Black Box Test Plan

CS 3704 Kanban Pioneers

In order to utilize black box testing for our "Improved Kanban" web application if we were to implement it fully, we could consider the following testing cases.

Test	Description	Expected Results	Actual Results
Creating a New Task UI Testing	Preconditions: Logged in Steps: Click the "Create New Task" button Customize task name, description, assignee, tags, priority, etc. Hit "OK"	Task should appear in the default column, "To Do." It should have the name, assignee, and priority visible on the main board. When opening the task, the appropriate description and other customizations should be visible.	N/A
Drag/Drop Functionality UI Testing	Preconditions: Logged in At least one task exists on the board, in column "A" Steps: Click and hold on a task on the main board. Drag the task over to a different column, "B." Release the mouse button.	Task should now appear in the new column, "B."	N/A
Editing Tasks UI Testing	Preconditions: Logged in At least one task exists on the board Steps: Click on the task Change any of the fields (task name,	Once the user clicks "OK" to save changes, the task will automatically update to reflect the changes made	N/A

	description, assignee, tags, priority, etc.) Hit "OK"		
Tool Navigation UI Testing	Preconditions: Logged in Steps: User navigates from main kanban board to all other tools (My tasks, new task, edit task, log out, etc.)	User successfully navigates from main kanban board to all other tools (My tasks, new task, edit task, log out, etc.) with no confusion	N/A
Column Functionality Functionality Testing	Preconditions: Logged in Steps: User clicks on one of the column names User changes name of column User clicks elsewhere on screen	After the user clicks away from the column, the board retains the changes they made	N/A
Card Details Functionality Testing	Preconditions: Logged In At least one task exists on the board and it has a title and assignee(s) Steps: User navigates to main kanban board User views task card on board	When viewing the task card, the user sees the name of the task and the assignee(s)	N/A
Search Functionality Search Functionality	Preconditions: Logged in At least one task exists on the board, and it is named "debug button" Steps User navigates to search bar User searches "button"	Once the user finishes typing, the task containing "button" is the only viewable task on the board	N/A

Ability to Handle Multiple Users Performance Testing	Preconditions: Three different users are logged into the system, user A, user B, and user C Two tasks exist on the board, task B and task C Steps: User A adds a new task A User B completes a pre-existing task B User C edits a pre-existing task C	User A sees task B moved to the done column and the changes made to task C, User B sees the new task A and the changes made to task C, user C sees the new task A and task B in the done column	N/A
Response Time Performance Testing	Preconditions: Three different users are logged into the system, user A, user B, and user C Two tasks exist on the board, task B and task C Steps: User A adds a new task A User B completes a pre-existing task B User C edits a pre-existing task C	The system makes all of these changes and reflects the changes to each user in under 1 second	N/A
Authentication Testing Security Testing	Preconditions: The user does not have an account Steps: The user clicks to create a new account The user fills out the required fields and presses submit The user is logged in The user clicks to sign out The user clicks log in The user logs in with their account information	The password is encrypted by the system to keep it secure The user cannot log in without creating an account or signing in The account creation successfully creates an account and stores the information in the encrypted password database	N/A