**Detailed Acceptance Criteria (AC) for** the User Story: "As a user, I should be able to manage my todos effectively."

**Scope:** The scope of this user story includes providing the user with the functionality to create, view, mark as completed, and clear todos within the application.

Acceptance Criteria:

1. The user should be able to add a new todo item.

2. Each todo item should have a text.

3. The user should be able to view a list of all todo items.

4. The user should be able to mark a todo item as completed.

5. The user should be able to delete a todo item

6. The user should be able to filter active and completed todo items .

7. The user should be able to clear completed Todos from list.

8. The user should get information of how many items are left.

**Overview of your implementation strategy**

My testing approach is validate the story stories against the acceptance criteria mentioned above . and Hybrid automation testing approach

1. **Requirement Analysis:** Understanding the **user stories and its acceptance criteria.**

2. **Test Planning:** Planning the test as per acceptance criteria of the user stories

3. **Test Case Design:** Developing test cases based on various scenarios, including positive, negative to ensure thorough test coverage. I used **Selenium, Java , TestNG**. Please refer to automated tests

4. **Test Execution:** Actively running the designed test cases on the application to identify any deviations from expected behaviour. This involves both manual and automated testing techniques.

5. **Defect Reporting:** The defects are listed in the defect trackers in terms of severity.

6. **Performance Testing:** Evaluating the application's performance under different load conditions to ensure it can handle expected user traffic without performance degradation. I will use **JMeter**

7. **Security Testing:** Assessing the application's security measures to identify and address any vulnerabilities that could compromise data integrity or user privacy. I will use **synk** for security application

8. **Documentation**: Documenting the testing process, including test plans, test cases, test results, and any other relevant information, to maintain a record and facilitate future reference. **Documentation will be done on jira or confluence**