# To-Do List Web Application

## 1. Brief Test Plan:

**-Objective:**
Ensure that the To-Do list web application functions is working as expected such as adding, editing, marking as completed, checking calendar, and deleting any item from the list. We have to make sure that the web app meets usability, boundary, and design standards.

**-Scope:**

- Functional Testing: Add, edit, complete, and delete tasks.

- UI Testing: Layout, button placement, responsiveness

- Boundary Testing: Input length, invalid inputs

- Browser compatibility (basic).

**- Test Environment:**

- Browser: Chrome Version 138.0.7204.158.

- OS: Windows 10.

- Tools: Intellij, Excel word for test plan, test cases and bug report.

## 2. Test Cases:

| Functional Test cases | | | |
|---|---|---|---|
| **TC ID** | **Title** | **Steps** | **Expected results** |
| TC-F01 | Verify that user can create an account. | 1- Open app<br>2- Type valid email<br>3- Type valid password<br>4- Click sign up button | User creates an account successfully. |
| TC-F02 | Verify that user can login successfully with his credentials. | 1- Open app<br>2- Type registered email<br>3- Type registered password<br>4- Click log in button | User login successfully. |
| TC-F03 | Verify that user can't login with invalid credentials. | 1- Open app<br>2- Type invalid email<br>3- Type invalid password<br>4- Click log in button | User can't login. |
| TC-F04 | Verify that user can add new task. | 1- Open app<br>2-Type "Eyego Task"<br>3- Click "Add Task" button | New Task appears in the list. |
| TC-F05 | Verify that user can edit any task. | 1-After Adding task.<br>2- Click on task.<br>3- Edit text. | Task text updated. |

| TC-F06 | Verify that user can mark any task as completed. | 1-After Adding task<br>2- Click checkbox. | Task marked with strike-through. |
|---|---|---|---|
| TC-F07 | Verify that user can delete any task. | 1- Open task.<br>2- Click "Delete" button. | Task is removed from the list. |
| TC-F08 | Verify that confirmed deleted message will display. | 1- Open task.<br>2- Click "Delete" button.<br>3- Check confirmation message. | Confirmation message with delete or No. |
| TC-F09 | Verify that user can search on any task. | 1- Open app.<br>2- Click "Search" button<br>3- Type "Eyego Task" | Searched task will be displayed. |
| TC-F10 | Verify that user can check upcoming tasks calendar. | 1-Click on "upcoming" button | Calendar will be displayed with upcoming tasks. |
| TC-F11 | Verify that user can check all completed tasks list. | 1-Click on "completed" button | Displayed all completed tasks list only. |
| TC-F11 | Verify that user can add description to any task. | 1-Open any task.<br>2-Check description field. | Displayed description field. |
| **UI Test cases** | | | |
| TC-UI01 | Verify that all buttons displayed properly. | 1-Open app.<br>2- Check buttons. | "Add", "Edit", and checkbox are visible. |
| TC-UI02 | Verify that there is input field placeholder. | 1-Inspect input textbox. | Placeholder text is present ("Add task"). |
| TC-UI03 | Verify that responsive design | 1-Resize browser window | Elements adapt to screen size |
| TC-UI04 | Verify that the app layout is displayed properly. | 1-Check app layout | Proper App layout. |
| TC-UI05 | Check the font consistency | 1-Check all labels, headers, todo list. | Fonts are consistent across the app. |
| TC-UI06 | Check text spelling. | 1-Observe text spelling. | All words displayed |
| TC-UI07 | Check the displayed app language | 1-Check the app language | UI text is displayed in the selected language |
| TC-UI08 | Check the correctness of text alignment | 1-Check text labels and buttons | All text is properly aligned (left, center, right as designed) |
| TC-UI09 | Check the effects of hover on buttons or text. | 1-Hover over buttons and text. | Buttons or text show visual feedback (color change, underline, etc.) |
| TC-UI010 | Check the visibility of error message. | 1-Enter invalid input. | Proper error message is displayed clearly. |
| TC-UI011 | Check the app color contrast | 1-Check app on light/dark mode | Text is readable with proper color contrast. |
| TC-UI012 | Check the scroll behavior | 1-Type long task<br>2-Check the scrollbar. | Scrollbar appears and working properly |
| TC-UI013 | Check the default focus on input field. | 1-Load page.<br>2-Try to Focus | Indicator is focused in the task input box. |
| TC-UI014 | Check the app logo | 1-Check logo | App logo is visible correctely. |

| TC-UI015 | Check the app visibility on mobile | 1-open app on mobile resolution. | All displayed features appear and working properly. |
|---|---|---|---|
| **Boundary Test cases** | | | |
| TC-B01 | Check the max length of Add task input. | 1-Enter 255 characters 2-Click "Add" | Task added successfully. |
| TC-B02 | Verify that user can't dd task with empty input | 1-Leave input blank 2-Click "Add" | Displayed error message and task not added. |
| TC-B03 | Verify that user can't Add task with 1 character | 1-Type 1 character. | Task will be added. |
| TC-B04 | Verify that user can't Add task exceeded the max length. | 1-Enter 600 characters. 2-Click "Add". | Displayed error message with exceeded the max length. |
| TC-B05 | Verify that user can't add task with space only. | 1-Enter space only 2-Click "Add" | Displayed error message. |
| TC-B06 | Check the max number of displayed tasks. | 1-Add tasks until scroll is needed (e.g., 50 tasks) | Scroll appears and UI still stable. |

## 2. Bug Report Template:

| Bug ID | Title | Description | Steps | Expected results | Actual Results | Priority | Severity | Environment | Attach |
|---|---|---|---|---|---|---|---|---|---|
| B-01 | Add Tasks allows empty input | When user submit empty task, app accepts his submission. | 1-Open app. 2-Leave input empty. 3-Click Add | Displayed error message with empty input. | Empty task is added | High | Medium | Chrome 11 | NA |
| B-02 | "Delete" button doesn't work properly. | When user click on delete button to remove task, button doesn't work. | 1-Open App. 2-Click "delete" button | Task will be deleted | User can't remove Tasks. | High | Medium | Chrome 11 | NA |
| B-03 | Checked box for completed Tasks doesn't work. | When user mark checkbox button to mark task as completed, checkbox doesn't work. | 1-Open App. 2-Click "Checkbox" button | Task will be marked as completed. | User can't mark tasks as completed | High | Medium | Chrome 11 | NA |