**Testing approach:**

**Smoke Test:**

1. Verify the URL "https://e.ggtimer.com/" is opening successfully.

2. Verify the count down timer for 5 minutes is started after clicking the button.

3. Verify the count down timer for 10 minutes is started when the link "https://e.ggtimer.com/10 minutes" is opened.

4. Verify the count down timer for 30 minutes is started after typing "30 minutes" in the text box and the start button is clicked.

5. Verify the "Help and settings" pop up is opened after clicking the help and settings button.

**UI Tests**

1. Test whether the URL "https://e.ggtimer.com/" is opening successfully.

2. Verify there is a text box to enter the time value and a start button

3. Verify there are 6 sample timer buttons and UI display.

4. Verify the all toolbar buttons in the countdown timer page(Reset, Back, mute, notification, theme, help settings).

5. Verify the alert at the end of the timer.

6. Verify the time expired message at the end of the timer.

**Functional tests**

1. Verify by giving a numeric in the text box and clicking start in default it is taken as seconds
2. Verify that the countdown timer is taken as (seconds or minutes or hours) when giving a time value in format “ n <time\_unit>” in the textbox and clicking start
3. Verify that the countdown timer is taken as (days or months or year) when giving a time value in format “ n <time\_unit>” in the textbox and clicking start
4. Verify that the countdown timer is taken as (seconds or minutes or hours) when appending “/n <time\_unit>” to the URL
5. Verify that the countdown timer is taken as n (days or months or year)when appending “/n <time\_unit>” to the URL
6. Verify that the countdown timer begins for the specific holiday when giving a valid holiday value in the text box example “Christmas”
7. Verify the Help and settings button.
8. Verify the count down timer by giving a specific date in the text box example(23 December 2023)
9. Verify the countdown timer by giving a specific time in the text box example(5 pm)
10. Verify the countdown timer by giving URL in format “https://e.ggtimer.com/(time value)/until/(label) example: https://e.ggtimer.com/5minutes/until/teabreak
11. Verify the countdown timer by giving URL in format “https://e.ggtimer.com/(label) /for/(time value) example: https://e.ggtimer.com/game/for/10 minutes
12. Verify the countdown timer by giving URL in format “https://e.ggtimer.com/(label) /in/(time value) example: https://e.ggtimer.com/rocket launch/in/20 seconds
13. Verify the countdown timer by giving URL in format “https://e.ggtimer.com/(label) /at/(time value) example: https://e.ggtimer.com/game/at/10 pm.
14. Verify the countdown theme by giving URL in format “https://e.ggtimer.com/(value)?theme=gg\_timer\_digital”.
15. Verify the sound at the theme by giving URL in format “https://e.ggtimer.com/(value)?theme=gg\_timer\_digital”.

Note: All URL parameters needs to be tested

Test Data:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| s.no | Time Value/Parameter | In text box | Append to URL | Status |
| 1 | Seconds | 10 |  | Pass |
| 2 | Minutes |  | 2 | Pass |
| 3 | Hours |  | 1 | Pass |
| 4 | Days |  | 25 | Pass |
| 5 | Months |  | 35 | Pass |
| 6 | Years | 5 |  | Pass |
| 7 | Time | 6 PM |  | Pass |
| 8 | Date | 27 February 2023 |  | Pass |
| 9 | Holiday | Christmas |  | Pass |
| 10 | Format A |  | /rocket launch/in/20 seconds | Pass |
| 12 | Theme |  | /20 minutes?theme=gg\_timer\_digital | Pass |
| 13 | Invalid character | iujy |  | Pass |
| 14 | Invalid date | Feb 31 |  | Fail |