

CS25 Black Box Test Plan

Test ID	Description	Expected Results	Actual Results
TestName:Invalid Timer User Input (Ruba Babiker) Black Box	Preconditions: User inputs a character that's not a number into pomodoro timer Steps: assert that the input is a digit (int or double) rather than a character or string. Test Inputs: hello, two	Test Outputs: this value is not supported please enter characters '0-9'	
TestName: Request insights on first use (Ruba Babiker) Black Box	Preconditions: User requests to see their study insights the first time they use this app. Steps: Ensure that we have data from a previous use to show in the study insights. Test Inputs: User clicks "show me my study insights"	Test Outputs: Error message: "this is your first time studying therefore we haven't collected any insights yet"	
TestName:Distracted Alert User Input (Alfredo Rodriguez) Black Box	Preconditions: User is not at their computer or is distracted on unrelated tasks Steps: An alert pops up prompting the user to close it if they are still there and wish to continue studying. Assert that the alert is either "hidden" or "closed" after input. Test inputs: Click on close button,or click outside the alert container.	Test Outputs:The alert should close, hiding the pop up from the user interface and the time it stayed displayed should be collected and stored.	
TestName:Reset Pomodoro Cycle (Alfredo Rodriguez) Black box	Preconditions: A pomodoro study session must be in progress. Steps:The user clicks on reset in the middle of their pomodoro session. They are prompted with two	Test Outputs: On confirm: The session will start again with the same options the user originally chose. Any relevant data will be stored for the insights before it's reset for the new session. On cancel: The	

	<p>options, to confirm and reset the session, or cancel and continue where they left off</p> <p>Test Inputs: Confirm and cancel</p>	<p>confirmation window will disappear, the timer will continue and the session will resume.</p>	
<p>TestName: Invalid Date for Reminders (Minahil Malik)</p> <p>Black Box</p>	<p>Preconditions: User inputs an invalid or past date into the reminders option</p> <p>Steps: Assert that the month is a valid month, or assert that the date is a valid date for the month chosen, or assert that the date is later than today's date</p> <p>Test Inputs: 1/40/23, 0/12/23, 10/5/23</p>	<p>Test Outputs:</p> <p>If date is invalid: "This is not a valid date. Please enter a valid date."</p> <p>If the date has already passed: "Date must be set for the future. Please enter a different date."</p>	
<p>TestName: Finished Tasks in Reminders (Minahil Malik)</p> <p>Black Box</p>	<p>Preconditions: User has inputted tasks that they would like to be reminded about</p> <p>Steps: Check how much time is between the current date and deadline for the task, along with the importance of the task and the time commitment required. If there is enough time between the time commitment and the deadline and the task has not been started, send reminders every other day for a high priority task, every 3 days for a medium priority task, and every 4 days for a low priority task. If there is not enough time between the time commitment and the deadline and the task has not been started, send a reminder every day to start and finish the task.</p>	<p>Test Outputs:</p> <p>Enough time: "You have 7 days until this task is due. Make sure you begin before 5 days from now."</p> <p>Not enough time: "There is not enough time for you to finish your task, please begin today. You have 2 days left."</p>	

	<p>If the task has been started, send a reminder each day in the last 3 days about finishing it.</p> <p>Test Inputs: Task: finish HW3, Time Commitment: 2 days Deadline: 12/18/23, Priority: medium</p> <p>Task: study for exam, Time Commitment: 14 days Deadline: 12/13/23, Priority: high</p>		
<p>TestName: Insufficient Focus Time (Sophia Nadasy)</p> <p>Black Box</p>	<p>Preconditions: The total amount of focus time for the cycle must be greater than the total amount of break time.</p> <p>Steps: Calculate the total focus and break time based on the user input (multiply focus input by 4 and break input by 3 + long break) and if the total focus is less than the break, present an alert informing the user and asking them if they wish to proceed with the current settings.</p> <p>Test Inputs: focus: 5 min, break: 20 (test fails); focus: 20, break: 5 (test passes).</p>	<p>Test Outputs: If the test does not pass: "With the current settings, the total focus time is less than the total break time, this may not be ideal for a productive session. Do you wish to proceed?"</p> <p>If the test passes: Program presents the user with the settings confirmation page.</p>	
<p>TestName: Pause Pomodoro Cycle (Sophia Nadasy)</p> <p>Black Box</p>	<p>Preconditions: A pomodoro cycle is in progress.</p> <p>Steps: The user is in an active pomodoro cycle, in focus or break time, it does not matter.</p> <p>Test Inputs: pause, continue</p>	<p>Test Outputs: The user clicks pause: The timer and progress bars pause at their current position.</p> <p>The user clicks continue: The timer and progress continue their progression of the cycle from where they left off</p>	

		when pause was clicked.	
<p>TestName: Dinachi Utah</p> <p>Black Box</p>	<p>Preconditions: The focus bot requires user interaction within a certain period to ensure the user is actively engaged in the task.</p> <p>Steps: If no user interaction is detected for a specified duration, the bot should trigger a prompt to check if the user is still present and focused. If the user responds, the session continues. If not, the session ends.</p>	<p>Test Outputs: If user responds to prompt: "Welcome back! Your focus session is continuing." If user does not respond: "No activity detected. Focus session paused"</p>	
<p>TestName: Dinachi Utah</p> <p>Black Box</p>	<p>Preconditions: The user is in the middle of a focus session.</p> <p>Steps: During a focus session, the bot should handle interruptions such as a phone calls or app notification by either muting them or notifying the user</p> <p>Test Inputs: Incoming phone call during a focus session.</p>	<p>Test Outputs: If user chooses to mute and continue: "Interruption muted. Focus session is continuing." If user chooses to take a break: "Focus session paused."</p>	