaluation Criteria

- **Coverage:** The extent to which test cases cover the main functionalities of the online shopping website.
- **Clarity:** The clarity and completeness of each test case, including clear steps and expected results.
- **Accuracy:** The accuracy of test steps and expected results, ensuring they align with the website's functionality.
- **Creativity:** The ability to think creatively and identify potential edge cases and scenarios for testing.
- **Time Management:** The ability to manage time effectively to create a sufficient number of test cases within the allocated time frame