# Homework: Test Management and Issue Tracking

## User Stories

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

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| **Functionality** | **User Story** |
| Home Page | As a user, I want to view the total number of tasks available in the system on the Home Page, so I can have an overview of the task count. |
| Welcome message | As a user, I want to see “Welcome” message |
| Side Menu | As a user I want to see a side menu with options – ‘Home’, ‘Task Board’, ‘Create’, and ‘Search’ |
| Task summary | The ‘Task Summary Section’ should display the total number of tasks available in the system. Also, should display a summary of tasks organized by boards, showing the board name and the number of tasks associated with each board. |
| Quick Access Buttons | As a user I want to have access to buttons that include options for – ‘Task Board’, ‘Create Task’, ‘Search Task’, ‘RESTful API’. |
| Task Board Page | As a user I want to view task organized by boards in a grid layout. The Board should be ordered as flows – Open, In Progress, Done. Each task should include the task title, brief description and options such as – View and Edit. |
| Task Board Page methods | As a user I want to access the Task Board page trough the following methods: From side menu, from a quick access button. |
| Task Board – Side Menu | As a user, I want to access the ‘Task Board’ option from the side menu, available on all pages of the application. |
| Task Board – Quick access buttons | As a user, I want to access the ‘Task Board’ option from the side menu through the quick access buttons – providing shortcuts to the Task Board Page |
| Task Creation | As a user I want to add a new task by navigating to the ‘Create’ option from the side menu or clicking ‘New Task’ button located on the Home Page for quick access. The task creation form requires the following information:   * **Title:** Users must provide a title for the task. * **Description:** Users can optionally provide a description for the task. * **Board:** Users need to select the board where the task will be placed. |
| Task Viewing | As a user I want to view all tasks in the system organized by boards by selecting the ‘Task Board’ option. Each task will display its title, a brief description and action options. Users can also view the complete details of a task by clicking the "View" button associated with each task. |
| Task Editing | As a user I want to access an ‘Edit’ option. Users can edit the title, description, or move the task to a different board. After Editing, the user must click the ‘Edit’ button to save the changes. |
| Task Searching | As a user I want to search for a specific task by using the ‘Search’ option, which is accessible from the side menu on all pages of the application, as well as from the quick access buttons on the ‘Home Page’. Users need to provide a keyword, and application will display all tasks whose title or description matches the keyword. |
| Search Results | When searching, as a user I want to see the search result on the search page in a clear and organized manner. Users should be able to view the total number of tasks found which is indicated by a counter based on the search criteria. Each search result should provide essential information, including the task title, board name, and a brief description if available. Additionally, users must have the option to initiate a new search by entering a different keyword in the search field and clicking on the "Search" button again. |
| Accessing Web API | As a user I want to access the Web PI by clicking on the ‘Web API’ option from the ‘Quick Access Buttons’. The Web API provides a set of endpoints for performing CRUD (Create, Read, Update, Delete) operations on tasks. It 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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| **Functionality** | **Expected Result** | **Actual Result** |
| Home Page | Greeting message should display "Welcome" | Greeting message displays “HELLO” |
| Side Menu | There should be 4 options on the side menu – ‘Home’, ‘Task Board’, ‘Create’, ‘Search’ | The app showing just 2 – Home and Create, the other 2 are missing. |
| Task Summary Section | The Task Summary Section should display the board name and the number of tasks associated. | The numbers of tasks associated with each board is not showing. |
| Quick Access Buttons | The ‘Task Board’ icon should show as a list | The ‘Task Board’ icon shows as a rectangle instead. |
| Quick Access Buttons | The lookout icon in ‘Search Tasks’ shows with a bold circle | The lookout icon in ‘Search Tasks’ shows with a regular circle instead |
| Quick Access Buttons | The ‘Search Tasks’ text should be on the same line as the text in other quick access buttons | The ‘Search Tasks’ texts positioned a bit upper than the text in other quick access buttons |
| Task Board Page | The board should be ordered as follows: Open, In Progress, Done. | The board is ordered in the following way: Done, In Progress, Open |
| Task Board page | Main ‘Task Board’ icon should show as a list | Main ‘Task Board’ icon displays as an empty rectangle |
| Task Creation | Side menu ‘Create’ action should create a new task on a click | Side Menu ‘Create’ action doesn’t work on a click |
| Task Viewing | Side menu should be 4 options on the side menu – Home, Task Board, Create, Search | Side Menu shows only – Home and Create |
| Task Editing | Edit button should apply changes | Edit button doesn’t work on a click, the changes are not saved and reverse back to the original state of the task. |
| Task Searching | The search result should show - 1 task found | There is a message ‘Sorry I can’t count’ |
| Task Searching | The keyword field should be clear for the next search | The keyword field displays text from previous search. |
| Accessing Web API | The name of the button should be - Web API | The name of the button is shown as – RESTful API. |
| Accessing Web API | Should be able to access the Web API by clicking on the – Web API option from Quick Access Button. | Button doesn’t do anything with a click. It’s not working. |