

Test Cases for Pomodoro Timer Web Application

Test Case ID: TC001

Title: **Verify Pomodoro first burst starts automatically**

Description: Ensure that the start button starts the timer of the 25-minute Pomodoro burst automatically.

Preconditions:

- User is logged in.
- User has access to new Pomodoro feature

Test Steps:

Step 1: Open the application and navigate to the Pomodoro Timer page. URL:

<https://www.toptal.com/project-managers/tomato-timer>

- Expected Result:
 1. Pomodoro page displayed with Start, Stop and Reset Button visible.

Step 2: Click the “Start” button.

Expected Result:

- The time begins with a 25-minute countdown.
- Notification that says, “It’s burst time, Stay focused” should be shown.

Step 3: Observe the timer.

Expected Result

- Timer is counting down from 25 minutes to 0.
- 30 seconds before the burst ends, “Your break begins in 30 seconds. Wrap up!” notification
- After 30 seconds of the last notifications, burst gets over and the break begins.

Actual Result:

- Pomodoro page was displayed with Start, Stop and Reset Button visible.
- The time began with a 25-minute countdown.
- Notification that says, “It’s burst time. Stay focused” was shown.
- The timer counted from 25 minutes to 0.

- 30 seconds before the burst ended, a “Your break begins in 30 seconds. Wrap up!” notification was shown.
- After 30 seconds of the last notification, burst got over and the break began.

Test Case ID: TC002

Title: **Transition from Pomodoro burst tab to break tab**

Description: After the completion of 25 minutes of the burst, the break should start by moving to the break tab for a duration of 5 minutes.

Preconditions:

- User is logged in.
- User starts the burst timer, waits 25 minutes to complete.

Test Steps:

Step 1: Wait for 25 minutes for the timer to run down.

Expected result:

- Tab switches to the break tab.
- 5-minute of countdown is initialized along with the notification “The break has begun. Please stop working and go have fun!”

Test Case ID: TC003

Title: **Transition from break tab to Pomodoro burst tab**

Description: After 5 minutes of break, the timer is switched to the Pomodoro again.

Preconditions:

- User is logged in.
- User started and completed the burst timer of 25 minutes.
- User also completed the break timer of 5 minutes.

Test Steps:

Step 1: Wait for the burst to complete.

Expected result

- Tab switches to the break tab

Step 2: Wait for the break timer to complete.

Expected result:

- Users should be moved to Pomodoro tab and break counter should not be visible.
- Timer should switch back to Pomodoro again.

Test Case ID: TC004

Title: **Second burst after the completion of the break**

Description: After 5 minutes of break, the timer is switched to the Pomodoro again. The countdown does not start till the user comes back and clicks the Start button.

Preconditions:

- User is logged in.
- User has completed the first burst and break.
- User is moved from break tab to the Pomodoro tab

Test Steps:

Step 1: User clicks the Start button

Expected result:

- Second burst starts with the same process of the burst as before.
- Countdown of 25-minute begins.
- Break of 5 minutes begins after the countdown

Test Case ID: TC005

Title: **Button Functionalities**

Description: Verify the buttons Start, Stop and Reset functions as they are named.

Preconditions:

- User should be in the Pomodoro timer page

Test Steps:

Step 1: User clicks the Start button

Expected result:

- Start button should start the 25-minute timer countdown.

Step 2: User clicks the Stop button

Expected result:

- Stop button should Stops the countdown timer.

Step 3: User clicks the Reset button

Expected result:

- Reset button should reset timer to the initial state.

Test Case ID: TC006

Title: **Notification Presence**

Description: Verify the presence of the notifications to be shown during the Pomodoro cycle.

Preconditions:

- User is logged in
- User has access to the Pomodoro feature

Test Steps:

Step 1: User Starts the timer.

Expected result

- Notification appears at the correct time.

Step 2: Observe the notification at the start of the burst.

Expected result

- Notification at the start of the burst “It’s burst time. Stay Focused!”

Step 3: Observe the notification 30 seconds before the burst ends.

Expected result

- Notification 30 seconds before the burst ends: “Your break begins in 30 seconds. Wrap up!”

Step 4: Observe the notification at the start of the break

Expected result

- Notification at the start of the break: “The break has begun. Please stop working and go have fun!”

Actual result:

- Notifications appeared at the correct times.
- Notification at the start of the burst “It’s burst time. Stay Focused!” is shown.
- Notification 30 seconds before the burst ends: “Your break begins in 30 seconds. Wrap up!” is shown.
- Notification at the start of the break: “The break has begun. Please stop working and go have fun!” is shown.