# Homework: Test Management and Issue Tracking

## User Stories

Given the SRS for Task Board App, write user stories for each of the functionalities.

**User Stories**

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| **Functionality** | **User Story** |
| Home Page | As a user, I want to have Welcome Message. |
| Home Page | As a user, I want to have Side Menu. |
| Home Page | As a user, I want to have Task Summary Section. |
| Home Page | As a user, I want to have Quick Access Buttons. |
| Task Board Page | As a user, I want to have Task Board Page. |
| Task Creation | As a user, I want to have Task Creation. |
| Task Viewing | As a user, I want to have Task Viewing. |
| Task Editing | As a user, I want to have Task Editing. |
| Task Searching | As a user, I want to have Task Searching. |
| Search Results | As a user, I want to have Search Results. |
| Web API | As a user, I want to have Web API. |

**Test Cases**

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| **User Story** | **Test Case** |
| As a user, I want to have Welcome Message. | **1)** Log into the platform.  **2)** Check if the Welcome message is displayed as per design.  **Expected result:** The Welcome message is displayed as per design. |
| As a user, I want to have Side Menu. | **1)** Log into the platform.  **2)** Check if the Side Menu is existed on all pages.  **Expected result:** The Side Menu is existed on all pages. |
| As a user, I want to have Side Menu. | **1)** Log into the platform.  **2)** Check if the Side Menu is displayed as per design.  **Expected result:** The Side Menu is displayed as per design. |
| As a user, I want to have Task Summary Section. | **1)** Log into the platform.  **2)** Verify if the Task Summary Section is displayed total number of tasks available in the system.  **Expected result:** The Task Summary Section is displayed total number of tasks available in the system. |
| As a user, I want to have Task Summary Section. | **1)** Log into the platform.  **2)** Verify if the Task Summary Section is displayed summary of tasks organized by boards, the board name and the number of tasks associated with each board.  **Expected result:** The Task Summary Section is displayed summary of tasks organized by boards, the board name and the number of tasks associated with each board. |
| As a user, I want to have Quick Access Buttons. | **1)** Log into the platform.  **2)** Verify if below the Task Summary Section is existed quick access buttons for Task Board, Create Task, Search Tasks, and RESTful API.  **Expected result:** Below the Task Summary Section is existed quick access buttons for Task Board, Create Task, Search Tasks, and RESTful API. |
| As a user, I want to have Task Board Page. | **1)** Log into the platform.  **2)** Check if Task Board Page is organized by boards in grid layout.  **Expected result:** Task Board Page is organized by boards in grid layout. |
| As a user, I want to have Task Board Page. | **1)** Log into the platform.  **2)** Check if in Task Board Page, the boards are ordered as follows: Open, In Progress, Done.  **Expected result:** InTask Board Page, the boards are ordered as follows: Open, In Progress, Done. |
| As a user, I want to have Task Board Page. | **1)** Log into the platform.  **2)** Check if in Task Board Page, the each tasks are included title, description and action options such as "View" and "Edit".  **Expected result:** In Task Board Page, the each tasks are included title, description and action options such as "View" and "Edit". |
| As a user, I want to have Task Board Page. | **1)** Log into the platform.  **2)** Check if Task Board Page can be accessed from "Task Board" option from the side menu.  **Expected result:** Task Board Page can be accessed from "Task Board" option from the side menu. |
| As a user, I want to have Task Board Page. | **1)** Log into the platform.  **2)** Check if Task Board Page can be accessed from "Task Board" button from the quick access buttons.  **Expected result:** Task Board Page can be accessed from "Task Board" button from the quick access buttons. |
| As a user, I want to have Task Creation. | **1)** Log into the platform.  **2)** Verify if Task Creation can be accessed from "Create" option from the side menu.  **Expected result:** Task Creation can be accessed from "Create" option from the side menu. |
| As a user, I want to have Task Creation. | **1)** Log into the platform.  **2)** Verify if Task Creation can be accessed from "New Task" button from the quick access buttons.  **Expected result:** Task Creation can be accessed from "New Task" button from the quick access buttons. |
| As a user, I want to have Task Creation. | **1)** Log into the platform.  **2)** Verify if in Task Creation, task creation form requires the following information: Title, Description and Board.  **Expected result:** In Task Creation, task creation form requires the following information: Title, Description and Board. |
| As a user, I want to have Task Creation. | **1)** Log into the platform.  **2)** Verify if in Task Creation, task creation should not be possible without a title.  **Expected result:** In Task Creation, task creation should not be possible without a title. |
| As a user, I want to have Task Creation. | **1)** Log into the platform.  **2)** Verify if when creating a task, users must click the "Create" button to create the task.  **Expected result:** When creating a task, users must click the "Create" button to create the task. |
| As a user, I want to have Task Viewing. | **1)** Log into the platform.  **2)** Check if when clicking the "View" button in action option in each task, users can view the complete details of a task.  **Expected result:** When clicking the "View" button in action option in each task, users can view the complete details of a task. |
| As a user, I want to have Task Editing. | **1)** Log into the platform.  **2)** Check if when clicking the "Edit" button in action option in each task, users can edit the title, description, or move the task to a different board.  **Expected result:** When clicking the "Edit" button in action option in each task, users can edit the title, description, or move the task to a different board. |
| As a user, I want to have Task Editing. | **1)** Log into the platform.  **2)** Verify if when editing a task, users must click the "Edit" button to save the changes.  **Expected result:** When editing a task, users must click the "Edit" button to save the changes. |
| As a user, I want to have Task Searching. | **1)** Log into the platform.  **2)** Check if Task Searching can be accessed from "Search" option from the side menu.  **Expected result:** Task Searching can be accessed from "Search" option from the side menu. |
| As a user, I want to have Task Searching. | **1)** Log into the platform.  **2)** Check if Task Searching can be accessed from "Search Tasks" button from the quick access buttons.  **Expected result:** Task Searching can be accessed from "Search Tasks" button from the quick access buttons. |
| As a user, I want to have Task Searching. | **1)** Log into the platform.  **2)** Check if when users provide a keyword in Task Searching, the application will display all task whose title or description matches the keyword.  **Expected result:** When users provide a keyword in Task Searching, the application will display all task whose title or description matches the keyword. |
| As a user, I want to have Search Results. | **1)** Log into the platform.  **2)** Check if users have the option to initiate a new search by entering a different keyword in the search field and clicking on the "Search" button again in Search Results.  **Expected result:** Users have the option to initiate a new search by entering a different keyword in the search field and clicking on the "Search" button again in Search Results. |
| As a user, I want to have Search Results. | **1)** Log into the platform.  **2)** Check if in Search Results, users will be able to view the total number of tasks found, which is indicated by a counter based on the search criteria.  **Expected result:** In Search Results, users will be able to view the total number of tasks found, which is indicated by a counter based on the search criteria. |
| As a user, I want to have Search Results. | **1)** Log into the platform.  **2)** Verify if in Search Results, each search result will provide the task title, board name, and a brief description of the task, if available.  **Expected result:** In Search Results, each search result will provide the task title, board name, and a brief description of the task, if available. |
| As a user, I want to have Web API. | **1)** Log into the platform.  **2)** Verify if Web API can be accessed from "RESTful API" button from the quick access buttons.  **Expected result:** Web API can be accessed from "RESTful API" button from the quick access buttons. |
| As a user, I want to have Web API. | **1)** Log into the platform.  **2)** Check if Web API provides a set of endpoints for performing CRUD (Create, Read, Update and Delete) operations on tasks.  **Expected result:** Web API provides a set of endpoints for performing CRUD (Create, Read, Update and Delete) operations on tasks. |
| As a user, I want to have Web API. | **1)** Log into the platform.  **2)** Verify if Web API allows users to interact with the application programmatically.  **Expected result:** Web API allows users to interact with the application programmatically. |

## Bugs From your bug report, provide the bugs that you found. Give us the expected and actual result.

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| **Bug** | **Description** |
| The Welcome message is not displayed as per design. | **Steps to reproduce:**  1. Log into the platform.  **Expected result:** The Welcome message should display "Welcome".  **Actual result:** The Welcome message display "HELLO”. |
| The Side Menu is not displayed as per design. | **Steps to reproduce:**  1. Log into the platform.  **Expected result:** The Side Menu should display options for Home, Task Board, Create and Search.  **Actual result:** The Side Menu display options for Home and Create. |
| The Task Summary Section is not displayed the number of tasks associated with each board. | **Steps to reproduce:**  1. Log into the platform.  **Expected result:** The Task Summary Section should display the number of tasks associated with each board.  **Actual result:** The Task Summary Section is not displayed the number of tasks associated with each board. |
| InTask Board Page, the boards are not ordered as follows: Open, In Progress, Done. | **Steps to reproduce:**  1. Log into the platform.  2. Click the quick access button "Task Board".  **Expected result:** InTask Board Page, the boards should be ordered as follows: Open, In Progress, Done.  **Actual result:** InTask Board Page, the boards are not ordered as follows: Open, In Progress, Done. |
| Task Board Page cannot be accessed from "Task Board" option from the side menu. | **Steps to reproduce:**  1. Log into the platform.  **Expected result:** Task Board Page should be accessed from "Task Board" option from the side menu.  **Actual result:** Task Board Page cannot be accessed from "Task Board" option from the side menu. The side menu is not contained "Task Board" option. |
| Task Creation cannot be accessed from "Create" option from the side menu. | **Steps to reproduce:**  1. Log into the platform.  **Expected result:** Task Creation should be accessed from "Create" option from the side menu.  **Actual result:** Task Creation cannot be accessed from "Create" option from the side menu. "Create" option from the side menu is not working. |
| In Task Creation, the "Create" button is not working. | **Steps to reproduce:**  1. Log into the platform.  2. Click the quick access button "New Task".  3. Fill in the title, description and board fields.  4. Click "Create" button.  **Expected result:** In Task Creation, the "Create" button should be working and the task should be created.  **Actual result:** In Task Creation, the "Create" button is not working and the task is not created. |
| In Task Editing, the "Edit" button is not working. | **Steps to reproduce:**  1. Log into the platform.  2. Click the quick access button "Task Board".  3. Click "Edit" button in action options of random task.  4. Edit the title, description and board of the task.  5. Click "Edit" button.  **Expected result:** In Task Editing, the "Edit" button should be working and the changes should be saved.  **Actual result:** In Task Editing, the "Edit" button is not working and the changes are not saved. |
| Task Searching cannot be accessed from "Search" option from the side menu | **Steps to reproduce:**  1. Log into the platform.  **Expected result:** Task Searching should be accessed from "Search" option from the side menu.  **Actual result:** Task Searching cannot be accessed from "Search" option from the side menu. The side menu is not contained "Search" option. |
| In Search Results, the counter for the total number of tasks found is not displayed. | **Steps to reproduce:**  1. Log into the platform.  2. Click the quick access button "Search Tasks".  3. Provide keyword in the search field.  4. Click "Search" button.  **Expected result:** In Search Results, the counter for the total number of tasks found should display.  **Actual result:** In Search Results, the counter for the total number of tasks found is not displayed. |
| Web API cannot be accessed from "RESTful API" button from the quick access buttons. | **Steps to reproduce:**  1. Log into the platform.  **Expected result:** Web API should be accessed from "RESTful API" button from the quick access buttons.  **Actual result:** Web API cannot be accessed from "RESTful API" button from the quick access buttons. |
| The "View" button is not working. | **Steps to reproduce:**  1. Log into the platform.  2. Click the quick access button "Task Board".  3. Click "View" button in action options of random task.  **Expected result:** The "View" button should be working.  **Actual result:** The "View" button is not working. |
| The "Edit" button is not working. | **Steps to reproduce:**  1. Log into the platform.  2. Click the quick access button "Task Board".  3. Click "Edit" button in action options of random task.  **Expected result:** The "Edit" button should be working.  **Actual result:** The "Edit" button is not working. |