# Unit Tests Summary for Personal Expense Tracker

1. **Expense Form Validation Tests**
   * **Objective**: Ensure accurate validation for user input fields.
   * **Description**: Tested that only positive numbers are accepted for the amount field, and categories must be selected.
   * **Outcome**: Passed - Form validation accurately restricts invalid entries and enforces required fields.
2. **Local Storage Data Persistence Tests**
   * **Objective**: Confirm that expense data is saved and retrieved correctly from localStorage.
   * **Description**: Simulated expense entries and verified data persistence across page reloads.
   * **Outcome**: Passed - All expense entries are correctly saved and retrieved from localStorage.
3. **Expense Summary Calculation Tests**
   * **Objective**: Verify that total and average expenses are calculated accurately.
   * **Description**: Tested calculateTotal and calculateAverage functions with mock expense data.
   * **Outcome**: Passed - Calculations for total and average expenses match expected results.
4. **Chart Data Rendering Tests**
   * **Objective**: Ensure that the chart accurately reflects stored expense data.
   * **Description**: Verified that the bar chart updates with correct data on adding or deleting expenses.
   * **Outcome**: Passed - The chart renders accurate data, updating dynamically with changes.
5. **Expense Deletion Functionality Tests**
   * **Objective**: Test the deletion functionality to confirm expenses are removed as expected.
   * **Description**: Checked that deleting an expense updates localStorage and removes it from the chart and list.
   * **Outcome**: Passed - Expenses are deleted correctly and removed from all relevant components.