Homework: Test Management and Issue Tracking

1. User Stories

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

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	As a user, I want to access the Task Board application's Home Page so I can see a welcome message, navigate to different sections using the side menu and Quick Access Buttons,
Task Board	As a user, I want to navigate to the Task Board page so I can see tasks organized by boards in the order of Open, In Progress, and Done.
Task Board	As a user, I want to navigate to the Task Board page so I can view each task's title, brief description, and have options for viewing and editing the tasks.
Create Task	As a user, I want to create a new task by providing a title, optional description, and selecting the board for the task.
View Task	As a user, I want to view the complete details of a task by clicking on the "View" button associated with each task.
Edit Task	As a user, I want to edit a task by modifying the title, description, or moving it to a different board. After making the desired changes, I want to be able to save the edits.
Search Task	As a user, I want to search for specific tasks by entering a keyword.
Search Results	As a user, I want to see the search results page display relevant task information, such as the task title, board name, and a brief description if available.
Web API	As a user, I want to access the API documentation for the Task Board application. The documentation should provide detailed information about the available endpoints, supported request methods, request parameters, and response formats.

2. Bugs

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

Functionality	Expected Result	Actual Result
Home Page	Greeting message should display "Welcome"	Greeting message displays "HELLO"
Side Menu	Side Menu consistent across all pages and contains options for Home, Task Board, Create, and Search.	Task Board and Search links are missing from the Side Menu
Home Page	The page footer message is not compliant with the specification. The year should be 2021.	The year is 1997 instead of 2021.
Side Menu	Upon click redirect the user to the Task Board.	No Task Board link available on the Side Menu.
Side Menu	Upon click redirect the user to the Create Task window.	The Create link is not working. Upon click it does nothing.
Side Menu	Upon click redirect the user to the Search window.	No Search link available on the Side Menu.
Task Summary Section	Display the total number of tasks available in the system. Display a summary of tasks organized by boards, showing the board name and the number of tasks associated with each board.	Tasks are organized by boards, but without number of tasks against each board.
Task Summary Section	Display a summary of tasks organized by boards, showing the board name and the number of tasks associated with each board.	Total sum of tasks by different boards is not verifiable because there is no number against each board.
Quick Access Buttons	A button displayed below the summary section, upon click providing quick access to RESTful API.	Upon click the button does nothing.
Task Board	Display tasks organized by boards in a grid layout. The boards should be ordered as follows: Open, In Progress, Done.	Boards not organized according to the specification. Actual result: Done, In progress, Open.
Task Board	Users can select the "Task Board" option from the side menu, available on all pages of the application.	Task Board link missing from the Side Menu

Create New Task through the Side Menu	Access "Create" from the Side Menu link.	Upon click on Create no action is performed.
Task Editing	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.	Edited title/description is not saved upon clicking "Edit".
Search	The user provides a blank keyword. The application should display a result or an error message.	Upon clicking search, no action is performed and no error message is displayed.
Search	Navigate to Search through the Side Menu	No Search link on the Side Menu
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.	"Sorry, I can't count." message displayed instead of the total number found.
Search Results	Each search result will provide essential information, including the task title, board name, and a brief description if available.	Board name section missing.
RESTful API	Users can access the Web API by clicking on the "Web API" option from the Quick Access Buttons. The Web API provides a set of endpoints for performing CRUD operations on tasks.	Upon click the RESTful API button does nothing.
Usability	The application should have a user-friendly interface with clear navigation menus. All pages should display the side menu with options to navigate to Home, Task Board, Create, and Search.	Side Menu links missing, Buttons doing nothing upon click

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TB Sprint 1

7 days remaining   Complete sprint   ...

EK   Epic ∨   Type ∨   GROUP BY   None ∨   Insights

TO DO 10 ISSUES	IN PROGRESS 1 ISSUE	IN REVIEW 1 ISSUE	IN TESTING 1 ISSUE	DONE 1 ISSUE ✓
Implement Quick Access Buttons **HOME PAGE** ▣ TB-5	Implement Task Summary Section **HOME PAGE** ▣ TB-4	QA: Create manual testing scenarios and cases **HOME PAGE** ▣ TB-9	Implement Welcome Message **HOME PAGE** ▣ TB-2	Implement Side Menu **HOME PAGE** ▣ TB-3 ✓

HELLO

Failed test: Verify Welcome Message
▣ TB-31

HELLO
Home
Create

Failed test: Verify Side Menu
▣ TB-32

Backlog

EK   Epic ∨   Type ∨

∨ **TB Sprint 1** 11 Jul – 25 Jul (14 issues)		0 0 0	Complete sprint	...
▣ TB-2 Implement Welcome Message **HOME PAGE**		-	IN TESTING ∨	👤
▣ ~~TB-3~~ Implement Side Menu **HOME PAGE**		-	DONE ∨	👤
▣ TB-4 Implement Task Summary Section **HOME PAGE**		-	IN PROGRESS ∨	👤
▣ TB-5 Implement Quick Access Buttons **HOME PAGE**		-	TO DO ∨	👤
▣ TB-9 QA: Create manual testing scenarios and cases **HOME PAGE**			IN REVIEW ∨	👤
▣ TB-31 Failed test: Verify Welcome Message			TO DO ∨	👤
▣ TB-32 Failed test: Verify Side Menu		-	TO DO ∨	👤
▣ TB-33 Failed test: Verify Home Page		-	TO DO ∨	👤
▣ TB-34 Failed test: Verify Side Menu's Task Board link		-	TO DO ∨	👤
▣ TB-35 Failed test: Verify Side Menu's Create link		-	TO DO ∨	👤
▣ TB-36 Failed test: Verify Side Menu's Search link		-	TO DO ∨	👤
▣ TB-38 Failed test: Verify if the tasks are organized by boards		-	TO DO ∨	👤
▣ TB-39 Failed test: Verify the tasks numbers for the different boards		-	TO DO ∨	👤
▣ TB-40 Failed test: Verify the RESTful API button		-	TO DO ∨	👤

+ Create issue

TB Sprint 2 25 Jul – 8 Aug (6 issues) `0` `0` `0` Start sprint ···

- 🟩 TB-7   Implement Task Board Page   `TASK BOARD PAGE`   TO DO ⌄ 👤
- 🟩 TB-8   QA: Add manual test cases   `TASK BOARD PAGE`   TO DO ⌄ 👤
- 🟩 TB-10   DevOps: Create staging environment for testing   `TASK BOARD PAGE`   -   TO DO ⌄ 👤
- 🟩 TB-11   Retest fixed bugs   `HOME PAGE`   -   TO DO ⌄ 👤
- 🟥 TB-41   Failed test: Verify Task Board layout   -   TO DO ⌄ 👤
- 🟥 TB-42   Failed test: Accessing Task board through Side Menu   -   TO DO ⌄ 👤

＋ Create issue

TB Sprint 3 8 Aug – 22 Aug (4 issues) `0` `0` `0` Start sprint ···

- 🟩 TB-12   Re-run the tests on version 2 of the app   `TASK BOARD PAGE`   -   TO DO ⌄ 👤
- 🟩 TB-14   Implement Task Creation   `TASK CREATION`   -   TO DO ⌄ 👤
- 🟩 TB-16   Implement Task Viewing   `TASK VIEWING`   -   TO DO ⌄ 👤
- 🟥 TB-44   Failed test: Accessing Create New Task through the Side Menu   -   TO DO ⌄ 👤

＋ Create issue

TB Sprint 4 22 Aug – 5 Sep (11 issues) `0` `0` `0` Start sprint ···

- 🟩 TB-18   Implement Task Editing   `TASK EDITING`   -   TO DO ⌄ 👤
- 🟩 TB-20   Implement Task Searching   `TASK SEARCHING`   -   TO DO ⌄ 👤
- 🟩 TB-22   Implement Search Results   `SEARCH RESULTS`   -   TO DO ⌄ 👤
- 🟩 TB-24   Implement Web API   `WEB API`   -   TO DO ⌄ 👤
- 🟥 TB-45   Failed test: Verify Task Editing   -   👤
- 🟥 TB-46   Failed test: Task Searching with blank keyword   -   👤
- 🟥 TB-47   Failed test: Navigate to Search through the Side Menu   👤
- 🟥 TB-48   Failed test: Verify total number of tasks found   👤
- 🟥 TB-49   Failed test: Verify search result fields   -   👤
- 🟥 TB-50   Failed test: Verify API   -   👤
- 🟥 TB-51   Failed test: Usability features   -   👤

＋ Create issue

TB Sprint 5 5 Sep – 19 Sep (5 issues) `0` `0` `0` Start sprint ···

- 🟩 TB-26   Usability features   `NON-FUNCTIONAL REQUIREMENT...`   -   TO DO ⌄ 👤
- 🟩 TB-27   Performance features   `NON-FUNCTIONAL REQUIREMENT...`   -   TO DO ⌄ 👤
- 🟩 TB-28   Security features   `NON-FUNCTIONAL REQUIREMENT...`   -   TO DO ⌄ 👤
- 🟩 TB-29   QA: Create non-functional tests   `NON-FUNCTIONAL REQUIREMENT...`   -   TO DO ⌄ 👤
- 🟩 TB-30   QA: Automate manual tests   `NON-FUNCTIONAL REQUIREMENT...`   -   TO DO ⌄ 👤

＋ Create issue

Follow us:

← Return to Dashboard

Task Board

OVERVIEW   TODO   MILESTONES   TEST RUNS & RESULTS   **TEST SUITES & CASES**   REPORTS

Test Suites & Cases

Home Page
Run Test | Test Runs | Edit
Has 1 section with 15 test cases. 1 active test run.

Non-Functional Requirements
Run Test | Test Runs | Edit
Has 1 section with 3 test cases. 1 active test run.

Search
Run Test | Test Runs | Edit
Has 1 section with 9 test cases. 1 active test run.

Task Board Page
Run Test | Test Runs | Edit
Has 1 section with 6 test cases. 1 active test run.

Task Creation
Run Test | Test Runs | Edit
Has 1 section with 7 test cases. 1 active test run.

Task Viewing and Editing
Run Test | Test Runs | Edit
Has 1 section with 2 test cases. 1 active test run.

S1 **Home Page**   🗐 🔃 🗗 🗗 🖨 | 123 Shared Test Steps ? | Defects ▾ | Reports ▾ | ⊙ Run Test | ✎ Edit

Sort: Section | Filter: None   ⚪ Display Deleted Test Cases ? | + Add Case | ✎ Edit ▾ | ⊗ Delete | ☰ Columns

Test Cases 15 ✎

ID	Title	Priority	Type	References	
C1	**Verify Home Page**	High	Functional	**TB-1**	‹
C2	Verify Welcome Message	Medium	Functional	TB-2	›
C3	Verify Side Menu	Medium	Functional	TB-3	›
C12	Verify Side Menu's Home link	Medium	Functional	TB-3	›
C13	Verify Side Menu's Task Board link	Medium	Functional	TB-3	›
C14	Verify Side Menu's Create link	Medium	Functional	TB-3	›
C15	Verify Side Menu's Search link	Medium	Functional	TB-3	›
C4	Verify Task Summary Section	Medium	Functional	TB-4	›
C5	Verify if the tasks are organized by boards	Medium	Functional	TB-4	›
C6	Verify the tasks numbers for the different boards	Medium	Functional	TB-4	›
C7	Verify Quick access buttons	Medium	Functional	TB-5	›
C8	Verify the Task Board button	High	Functional	TB-5	›
C9	Verify the New Task button	Medium	Functional	TB-5	›
C10	Verify the Search Task button	Medium	Functional	TB-5	›
C11	Verify the RESTful API button	Medium	Functional	TB-5	›

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S2 Task Board Page

Shared Test Steps ? | Defects ⌄ | Reports ⌄ | ▶ Run Test | ✎ Edit

Sort: Section | Filter: None | ⬤ Display Deleted Test Cases ? | + Add Case | ✎ Edit ⌄ | ✖ Delete | ☷ Columns

Test Cases 6 ✎

	ID	Title	Priority	Type	References	
☐	C16	**Verify Task Board layout**	Medium	Functional	**TB-7**	‹
☐	C17	Verify Task fields	Medium	Functional	TB-7	›
☐	C18	Verify Task view	Medium	Functional	TB-7	›
☐	C19	Verify Task Edit	Medium	Functional	TB-7	›
☐	C20	Accessing Task board through Side Menu	Medium	Functional	TB-7	›
☐	C21	Accessing Task board through the Quick Access Button	Medium	Functional	TB-7	›

Add Case | Add Subsection

S3 Task Creation

Shared Test Steps ? | Defects ⌄ | Reports ⌄ | ▶ Run Test | ✎ Edit

Sort: Section | Filter: None | ⬤ Display Deleted Test Cases ? | + Add Case | ✎ Edit ⌄ | ✖ Delete | ☷ Columns

Test Cases 7 ✎

	ID	Title	Priority	Type	References	
☐	C22	**Accessing Create New Task through the Side Menu**	Medium	Functional	**TB-14**	‹
☐	C23	Accessing New Task from the Quick Access Button	Medium	Functional	TB-14	›
☐	C24	Task creation form fields	Medium	Functional	TB-14	›
☐	C25	Verify Title field - valid	Medium	Functional	TB-14	›
☐	C26	Verify Title field - invalid	Medium	Functional	TB-14	›
☐	C27	Verify Description field - blank	Medium	Functional	TB-14	›
☐	C28	Verify Description field - sample	Medium	Functional	TB-14	›

Add Case | Add Subsection

S4 Task Viewing and Editing

Shared Test Steps ? | Defects ⌄ | Reports ⌄ | ▶ Run Test | ✎ Edit

Sort: Section | Filter: None | ⬤ Display Deleted Test Cases ? | + Add Case | ✎ Edit ⌄ | ✖ Delete | ☷ Columns

Test Cases 2 ✎

	ID	Title	Priority	Type	References	
☐	C29	**Verify View Task Details**	Medium	Functional	**TB-16**	‹
☐	C30	Verify Task Editing	Medium	Functional	TB-18	›

Add Case | Add Subsection

S5 Search

Shared Test Steps (?) | Defects ▾ | Reports ▾ | ▶ Run Test | ✎ Edit

Sort: Section | Filter: None | ⬤ Display Deleted Test Cases (?) | + Add Case | ✎ Edit ▾ | ✖ Delete | ☰ Columns

Test Cases ⑨ ✎

	ID	Title	Priority	Type	References	☰
☐	**C31**	**Task Searching with sample keyword**	Medium	Functional	**TB-20**	‹
☐	C37	Task Searching with sample keyword – in capital letters	Medium	Functional	TB-20	›
☐	C32	Task Searching with blank keyword	Medium	Functional	TB-20	›
☐	C33	Navigate to Search through the Side Menu	Medium	Functional	TB-20	›
☐	C34	Navigate to Search through the Quick Access Button	Medium	Functional	TB-20	›
☐	C35	Verify total number of tasks found	Medium	Functional	TB-20	›
☐	C38	Verify search result fields	Medium	Functional	TB-20	›
☐	C39	Verify secondary search	Medium	Functional	TB-20	›
☐	C40	Verify API	Medium	Functional	TB-24	›

Add Case | Add Subsection

Milestones   Defects ▾ ▦ ▤ ▤

Open

☐ Select all

| ☐ | ⚑ | **Sprint 1**
Due on 7/25/2023 | Edit | Add Milestone
Has **1** active test run. | | 40% ✖ |
| ☐ | ⚑ | **Sprint 2**
Due on 8/8/2023 | Edit | Add Milestone
No active test runs. | | 0% ✖ |

Test Runs & Results   Defects ▾ ▦ ▤ ▤

Open

☐ Select all

☐	▶	**Task Viewing and Editing** By Emiliya K. on 7/13/2023	Edit 1 Passed, 0 Blocked, 0 Untested, 0 Retest and 1 Failed.		50% ✖
☐	▶	**Search** By Emiliya K. on 7/13/2023	Edit 5 Passed, 0 Blocked, 0 Untested, 0 Retest and 4 Failed.		56% ✖
☐	▶	**Non-Functional Requirements** By Emiliya K. on 7/13/2023	Edit 2 Passed, 0 Blocked, 0 Untested, 0 Retest and 1 Failed.		67% ✖
☐	▶	**Task Creation** By Emiliya K. on 7/13/2023	Edit 6 Passed, 0 Blocked, 0 Untested, 0 Retest and 1 Failed.		86% ✖
☐	▶	**Task Board Page** By Emiliya K. on 7/13/2023	Edit 4 Passed, 0 Blocked, 0 Untested, 0 Retest and 2 Failed.		67% ✖
☐	▶	**Home Page** By Emiliya K. on 7/12/2023	Edit 6 Passed, 0 Blocked, 0 Untested, 0 Retest and 9 Failed.		40% ✖

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Activity

Thursday, July 13, 2023

Test Run	Task Viewing and Editing	Created by Emiliya K.
Test Run	Search	Created by Emiliya K.
Test Run	Non-Functional Requirements	Created by Emiliya K.
Test Run	Task Creation	Created by Emiliya K.
Test Suite	Non-Functional Requirements	Created by Emiliya K.
Test Suite	Search	Created by Emiliya K.
Test Suite	Task Viewing and Editing	Created by Emiliya K.
Test Suite	Task Creation	Created by Emiliya K.
Test Run	Task Board Page	Created by Emiliya K.

Wednesday, July 12, 2023

Test Suite	Task Board Page	Created by Emiliya K.
Test Run	Home Page	Created by Emiliya K.
Milestone	Sprint 2	Created by Emiliya K.
Milestone	Sprint 1	Created by Emiliya K.

Tuesday, July 11, 2023

| Test Suite | Home Page | Created by Emiliya K. |