

## **ASSIGNMENT – 7**

### **1) PREPARE A DOCUMENT IN MS WORD WITH FOLLOWING :**

#### **E-COMMERCE SITE (LOGIN, PRODUCTS, ADD TO KART)**

##### **1. LOGIN PAGE**

- I. Users will land on the login page to access their accounts.
- II. Fields for username/email and password.
- III. Option for users to sign up if they are new.
- IV. "Forgot Password" link for password recovery.

##### **2. PRODUCT BROWSING**

- I. After logging in, users will be directed to the product browsing page.
- II. Categories and filters to narrow down product selection.
- III. Thumbnail images and brief descriptions of products.
- IV. "View Details" option to see more information about a product.
- V. Pagination or infinite scroll for large product catalogs.

##### **3. PRODUCT DETAILS PAGE**

- I. Detailed description of the selected product.
- II. High-resolution images showcasing the product.
- III. Price display and any available discounts.
- IV. Option to select product variations (size, color, quantity).
- V. "Add to Cart" button to add the product to the shopping cart.

##### **4. SHOPPING CART**

- I. A summary of items added to the cart.
- II. Option to update quantity or remove items.
- III. Subtotal calculation and display.
- IV. "Proceed to Checkout" button to initiate the checkout process.

## **5. CHECKOUT PROCESS**

- I. Billing and shipping information entry forms.
- II. Payment method selection (credit card, PayPal, etc.).
- III. Order summary review before finalizing the purchase.
- IV. Confirmation page after successful purchase completion.

## **USABILITY TESTING**

### **Purpose:**

- Evaluate how user-friendly the website is.
- Identify any usability issues that may affect the user experience.

### **Steps:**

- Define Test Scenarios: Determine key user tasks (e.g., logging in, searching for a product, adding items to the cart).
- Recruit Test Participants: Gather a diverse group of users to represent your target audience.
- Conduct Tests: Have participants perform the defined tasks while observing their interactions.
- Collect Feedback: Gather feedback from participants about their experience, focusing on ease of use, intuitiveness, and any difficulties encountered.
- Analyze Results: Identify common pain points and areas for improvement based on user feedback.

### **Example Usability Issues:**

- Confusing navigation or labeling.
  - Unclear instructions or error messages.
  - Difficulty in completing common tasks.
  - Inconsistent design elements.
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# SMOKE TESTING

## Purpose:

- Verify that the essential functionalities of the website are working as expected.
- Identify critical issues early in the development process.

## Steps:

- Identify Critical Functionality: Determine key features and functionalities crucial for the website's basic operation (e.g., login, product browsing, adding items to the cart).
- Create Test Cases: Develop test cases to verify the functionality of each critical feature.
- Execute Tests: Perform the tests to ensure that the essential functionalities are working without errors.
- Review Results: Analyze the test results to identify any failures or abnormalities.
- Report Issues: Document any issues found during testing and communicate them to the development team for resolution.

## Example Smoke Test Cases:

- Verify that users can successfully log in with valid credentials.
- Confirm that product thumbnails are displayed correctly on the browsing page.
- Test adding items to the cart and checking that the cart updates accordingly.

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# UI TESTING

## Purpose:

- Evaluate the visual appearance and layout of the website.
- Ensure consistency and adherence to design standards.

## Steps:

- Review Design Specifications: Refer to the design documents and style guides to understand the expected UI elements and layout.

- **Inspect UI Elements:** Check the placement, size, color, and styling of UI components such as buttons, forms, and navigation menus.
- **Verify Responsiveness:** Test the website across different devices and screen sizes to ensure that the UI adapts appropriately.
- **Evaluate User Feedback:** Gather feedback from users or stakeholders regarding the visual appeal and usability of the UI.
- **Document Findings:** Note any discrepancies or deviations from the design standards for further review and correction.

### **Example Ui Testing Criteria:**

- Consistency in font styles and sizes throughout the website.
  - Alignment and spacing of elements for a clean and organized layout.
  - Responsiveness of the website on various devices, including desktops, tablets, and smartphones.
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## **TEST CASES FOR E-COMMERCE WEBSITE**

### **1. Login Functionality**

#### **Test Case 1: Verify Successful Login**

Description: Ensure users can log in with valid credentials.

#### **Steps:**

- Navigate to the login page.
- Enter valid username/email and password.
- Click the "Login" button.
- **Expected Result:** User should be successfully logged in and redirected to the homepage.

#### **Test Case 2: Verify Error Handling For Invalid Credentials**

Description: Confirm appropriate error message is displayed for invalid login attempts.

#### **Steps:**

- Navigate to the login page.
- Enter invalid username/email and/or password.

- Click the "Login" button.
- Expected Result: Error message should be displayed indicating invalid credentials.

## **2. Product Browsing**

### **Test Case 3: Verify Product Display**

Description: Ensure products are displayed correctly on the browsing page.

#### **Steps:**

- Navigate to the product browsing page.
- Check for thumbnails, product names, and prices.
- Expected Result: All products should be displayed with accurate information.

### **Test Case 4: Verify Filter Functionality**

Description: Confirm users can filter products by category or other criteria.

#### **Steps:**

- Apply a filter (e.g., by category, price range).
- Check that only relevant products are displayed.
- Expected Result: Products matching the filter criteria should be shown, while others are hidden.

## **3. Adding Items To Cart**

### **Test Case 5: Verify Adding Item To Cart**

Description: Ensure users can add items to the cart successfully.

#### **Steps:**

- Navigate to the product details page.
- Click the "Add to Cart" button for a specific product.
- Expected Result: Product should be added to the cart, and the cart icon should reflect the updated quantity.

### **Test Case 6: Verify Cart Functionality**

Description: Confirm users can view and manage items in the cart.

#### **Steps:**

- Click on the cart icon to view the cart page.
- Verify the added product is displayed with correct details.
- Attempt to update quantity or remove the product.
- Expected Result: Users should be able to modify the cart contents as expected.