# 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 be greeted with a "Welcome" message when I access the Home Page of the Task Board application. |
| Side Menu Navigation | As a user, I want a side menu to be available on all pages, including the Home Page, Task Board Page, Create Task Page, and Search Page, so that I can easily navigate between different sections of the application. |
| Task Summary | As a user, I want to see a summary of tasks on the Home Page, including the total number of tasks available in the system and a breakdown 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 quick access buttons on the Home Page, including options for Task Board, Create Task, Search Tasks, and RESTful API, so that I can perform important actions with a single click. |
| Display Task Board | As a user, I want to see tasks organized by boards in a grid layout on the Task Board Page, where the boards are ordered as Open, In Progress, and Done. Each task should include the task title, a brief description, and action options for viewing and editing. |
| Navigate to Task Board Page | As a user, I want to be able to access the Task Board Page by selecting the "Task Board" option from the side menu on any page of the application. |
| Create Task | As a user, I want to create a new task by navigating to the "Create" option from the side menu or by clicking on the "New Task" button on the Home Page. The task creation form should require a title, optional description, and board selection. The title field should be validated to prevent task creation without a title. |
| View Task Details | As a user, I want to view all tasks in the system organized by boards on the Task Board Page. Each task should display its title, a brief description, and action options for viewing the complete details of a task. |
| Edit Task | As a user, I want to be able to edit a task's title, description, or move it to a different board. After making changes, I should be able to save the edited task by clicking the "Edit" button. |
| Search Tasks | As a user, I want to search for specific tasks by using the "Search" option accessible from the side menu on all pages and the quick access buttons on the Home Page. I should be able to enter a keyword and see all tasks whose title or description matches the keyword. |
| Display Search Results | As a user, I want the application to present search results in a clear and organized manner on the search page. I should be able to view the total number of tasks found, the task title, board name, and brief description for each search result. Additionally, I should have the option to initiate a new search by entering a different keyword. |
| Access Web API | As a user, I want to access the Web API by clicking on the "Web API" option from the Quick Access Buttons. The Web API should provide endpoints for performing CRUD operations on tasks, allowing me to interact with the application programmatically. |

## Bugs in Task Board v1

## 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 | The Side Menu must contain “Task Board” option. | The side menu does not contain a “Task Board” option. |
| Side Menu | The Side Menu must contain “Search” option. | The side menu does not contain a “Search” option. |
| Side Menu | When we click on “Create” it should open a page for creating a new task. | The button “Create” for add new task in the side menu is inactive and does not work. |
| Task Summary Section | Display a summary of tasks organized by boards, showing the board name and the number of tasks associated with each board. | Display only the total number of tasks available in the system and  showing the boards names, but not the number of tasks associated with each board. |
| Copyright | The year after Copyright symbol must be 2021. | The year after Copyright symbol is 1997. |
| Task Board Page | The boards should be ordered as follows: Open, In Progress, Done. | The boards are ordered as follows: Done, In Progress, Open. |
| Task Editing | should be able to edit the title, description or move the task to another board. After editing, the "Edit" button must be clicked to save the changes. | Cannot edit the title, description or move the task to another board. After editing and pressing the "Edit" button, the changes are not saved.  When pressing the “Edit” button, the changes are not saved and the old information is returned when the board was created. |
| Search Results | Тhe **total number of tasks** found should be seen, which is **displayed** by a counter based on the search criteria. | **Cannot be displayed** the **total number** of **tasks** found. Where the total should be displayed, it says "**Sorry, can't count**" |
| Search Results | Each search result will provide essential information, including the task title, board name, and a brief description if available. | Each search result provides information about the title of the task, a short description even if none exists. Also, action options such as "View" and "Edit." appear instead of the name of the board. |
| Quick Access Buttons. | We should be able to access the Web API by clicking on the "Web API" option from the hotkeys. | The button “RESTful API” for to be able to access the Web API by clicking on is inactive and does not work. |

## 3. Bugs in Task Board V2

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| **Functionality** | **Expected Result** | **Actual Result** |
| Task Searching | Each search result will provide essential information, including the task title, board name, and a brief description if available. | Each search result provides information about the title of the task, a short description even if none exists. Also, action options such as "View" and "Edit." appear instead of the name of the board. |