**TEST REPORT**

for E.gg timer software application

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# 1 Project Information

E.ggTimer is a countdown timer that aspires to be easy to use. The input accepts various types of time formats and the timer tries its best to figure out what users need.

# 2 Test Objective

The main objective of this Software Test Report (STR) is to summarise the results of testing functionalities of the E.gg timer software.

STR includes the objectives, coverage, and approach. This document will identify the test deliverables and what was deemed in and out of scope.

The initial phase will include all requirements defined in the Help section. These and any other requirements that get included must all be tested.

# 3 Test Coverage

During this testing process, most of the functionalities described in the Help and Setting page are covered by tests.

## 3.1 Areas Covered

The E.gg timer software consists of three areas for testing.

On the main page, the Home page's existence of elements is validated, function of the input field, Start button, Predefined time buttons, Twitter link, Help, and Setting button.

In the Help and Settings modal, the "x" button, all time-format example links, radio buttons, and dropdowns are validated.

For the Timer page, less functionality is covered by tests. URL inputs are tested, inserting labels, some sounds, and buttons in the toolbar.

## 3.2 Areas Not Covered

On the Timer page, long-time counting is not fully tested. For URL inputs, negative tests for labels are left to be tested (long words, special characters, label matches time value, etc).

In general, for every section, there is a space for more negative tests.

# 4 Testing Approach

As the project is already completed, it was applied the Reactive test approach technique.

Approaches that are used were:

- Analytical approach,

- Model-based approach,

- Dynamic and heuristic approaches,

- Methodological Testing approaches.

## 4.1 Test Environment

Application URL: https://e.ggtimer.com/

Browser version: Google Chrome Version 108.0.5359.125 (Official Build) (64-bit)

Browser version: Firefox 108.01 (64-bit)

## 4.2 Test Cases

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Description | Test Steps | Test Data | Expected Results | Actual Results | Status |
| 1 | Check “/Enter time” Input Field | 1. Go to <https://e.ggtimer.com/> 2. Enter valid Test Data 3. Press the “Enter” keyboard button | 100 | The user is navigated to the Timer page. Since no unit is defined, the counter will by default start to count down 100 seconds (1 minute 40 seconds  ) | As expected | Pass |
| 2 | Check “/Enter time” Input Field | 1. Go to <https://e.ggtimer.com/> 2. Enter valid Test Data 3. Press the “Enter” keyboard button | 1000 | The user is navigated to the Timer page. Since no unit is defined, the counter will by default start to count down 1000 seconds (16 minutes 40 seconds  ) | The user is navigated to the Timer page. Since no unit is defined, the counter will start to count down for example 21 hours 18 minutes 42 seconds, and cannot be refreshed | Failed |
| 3 | Check the “Start” button | 1. Go to https://e.ggtimer.com/ 2. Enter valid Test Data 3. Click the “Start” button | 30m | The user is navigated to the Timer page, the counter will start to count down 30 minutes | As expected | Pass |
| 4 | Check disabe the “Start” button | 1. Go to <https://e.ggtimer.com/> 2. Enter invalid Test Data 3. Click the “Start” button | abc | The button is disabled, tooltip <Please enter a valid time. Try "15 minutes" or "9:00pm"> appeared | As expected | Pass |
| 5 | Check common timers buttons | 1. Go to <https://e.ggtimer.com/> 2. Click one of the common timers buttons | "/Pomodoro" | The user is navigated to the Timer page, the counter will start to count down 25 minutes, URL contains /pomodoro | As expected | Pass |
| 6 | Check tooltips common timers buttons | 1. Go to <https://e.ggtimer.com/> 2. Mouse hover one of the common timers buttons | "/Tabata" | Tooltip <8 reps of 20s high, 10s low intensity> is displayed | As expected | Pass |
| 7 | Check the Help and Settings button | 1. Go to <https://e.ggtimer.com/> 2. Click the “Help and Setting” button | N/A | The Help and Settings modal is opened and operative | As expected | Pass |
| 8 | Check link navigation from the Help section in the modal | 1. Go to <https://e.ggtimer.com/> 2. Click the “Help and Setting” button 3. Click an example from the “Example time formats” list | “Mothers Day” | The user is navigated to the Timer page on the new tab and the counter will start to count days until Mothers Day, URL contains “Mothers Day” | As expected | Pass |
| 9 | Check adding label by clicking an example in the Adding label section | 1. Go to <https://e.ggtimer.com/> 2. Click the “Help and Setting” button 3. Scroll down until Adding label section 4. Click “/Party!/in/3minutes” in the Adding label section | N/A | The user is navigated to the Timer page on the new tab and the counter will start to count 3 minutes, label “Party!” is visible above the counter, URL contains “/Party!/in/3minutes” | As expected | Pass |
| 10 | Check adding label by inserting a value into the URL by following the instruction | 1. Go to <https://e.ggtimer.com/> 2. Click the “Help and Setting” button 3. Scroll down until Adding label section 4. Check the instruction for adding value 5. Add label into the URL in format “/(time value)/until/(label)” | https://e.ggtimer.com/(3minutes)/until/(lunch) | The user is navigated to the Timer page on the new tab and the counter will start to count 3 minutes, label “lunch” is visible above the counter, URL contains “/3minutes/until/lunch” | Brackets in the instruction can be misleading until a user sees the format in the example without brackets. URL will work in the format “/3minutes/until/lunch” | Failed |
| 11 | Check the dropdown menu in the Settings area | 1. Go to https://e.ggtimer.com/ 2. Click the “Help and Setting” button 3. Scroll down until “Timer Theme” in the Settings area 4. Select a theme from a dropdown menu 5. Click on the “x” button or anywhere on the page to close the modal 6. Start the timer 7. Observe | “Sunset” | The timer theme is changed to the “Sunset” theme, which can be noticed on the timer toolbar also | As expected | Pass |
| 12 | Check “Time expired” notificatiofication | 1. Go to https://e.ggtimer.com/ 2. Start the timer by inputting a valid time value in the input field 3. Observe | 10 | The user is navigated to the Timer page, the counter will start to count down 10 seconds. When the countdown is done, the “Time Expired!“ label and banner will appear on the counter page | As expected | Pass |
| 13 | Check “Do Not Show This Again" banner button on the Timer page | 1. Go to https://e.ggtimer.com/ 2. Start the timer by inputting a valid time value in the input field 3. Click “Do Not Show This Again" button 4. Reload timer | 25 | The user is navigated to the Timer page and the banner will appear with two buttons: “Do Not Show This Again" and “Enable Audio”. When the user clicks on the first button, and reloads the timer, the banner will not appear again | As expected | Pass |
| 14 | Check “Do Not Show This Again" banner button tooltip | 1. Go to https://e.ggtimer.com/ 2. Start the timer by input valid time value in the input feild 3. Hover and hold mouse on the “Do Not Show This Again" button 4. Wait for the banner to disappear | 25 | After hovering the button, “This banner will no longer appear but you will still have to interact to enable audio” tooltip will appear. The tooltip should disappear when the cursor is moved or when the banner disappears. | The tooltip does not disappear with banner | Fail |
| 15 | Check hide/show the Timer toolbar | 1. Go to https://e.ggtimer.com/ 2. Start the timer by inputting a valid time value in the input field 3. Click the Down arrow on the Timer toolbar 4. After the toolbar disappears, click the same arrow, now pointing up to unhide the toolbar | N/A | After a user clicks the arrow toolbar will disappear. When the toolbar is hidden, a user needa to click the arrow to unhide the toolbar | As expected | Pass |

## 4.3 Defect Report

During this testing process, two defects and one misleading instruction in documentation were found. Two bugs are reported, and possible improvement is noted in the Test report.

# 5 Test Summary

5.1 Metrics

Number of test cases planned/executed: 20/20;

Number of automated test cases: 5;

Number of test cases passed/failed: 17/3

Number of identified defects with status and severity: Identified:2, Status: reported, Severity: Medium