TUTORIAL 1

Design and Document Test Cases for a Downloaded Sample Project

Aim:

To design and document systematic test cases for a downloaded sample software project to ensure its functional correctness.

Objective:

- Understand the functionality and modules of a software project.

- Identify inputs, expected outputs, and design structured test cases.

- Apply software testing techniques such as black-box testing.

- Create a test case document for manual or automated execution.

Sample Project Used:

To-Do List Web App

Project Features:

- Add task

- Edit task

- Delete task

- Mark task as completed

- View pending/completed tasks

Sample Test Cases for "To-Do List" Project

- **Test Case 1: Add New Task**

Field	Details
TC ID	TC_01
Description	Verify if a new task can be added successfully
Precondition	User is on the home page of the To-Do app
Test Steps	1. Enter task name in input box2. Click "Add" button
Test Data	Task Name: "Submit Assignment"
Expected Result	Task "Submit Assignment" is added to the task list
Actual Result	As Expected
Status	Pass ✅

◆ Test Case 2: Add Empty Task

Field	Details
TC ID	TC_02
Description	Verify behavior when trying to add a blank task
Precondition	User is on the To-Do app page
Test Steps	1. Leave input box empty2. Click "Add"
Test Data	Task Name: ""
Expected Result	Error message or no action
Actual Result	As Expected
Status	Pass ✅

◆ Test Case 3: Mark Task as Completed

Field	Details
TC ID	TC_03
Description	Verify marking a task as completed
Precondition	Task is already added to the list
Test Steps	1. Click on checkbox next to task
Test Data	Task: "Submit Assignment"
Expected Result	Task status changes to completed
Actual Result	As Expected
Status	Pass ✅

◆ **Test Case 4: Delete a Task**

Field	Details
TC ID	TC_04
Description	Verify if a task can be deleted
Precondition	Task is present in list
Test Steps	1. Click on delete (🗑) button for the task
Test Data	Task: "Submit Assignment"
Expected Result	Task is removed from list
Actual Result	As Expected
Status	Pass ✅

◆ **Test Case 5: Edit Task**

Field	Details
TC ID	TC_05
Description	Verify editing an existing task
Precondition	Task is available in list
Test Steps	1. Click Edit icon2. Modify text3. Click Save
Test Data	Old: "Submit Assignment"New: "Submit Final Assignment"
Expected Result	Task text is updated
Actual Result	As Expected
Status	Pass ✅