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 stopbutton. 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 and "Start" and "Stop / Replace" buttons is $50 \mathrm{px}$.

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 ${\tt fizzbuzztime.mp4}$ which was sent with this document.

Mockups

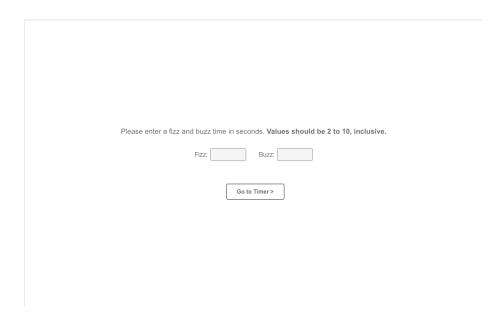


Figure 1: Page 1 Mockup

< Set Times



Figure 2: Page 2 Mockup