### **Test Summary Report**

#### **Overview:**

The test cases and bug reports cover validation, UI functionality, and system behavior for a web-based application. The focus is primarily on the signup process, password-related functionality, and UI interactions.

### **Summary of Findings:**

* **Total Test Cases Executed:** 50
* **Total Bugs Identified:** 16

### **Bug Severity Distribution:**

* **Critical:** 2
* **Major:** 10
* **High:** 1
* **Minor:** 2
* **Low:** 1

### **Bug Categories:**

* **Validation Issues (7 Bugs)**
  + Missing validation for mandatory fields, invalid characters, invalid email, and password mismatch.
  + Acceptance of invalid income values and zero as income.
* **UI/UX Issues (4 Bugs)**
  + Missing navigation for the back button and logo as a home button.
  + Missing star indicator for mandatory fields.
  + The password visibility toggle is not working.
  + Missing logout button in the UI
* **Functionality Issues (3 Bugs)**
  + The system allows duplicate email registration.
  + There is no suggestion for stronger passwords.
  + The CSV import feature is working as expected (positive behavior).
* **Sorting & Data Behavior (1 Bug)**
  + Transactions are need to be sorted correctly by date.

### **Positive Behavior:**

* The logo is displayed correctly on the dashboard.
* CSV data is imported and displayed correctly.
* The error message is shown for duplicate email entries and zero income.

### **Key Recommendations:**

1. **Priority Fixes:**
   * Address **critical validation issues**, particularly invalid email handling (BUG003) and mismatched passwords (BUG005).
   * Fix UI bugs impacting user experience, such as the back button (BUG006) and password visibility toggle (BUG015).
2. **Enhancements:**
   * Add password strength suggestions and implement star indicators for mandatory fields to improve usability.
   * To avoid data corruption, validate inputs thoroughly for name fields, income, and password fields.
3. **Retest:**
   * Retest all fixed bugs to ensure the implemented changes work as expected.
4. **UI/UX Review:**
   * Review the navigation and user interface for consistency and functionality improvements.

### **Test Summary Statistics:**

| **Category** | **Count** |
| --- | --- |
| Total Bugs | 16 |
| Fixed Bugs | 0 |
| Open Bugs | 16 |
| Retests Required | 16 |