**Test Plan for TODO Application**

# Test Environment

* Browser: Chromium family
* Operating System: Ubuntu

# Test Scope

## In-Scope

This test plan covers the testing of only happy paths for the below functionalities of TODO application.

* Task creation
* Task Edit
* Task Status
* Task Deletion
* Task Status views

## Out-Of-Scope

This test plan doesn’t cover the testing of negative scenarios for the below functionalities of TODO application.

* Task creation
* Task Edit
* Task Status
* Task Deletion
* Task Status views

# Test Approach

## Functionality Testing

1. **Task Creation**

* User should be able to add a new task.
* Newly created task should be visible under the All and Active status tabs.

1. **Task Edit**

* User should be able to edit an existing task by double clicking on it.
* Changes made to the task should be saved and reflected in the task list.

1. **Task Status**

* User should be able to mark an active task as complete.
* Completed tasks should be displayed only under completed status tab.
* User should be able to change the status of a completed task as active.
* Task status changed from complete to active should be displayed only under all and active status tabs.

1. **Task Deletion**

* User should be able to delete any tasks by clicking on “X” mark.
* User should be able to delete all the completed tasks at once by clicking on “Clear Completed” button.
* Deleted tasks should not be displayed under All/Active/Completed status tabs.

1. **Task Status Views**

* User should be able to view all (active and completed) tasks under all status tab.
* User should be able to view only active tasks under active status tab.
* User should be able to view only completed tasks under completed status tab.

## Test Use Cases

**Feature: Task Deletion**

* Given there is a task "Walk the dog" in the task list
* When the user deletes "Walk the dog" task
* Then "Walk the dog" task should be removed from the task list

**Feature: Task Edit**

* Given there is a task "Pay electric bill" in the task list
* When the user edits “Pay electric bill" with new description as “Pay latest electricity bill”
* Then “Pay electric bill” task should be updated as “Pay latest electricity bill”
* And the changes should be reflected in the task list

# Test Strategy

## Types of Testing

Below tests are advisable to have for TODO application:

* Component testing
* Integration testing
* System testing
* Acceptance testing
* Smoke testing
* Sanity testing
* Regression testing

## Test Entry and Exit Criteria

Entry criteria to start the execution phase of the test and Exit criteria for completing the test.

1. **Entry criteria:**

* Test environment(s) is available
* Test data is available
* Code has been merged successfully
* Development has completed unit testing
* Test scripts are completed, reviewed and approved by the Project Team

1. **Exit criteria:**

* 100% Test Scripts executed
* 90% pass rate of Test Scripts
* No open Critical and High severity defects
* All remaining defects are either cancelled or documented as Change Requests for a future release
* Test execution report with all expected and actual results are captured and documented with the test script

1. **Test suspension criteria:**

* On executing smoke test suite, if defects are found which blocks happy path, QA team can hold the execution until the blocker defects are fixed by the development team.
* If Regression test suite execution status is 40% failed, then QA team can suspend the execution until the failed test cases are addressed by the Development team.

**Bug Report**

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | **Type** | **Severity** | **Priority** |
| Select all icon is showing pointer. Should be changed to hand glove as it is clickable | Bug | Low | High |
| Radio button is showing pointer. Should be changed to hand glove as it is clickable | Bug | Low | High |
| Select/Unselect all icon should be changed to checkbox instead of down arrow mark, as down mark is giving a sense of collapsible/expandable functionality | Bug | Low | High |
| checkbox should be used instead of radio button for the tasks as they are multi select | Bug | Low | High |
| status view buttons background can be color filled to give more clear visibility to the user | Enhancement |  |  |
| user responsive message for task creation, deletion and update can be added | Enhancement |  |  |
| Edit icon/on hover tooltip can be added for each task instead of double click for better UX | Enhancement |  |  |
| On hover tooltips can be added for each status view buttons to give a clear information to the user about each status | Enhancement |  |  |