# 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* |
| **Home Page** | The footer should display © 2021 - Task Board on each page |
| **Welcome Message** | As a user, I would like to be presented with a welcome message saying “Welcome.” |
| **Side Menu** | As a user, I wold like to have an option to Create a task, View Task Board, Search a task, and go back to Home. The menu should be present in all pages. |
| **Task Summary Section** | As a user, I want to see real-time numbers of open, in progress, done and total tasks. |
| **Quick Access Buttons** | As a user, I want to have the option to quickly perform important actions such as viewing all tasks, creating a task, searching a task, and accessing the RESTful APIs. |
| **Task Board Page** | As a user, I want to be able to see all tasks available in a clean and accessible way. Title, Description and Actions should be visibly separated and distinguishable. The title and description should be visible and short, indicating what the task is about without even opening it.  \* Enhancement tip: The three categories “Done”, “In Progress” and “Open” should be in different colors in order to quickly visualize their importance and prioritization. |
| **Task Creation** | As a user, I want to be able to create a task easily. A task should be created from the “Create” button or from the quick action button [+ New Task]. Upon clicking, a title and description should be filled out manually. There should be a drop down menu indicating what the task should be - open, in progress or done. The default option should be “Open”. |
| **Task Viewing** | As a user, I should be able to view tasks by going to the Task board, locating a task and clicking “View” from one of the Action buttons. Upon clicking, I should be presented with the Task ID, Title, Description, Board, Date Created, Date Modified, and an option to Edit and Delete task. |
| **Task Editing** | As a user, I should be able to edit tasks easily. A task could be edited by viewing the task and clicking on the [Edit] button, or from the Task Board > [Edit] button on a specific task. Upon clicking, I should be presented with the Title and Description text field and Boards drop down menu, all three available for modifying. The button below should be “Edit” and a notification should pop up after successfully making the change. If no changes are made, the button should be inactive. |
| **Task Searching** | As a user, I should be able to search tasks easily just by typing out one keyword. That should be done from the Quick Actions button [Search Tasks], typing out a keyword and clicking [Search]. |
| **Search Results** | As a user, upon successful result, a task should be presented with the options to view an edit. The task should be searchable by keywords both from the title and description.  Searching by Board (example, “Done”, “In Progress”) should also return results, for example searching for “Done” should return all tasks that are in the board “Done”.  When a search is successful, the number of results found should be present, for example “**7** Tasks found”    Upon unsuccessful search result, a message “*No tasks found.*” should be displayed. |
| **Accessing Web API** | As a user, I should be able to access the RESTful APIs by clicking the quick action button [RESTful API]. |

## 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"* |
| **Home Page** | Number of Open, In Progress and Done tasks should be present. | No number of Open, In Progress, or Done tasks shown. Only total tasks number is present. |
| **Home Page** | Footer text should say “© 2021 - Task Board” | Footer text displays “© 1997 - Task Board” |
| **Welcome Message** | Welcome message saying “Welcome” | Welcome message saying “HELLO” |
| **Side Menu** | Buttons for [Home], [Task Board], [Create], [Search] should be available. | Only buttons [Home], [Create] are present. |
| **Side Menu** | Button [Create] should allow the creation of a new task. | The button [Create] from the Side menu does nothing. |
| **Task Summary Section** | Number of Open, In Progress and Done tasks should be present and accurate. | No visible indication how many open, in progress, or done tasks there are. |
| **Quick Access Buttons** | All four ([Task board], [New Task], [Search Tasks], [RESTful API])quick access buttons should be working | [RESTful API] is not working. It’s not clickable. |
| **Task Board Page** | Upon clicking [Task Board], the boards should be in order Open, In Progress, Done | The order of the boards is Done, In Progress, Open |
| **Task Creation** | A task should be able to be created from the side bar button [Create] | The button Create] does nothing. |
| **Task Viewing** | Upon viewing a task, “Date Created” and “Date Modified” can sometimes be different, depending if the task was edited. | Due to the next bug, the “Date Created” and “Date Modified” are **always** the same, because tasks cannot be edited. |
| **Task Editing** | A task should be able to be edited from the [Edit] button when viewing the task from Task board or from [View] Task. | Making changes to the title, or description, or board and clicking [Edit] **reverts** the changes and does **not** edit the task. |
| **Task Searching** | A user should be able to search from the Side menu button [Search] and the quick access button [Search Tasks] | The side bar option [Search] is missing |
| **Search Results** | Upon successful result, the **number** of tasks found should be returned. | After a successful search, instead of number of results found, a message “*Sorry, I can’t count.*” is returned. |
| **Accessing Web API** | Upon clicking the quick access [RESTful API], the Web API should be opened. | The button [RESTful API] does nothing, it’s not clickable, and we cannot access the Web API from any way. |