**Test Plan for XYZ Bank Application**

**1. Display Tests**

**1.1 Login Screen**

* **Title:** Verify the presence and correctness of the title on the login screen.
* **Home Button:** Confirm that the home button is displayed and functional.
* **Buttons:**
  + **Customers:** Check if the "Customers" button is present.
  + **Open Account:** Verify the presence of the "Open Account" button.
  + **Add Customer:** Confirm the existence of the "Add Customer" button.

**1.2 Customers Screen**

* **Customer List Table:** Check if the customer list table is displayed with the necessary details.
* **Search Bar:** Verify the functionality of the search bar in each row.
* **Delete Button:** Confirm that a delete button exists in each row.

**1.3 Open Account Screen**

* **Customer Selection:** Ensure the ability to choose a customer from the list.
* **Currency Selection:** Verify the availability of a list for currency selection.
* **Process Button:** Confirm that the "Process" button is functional.

**1.4 Add Customer Screen**

* **Customer Form:** Verify that the form contains necessary fields (e.g., First Name, Last Name, Post Code).
* **Customer Login Button:** Check if the "Customer Login" button is functional with a list of available names.
* **Bank Manager Login Button:** Confirm that the "Bank Manager Login" section contains fields for First Name, Last Name, and Post Code.
* **Add Customer Button:** Ensure the functionality of the "Add Customer" button.

**2. Functional Tests**

**2.1 Login Screen**

* **Home Button Navigation:** Verify that clicking the "Home" button always returns to the home screen.

**2.2 Customers Screen**

* **Search Functionality:** Test the search functionality in the search bar using various inputs.
* **Customer Deletion:** Confirm that the customer deletion button removes the respective customer.

**2.3 Open Account Screen**

* **Account List:** Check if the account list is populated correctly.
* **Currency List:** Verify that the currency list is displayed as expected.

**2.4 Add Customer Screen**

* **Customer Login:**
  + Verify the functionality of the "Your Name" dropdown list.
* **Bank Manager Login:**
  + Check if the "Add Customer" button successfully adds a customer with the provided details.

**3. Additional Tests**

* **Security Tests:**
  + Ensure proper authentication and authorization mechanisms.
  + Check for any vulnerabilities in data transmission.
* **Performance Tests:**
  + Evaluate the response time of the application under normal and peak loads.
  + Confirm that the application can handle a reasonable number of simultaneous users. •
  + Assess the application's performance using Lighthouse: - Check performance, accessibility, error resilience, best practices, and cacheability. - Ensure that the scores meet standards and are properly configured. •
* **Compatibility Tests:**
  + Verify that the application functions correctly on various browsers and devices.
* **Error Handling Tests:**
  + Check how the application handles invalid inputs or unexpected errors.