### **Test Scenarios Overview**

#### **1. Navigation and Page Consistency**

* **Test Case TC-1.1 (Verify Navigation Between Pages)**: Passed
* **Test Case TC-1.2 (Verify Navigation Back to Homepage)**: Passed
* **Test Case TC-1.3 (Verify Footer Links)**: Passed
* **Test Case TC-1.4 (Verify Breadcrumb Navigation)**: Passed

#### **2. UI Components (Buttons, Images, Forms)**

* **Test Case TC-2.1 (Validate Login Button)**: Passed
* **Test Case TC-2.2 (Verify Image Loading)**: Passed
* **Test Case TC-2.3 (Verify Form Validation)**: **Failed** – No error message for empty fields.
* **Test Case TC-2.4 (Verify Password Field Masking)**: Passed
* **Test Case TC-2.5 (Verify Reset Button Functionality)**: **Failed** – Reset button not present.

#### **3. Dynamic Elements (Dropdowns, Popups, Modals)**

* **Test Case TC-3.1 (Validate Dropdown Menu)**: Passed
* **Test Case TC-3.2 (Validate Popups and Modals)**: Passed
* **Test Case TC-3.3 (Test Dynamic Content Loading)**: **Failed** – No new content loaded after scroll.
* **Test Case TC-3.4 (Verify Tooltip Text)**: Passed

#### **4. Cross-Browser and Responsive Compatibility**

* **Test Case TC-4.1 (Test Compatibility on Different Browsers)**: Passed
* **Test Case TC-4.2 (Verify Mobile Responsiveness)**: Passed
* **Test Case TC-4.3 (Test Mobile Navigation with Touch)**: Passed
* **Test Case TC-4.4 (Test Screen Orientation Change on Mobile Devices)**: Passed

#### **5. Core Functionalities**

* **Test Case TC-5.1 (Verify Login Functionality)**: Passed
* **Test Case TC-5.2 (Verify Logout Functionality)**: Passed
* **Test Case TC-5.3 (Verify Error Handling for Invalid Login)**: Passed
* **Test Case TC-5.4 (Verify User Session Timeout)**: **Failed** – Session does not timeout after inactivity.
* **Test Case TC-5.5 (Verify Forgot Password Functionality)**: Passed
* **Test Case TC-5.6 (Verify Password Strength Validation)**: **Failed** – Password strength indicator does not work.

### **Bug Report Overview**

Several defects were identified during the testing process. Below are the details of the bugs:

#### **1. Bug ID: BR-001 (Form Validation Not Displaying Error Messages)**

* **Description**: Form validation did not show an error message when both "Username" and "Password" fields were left empty (TC-2.3).
* **Severity**: High
* **Status**: Open
* **Priority**: High
* **Assigned To**: Developer

#### **2. Bug ID: BR-002 (Reset Button Does Not Clear Fields)**

* **Description**: The "Reset" button was missing from the login page, preventing it from clearing input fields (TC-2.5).
* **Severity**: Medium
* **Status**: Open
* **Priority**: High
* **Assigned To**: Developer

#### **3. Bug ID: BR-003 (Dynamic Content Not Loading After Scroll)**

* **Description**: New content did not load after scrolling on the dashboard page (TC-3.3).
* **Severity**: High
* **Status**: Open
* **Priority**: Medium
* **Assigned To**: Developer

#### **4. Bug ID: BR-004 (User Session Not Expiring After Timeout)**

* **Description**: User session did not expire after the defined timeout period (TC-5.4), creating a potential security issue.
* **Severity**: Critical
* **Status**: Open
* **Priority**: High
* **Assigned To**: Developer

#### **5. Bug ID: BR-005 (Password Strength Indicator Not Reflecting Password Strength)**

* **Description**: The password strength indicator failed to reflect the strength of weak or strong passwords (TC-5.6).
* **Severity**: Medium
* **Status**: Open
* **Priority**: Medium
* **Assigned To**: Developer

### **Conclusion**

From the test cases executed, **5 test cases failed**, and **5 defects were identified**. The most critical issues include the missing user session timeout (BR-004) and the non-functioning form validation error messages (BR-001). Immediate attention should be given to fixing these critical bugs to ensure the application meets its expected functionality and security standards.

The remaining test cases related to UI, navigation, and compatibility passed successfully, indicating that most of the core functionalities are intact.