

Fizz Buzz Time! (Frontend Developer Exercise)

Tenet3 would like to remind customers to take a little time to *Fizz* and *Buzz* during their workday. Develop an application using the JavaScript and styling frameworks of your choice to allow a user to start, stop and reset a timer as well as view their total elapsed time.

Technical Requirements

Elapsed time should be displayed in an **h:MM:SS** format where **h** is hours, **M** is minutes zero-padded and **S** is seconds zero-padded. For example, 4 hours, 8 minutes and 23 seconds of elapsed time would display as **4:08:23**. The total elapsed time will not exceed **9:59:59**.

The application should display the text **fizz** or **buzz** when the total elapsed time (in seconds) is a multiple of *fizz* or *buzz* respectively. The application should display **fizzbuzz** whenever the total elapsed time is a multiple of both *fizz* and *buzz*. The user should be able to enter an integer value for *fizz* and *buzz*. The *fizz* and *buzz* values will range from 2 through 10 seconds (inclusive). *Fizz* and *buzz* values cannot be changed once any time has elapsed (i.e. the elapsed time is greater than zero).

For instance, if *fizz* is 2, *buzz* is 3 and the total elapsed time is 1 minute 6 seconds, the application should display **fizzbuzz**.

The user may start or continue measuring elapsed time using the **start** button. The user may stop the recording of elapsed time using the **stop** button. Pressing the **stop** button while the timer is stopped will reset the elapsed time to **0:00:00**.

Assume that customers will be US-based English speakers using up-to-date Chrome or Firefox browsers.

Design Requirements

Global Styling:

- **Font-family:** Arial
- **color:** #707070 (Unless otherwise specified.)
- All content should be center horizontally and vertically on the page. Unless otherwise specified.

Page 1:

The first line should have a **font-size:** 30px; with “Values should be...” text set to ****. Vertical spacing between the first line and the second line is 40px.

“Fizz:” and “Buzz:” should be `font-size:18px` Fizz and buzz input boxes styling:

```
width: 100px;
padding: 8px 16px;
border: 1px solid #707070;
background-color: #F5F5F5;
border-radius: 5px;
font-size: 16px;
margin-right: 40px;
```

The vertical spacing between this line and the “Go to Timer” button is 50px.

“Go to Timer >” button styling:

```
border: 2px solid #707070;
color: #707070;
padding: 15px 30px;
text-align: center;
font-size: 16px;
font-weight: bold;
cursor: pointer;
border-radius: 5px;
```

Page 2

“< Set Times” button should be positioned in the top-left corner. Use same styling as “Go to Timer >” button.

The first line, “Time Elapsed”, `font-size: 30px`. The spacing between this line and the counter container is 50px.

The counter container styling should be:

```
font-size: 30px;
font-weight: bold;
border: 2px solid #707070;
border-radius: 5px;
width: 640px;
background-color: #F5F5F5;
padding: 28px
```

The vertical spacing between the counter container and “Start” and “Stop / Replace” buttons is 50px.

The “Start” button has a `background-color: #5CCC87`; and “Stop / Reset” button has a `background-color of #E66666`. There is a `margin-right: 30px`; applied to the start button. The rest of the styling for both of these buttons should be:

```
width: 200px;
border: none;
border-radius: 5px;
color: white;
padding: 15px;
text-align: center;
font-size: 16px;
font-weight: bold;
cursor: pointer;
```

The vertical spacing between these buttons and “Fizz” text is 65px.

The “Fizz” text has a `font-size: 80px` and `font-weight: bold`.

Video

See `fizzbuzztime.mp4` which was sent with this document.

Mockups



Please enter a fizz and buzz time in seconds. **Values should be 2 to 10, inclusive.**

Fizz: Buzz:

[Go to Timer >](#)

Figure 1: Page 1 Mockup

< Set Times

Time Elapsed

4:08:23

Start

Stop / Reset

Fizz

Figure 2: Page 2 Mockup