Lab 8: Acceptance Test Plan

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Subject: Software Testing Methodologies (SENG8041)

➔ Acceptance Test Plan

- **Title:**
  DemoBlaze E-Commerce Website Acceptance Test Plan

- **Objective:**
  The objective of this test plan is to validate the core functionalities of the DemoBlaze e-commerce website, ensuring it meets user expectations for usability, functionality, and reliability. The product is targeted at general users seeking to purchase electronic devices online.

- **Introduction:**
  DemoBlaze is an e-commerce platform where users can browse, add products to their cart, and complete purchases.

- **User Stories:**
  Acceptance test focuses on two user stories:
    1. As a user, I want to sign up and log in to my account so that I can access personalized features.
    2. As a user, I want to add items to my cart and complete the checkout process so that I can purchase products conveniently.

- **Acceptance Criteria:**
    o The system should allow users to add items to the cart, proceed to checkout, and receive confirmation upon purchase.
    o The system should allow users to log in with valid credentials and access their account dashboard.

- **Operational Environment**
  - **Browser Compatibility:** Chrome, Firefox, Edge
  - **OS Compatibility:** Windows 10, macOS, Android, iOS
  - **Network Requirements:** Stable internet connection with a minimum speed of 5 mbps.

- **Test Case Specification**

TC_ID	Testcase Title	Test Objective	Test Procedure
TC_01	User Sign-Up	Validate that users can successfully create an account.	Navigate to the sign-up page, enter valid details, submit the form, and verify account creation.
TC_02	User Login	Verify that users can log in with valid credentials.	Navigate to the login page, enter valid credentials, submit the form, and confirm successful login.
TC_03	Add Product to Cart	Ensure users can add products to their cart.	Log in, browse products, select a product, click "Add to Cart," and verify it appears in the cart.
TC_04	Checkout Process	Validate that users can complete a purchase successfully.	Log in, add a product to the cart, proceed to checkout, fill payment details, and confirm purchase.

→ Acceptance Test Report

- **Test Execution Summary**
  - **Tested Components:** Checkout process, User authentication
  - **Tested Environment:** Chrome (Windows 10), Firefox (macOS)
  - **Stakeholders:** Project Manager (Jane Doe), QA Lead (John Smith), Business Analyst (Alex Lee)
  - **Testing Date:** March 24, 2025

- **Issues Discovered:**

Issue	Title	Severity	Steps	Expected Result	Actual Result
Issue_01	Checkout button becomes unresponsive after entering card details.	High	1. Add a product to the cart 2. Proceed to checkout 3. Enter payment details 4. Click 'Place Order'.	Order should be placed successfully	The button does not respond, preventing order completion.
Issue_02	Login fails with valid credentials occasionally.	Medium	1. Attempt to log in using valid credentials.	User should be logged in successfully.	Login fails intermittently with an "Invalid credentials" message.

→ Acceptance Test Summary Report

- **Test Summary:**
  - Testing was conducted on the Demoblaze website, focusing on user checkout and authentication.
  - The objective was to verify whether users can successfully complete purchases and log in.
  - Two issues were identified during testing.

- **Variances:**
  - Checkout button failure prevents users from completing purchases.
  - Login inconsistencies cause occasional failures.

- **Recommendations:**
  - Investigate and fix the checkout button issue to ensure a seamless purchasing experience.
  - Improve login session handling to reduce authentication failures.

- **Test Completion Criteria:**
  - Fix the reported issues and retest before considering the system ready for acceptance.