Black Box Testing

Test ID	Description	Expected Results	Actual Results
Name: valid_authentication **Type:** Authentication Test	**Precondition(s):** User has valid credentials and is not currently authenticated. **Step(s):** - User enters credentials on the 'Login' screen. - User clicks on the login button. **Input(s):** Valid username and password.	Successful login – can access application content.	N/A
Name: logout_selection **Type:** Logout Test	**Precondition(s):** User is authenticated. **Step(s):** - User clicks on the profile icon. - User clicks on the log out button. **Input(s):** N/A.	Successful logout – can no longer access application content.	N/A
Name: valid_task_addition **Type:** Task Addition Test	**Precondition(s):** User is authenticated. **Step(s):** - User navigates to the 'Tasks' screen. - User clicks on the add task button. - User fills all of the fields for the task.	Successful addition of task – task is in planner.	N/A

	- User clicks on the done button. **Input(s):** Task details (i.e., description, deliverables, priority level, deadline, estimated difficulty and estimated duration)		
Name: task_deletion **Type:** Task Deletion Test	**Precondition(s):** User is authenticated and has at least 1 task in planner. **Step(s):** - User navigates to the 'Tasks' screen. - User selects a task in the planner. - User clicks on the delete button. **Input(s):** Selection of a task in planner.	Successful deletion of task – task is no longer in planner.	N/A
Name: suggest_productivty_aid **Type:** Suggestion Test	**Precondition(s):** User is authenticated and is in the middle of a working session where more than 1 hour has been spent on the current task. **Step(s):** - User receives a notification to take a break. - User clicks on the accept button. - User selects an activity from the list of break activities. **Input(s):** Selection of break activity from the given list.	Successful suggestion of break activity – break activity is in progress.	N/A
Name: deadline_reminder **Type:** Notification Test	**Precondition(s):** User is authenticated and has at least 1 task with an approaching deadline (i.e. due the next day).	Successful reminder of task with approaching deadline – notification of task is received.	N/A

	Step(s): - User receives a notification of the task with an approaching deadline. - User clicks on the view task's details button. **Input(s):** N/A		
Name: start_session_with_existing_tasks **Type:** Session Test	**Precondition(s):** User is authenticated and has at least 1 task in planner. **Step(s):** - User navigates to the 'Tasks' screen. - User clicks on the start session button. - User selects the option 'work on existing tasks'. **Input(s):** Selection of type of work (i.e., on existing tasks).	Successful start of working session – task in planner is displayed with a timer and buttons to stop the session and mark the current task as complete.	N/A
Name: add_custom_break **Type:** Break Addition Test	**Precondition(s):** User is authenticated. **Step(s):** - User navigates to the 'Breaks' screen. - User clicks on the add custom break button. - User fills all of the required fields for the break activity. - User clicks on the done button. **Input(s):** Break activity details (i.e., description, duration, and optionally a video	Successful addition of break activity – custom break is in the list of break activities.	N/A

	link that acts out the activity)		
Name: update_stats **Type:** Stats Update Test	**Precondition(s):** User is authenticated and has just completed a working session. **Step(s):** - User navigates to the 'Stats' screen. **Input(s):** N/A	Successful update of stats – stats include the analysis of the most recent working session.	N/A
Name: sort_tasks_by_priority **Type:** Sorting Test	**Precondition(s):** User is authenticated and has at least 2 tasks in planner. **Step(s):** - User navigates to the 'Tasks' screen. - User clicks on the sort button. - User selects the option 'by priority'. **Input(s):** Selection of sort type (i.e., by priority)	Successful sorting of tasks – tasks in planner are sorted by priority.	N/A