

Test Case Scenarios for Pomodoro Feature

Test Case Scenarios

Scenario 1: Initial Burst Start

- **Objective:** To verify that the timer starts with the first burst automatically.
- **Steps:**
 1. Click the Start button.
- **Expected Result:** The very first burst should start automatically when the user start the timer.
- **Actual Outcome:** The first burst starts automatically when the user start the timer.
- **Result:** Pass

Scenario 2: Burst Length

- **Objective:** To verify that the burst length is 25 minutes.
- **Steps:**
 1. Start the timer.
- **Expected Result:** The length of the burst should be 25 minutes at start.
- **Actual Outcome:** The length of the burst is 25 minutes.
- **Result:** Pass

Scenario 3. a) Button Functionality - Start

- **Objective:** To verify that the Start button functions well.
- **Steps:**
 1. Click the Start button.
- **Expected Result:** The timer should start the burst.
- **Actual Outcomes:** The timer starts the burst.
- **Result:** Pass

Scenario 3. b) Button Functionality - Stop

- **Objective:** To verify that the Stop button functions well.
- **Steps:**
 1. Click the Stop button.
- **Expected Result:** The timer should stop the countdown.
- **Actual Outcome:** The timer stops the countdown.
- **Result:** Pass

Scenario 3. c) Button Functionality - Reset

- **Objective:** To verify that the Reset button functions well.
- **Steps:**
 1. Click the Reset button.
- **Expected Result:** The timer should reset to 25:00 minutes for burst, 5:00 minutes for break and 10:00 for long break.
- **Actual Outcome:** The timer resets to 25:00 minutes for burst, 5:00 minutes for break and 10:00 for long break.
- **Result:** Pass

Scenario 4: Burst Notification

- **Objective:** To verify that the notification "It's burst time. Stay focused!" appears when burst starts.
- **Steps:**
 1. Click on "Start" button to start the timer.
- **Expected Result:** A notification should appear: "It's burst time. Stay focused!"
- **Actual Outcome:** Notification doesn't appear.
- **Result:** Fail

Scenario 5: Pre-Break Notification

- **Objective:** To verify that the notification, "Your break begins in 30 seconds. Wrap up!" appears 30 seconds before the break.
- **Steps:**
 1. After clicking the "Start" button, wait until 24:30 minutes.
- **Expected Result:** A notification should appear: "Your break begins in 30 seconds. Wrap up!"
- **Actual Outcome:**
- **Result:** Fail

Scenario 6: First Break Start

- **Objective:** To verify that the break starts after 30 seconds countdown of the burst automatically.
- **Steps:**
 1. Wait for 30 seconds before the burst ends.
- **Expected Result:** After 30 seconds, the burst gets over and the break should begin.
- **Actual Outcome:** After 30 seconds, the burst gets over and the break begins.
- **Result:** Pass

Scenario 7: Automatic Switch to Break

- **Objective:** Verify automatic switch to break after burst ends.
- **Steps:**
 1. Wait until the burst timer reaches 0:00.
- **Expected Result:** Once the timer reaches to 0 seconds of the current burst time, it should automatically switch to break tab.
- **Actual Outcome:**
 1. In default setting mode: Once the burst ends, it is not switched to the break tab.
 2. In automatic setting mode: Once the burst ends, it is switched to the break tab.
- **Result:** Pass

Scenario 8: Break Notification

- **Objective:** To verify that the notification, "The break has begun. Please stop working and go have fun!" appears when break starts.
- **Steps:**
 1. Wait until the burst timer ends and break starts.
- **Expected Result:** A notification should appear: "The break has begun. Please stop working and go have fun!"
- **Actual Outcome:** Notification doesn't appear.
- **Result:** Fail

Scenario 9: Automatic Switch to Pomodoro after Break

- **Objective:** To verify that it is switched back to Pomodoro automatically after break.
- **Steps:**
 1. Wait until the break timer reaches 0:00 seconds.
- **Expected Result:** Once the break is over, the timer should switch to Pomodoro again automatically.
- **Actual Outcome:**
 1. In default setting mode: Once the burst ends, it is not switched to the break tab.
 2. In automatic setting mode: Once the burst ends, it is switched to the break tab.
- **Result:** Pass

Scenario 10: Break counter visibility

- **Objective:** To verify that the application shows UI of Pomodoro tab and the countdown of break is not shown.
- **Steps:**
 1. Wait until the break timer reaches 0:00 seconds.
- **Expected Result:** User should be moved to Pomodoro tab and the countdown of break should not be visible.
- **Actual Outcome:** User is moved to Pomodoro tab and the countdown of break is not be visible.
- **Result:** Pass

Scenario 11: Countdown of Second burst

- **Objective:** To verify that the countdown doesn't begin until the user clicks Start button in Pomodoro tab.
- **Steps:**
 1. Wait until the break timer reaches 0:00 seconds.
- **Expected Result:** The countdown should begin after the user clicks Start button in Pomodoro tab.
- **Actual Outcome:**
 1. In default setting mode: Once the break ends, it is not switched to the Pomodoro tab. The user should click on Pomodoro tab and click on Start button to start the countdown.
 2. In automatic setting mode: Once the break ends, it is switched to the Pomodoro tab and the countdown starts automatically.

- **Result:** Pass for Default setting and Fail for Automatic setting

Scenario 12: Iterative process

- **Objective:** To verify that the same process is followed and next break starts after 25 minutes.
- **Steps:**
 1. Start the timer.
 2. Let the timer run through multiple cycles.
- **Expected Result:** The next break should start after 25 minutes. The same process should be followed until the application reaches 4 burst.
- **Actual Outcome:**
 1. In default setting mode: The next break starts after 25 minutes and the same process is followed only after the user's interference.
 2. In automatic setting mode: The next break starts after 25 minutes and the same process is followed automatically until the application reaches 4 burst. After that the application is supposed to go for long break which it did.
- **Result:** Pass for Default setting but only after user's interference and Pass for automatic setting as well.