**Test Cases and Testing Code**

* Unit tests for activity creation, editing, deletion, and completion state toggling.
* LocalStorage integration testing to verify data persistence.
* UI interaction testing to ensure proper functionality.

**Test Cases**

* **Test Case 1: Creating an Activity**
  + **Input:** User enters "Buy groceries" and clicks "Add Activity."
  + **Expected Output:** "Buy groceries" appears in the activity list.
  + **Actual Output:** (To be observed during testing)
* **Test Case 2: Marking an Activity as Complete**
  + **Input:** User clicks the checkbox for "Buy groceries."
  + **Expected Output:** "Buy groceries" is marked as complete and displayed with a strikethrough.
  + **Actual Output:** (To be observed during testing)
* **Test Case 3: Editing an Activity**
  + **Input:** User clicks "Edit" for "Buy groceries" and changes it to "Buy vegetables."
  + **Expected Output:** "Buy groceries" is updated to "Buy vegetables" in the list.
  + **Actual Output:** (To be observed during testing)
* **Test Case 4: Deleting an Activity**
  + **Input:** User clicks "Delete" for "Buy groceries."
  + **Expected Output:** "Buy groceries" is removed from the activity list.
  + **Actual Output:** (To be observed during testing)
* **Test Case 5: Data Persistence**
  + **Input:** User adds "Exercise" and refreshes the page.
  + **Expected Output:** "Exercise" remains in the activity list after refresh.
  + **Actual Output:** (To be observed during testing)