

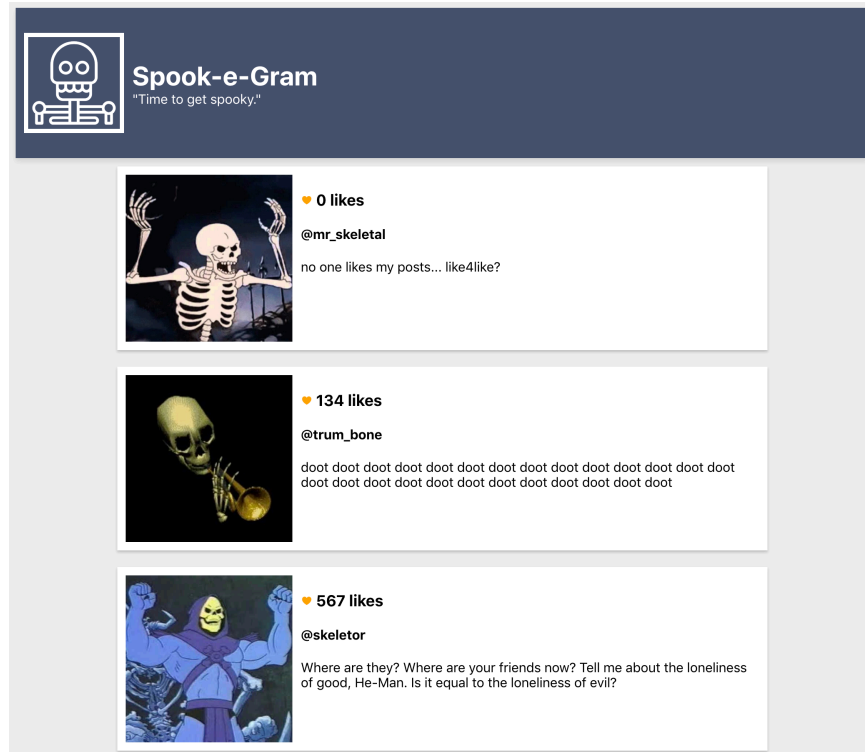
CS-146 Homework 2

Responsive Websites with Flexbox

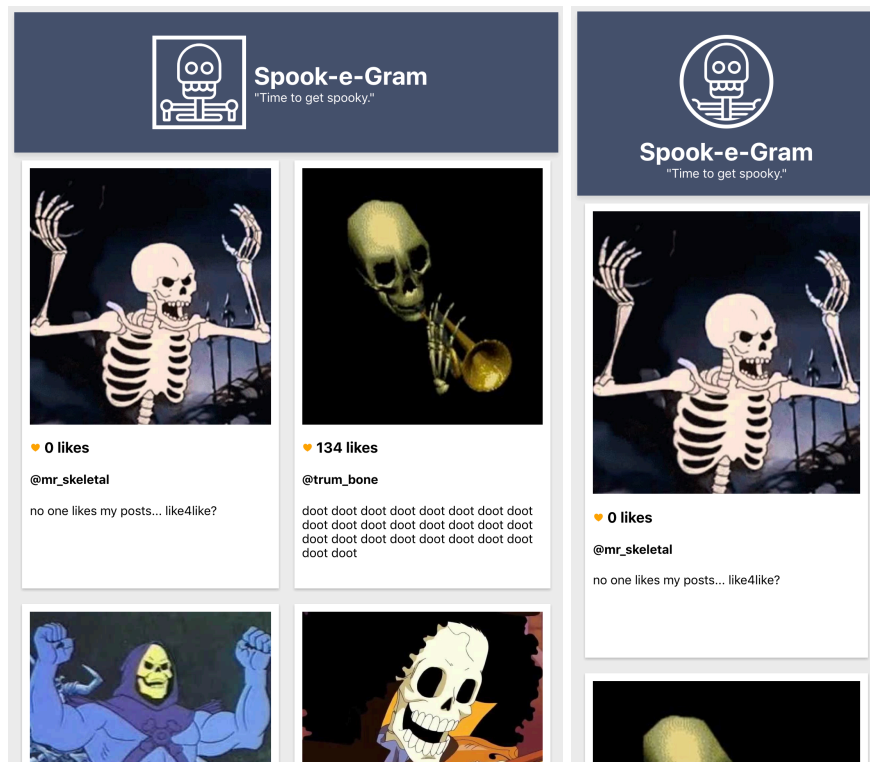
1 Assignment Objectives

The goal of this assignment is to sharpen your skills with CSS3, specifically responsive design and flexbox. In this assignment, you will **only be writing CSS**, the HTML is provided for you. Using media queries, your website's style will respond differently based on the page's width. This assignment is to be completed **individually**, you are permitted (and encouraged) to use online resources like Mozilla's MDN. In addition, it is recommended to complete some challenges on Flexbox Froggy to learn the basics of Flexbox.

If done properly, your CSS should result in the following views:



Desktop



Left: Tablet, Right: Phone

2 Setup

For this assignment, you will be editing one file, [solution.css](#), which is linked to [page.html](#). If you open [index.html](#), it will show three frames of [page.html](#) with different widths for **desktop**, **tablet** and **mobile** views to assist you with responsive development. You **must not** edit these html files.

3 General CSS

The first part of the assignment is to create the general properties that will be used with commonly with all widths of your webpage. Style the following elements as directed:

- **body**
 - Background color of **#eee**
- **header**
 - Background color of **#49516f**
 - Must have a flexbox layout
 - Have *items aligned* to **center**
 - Padding of **20px** top and bottom
- **header h1**
 - Margin of **0** on all sides
 - Text color of white
- **header span**
 - Margin of **0** on all sides

- Text color of white
- `.logo` class
 - Padding of `5px` on all sides
 - Margin of `10px` on all sides
 - Height and Width of `100px`
 - Border of `5px` width, `solid` type and `white` color
- `.posts` class
 - Must have a flexbox layout
 - Flex elements must *wrap* into multiple lines
- `.post` class
 - Must automatically grow to flex parent (Hint: MDN Link)
- `.post-body` class
 - Height of `200px`
- `.post-body` class
 - Height of `200px`
- `.post-container` class
 - Margin of `10px` on all sides
 - Padding of `10px` on all sides
 - White background color
 - Must have a flexbox layout
 - Have *items aligned* to `center`
- `.post-pic` class
 - Height and Width of `200px`
 - Right margin of `10px`

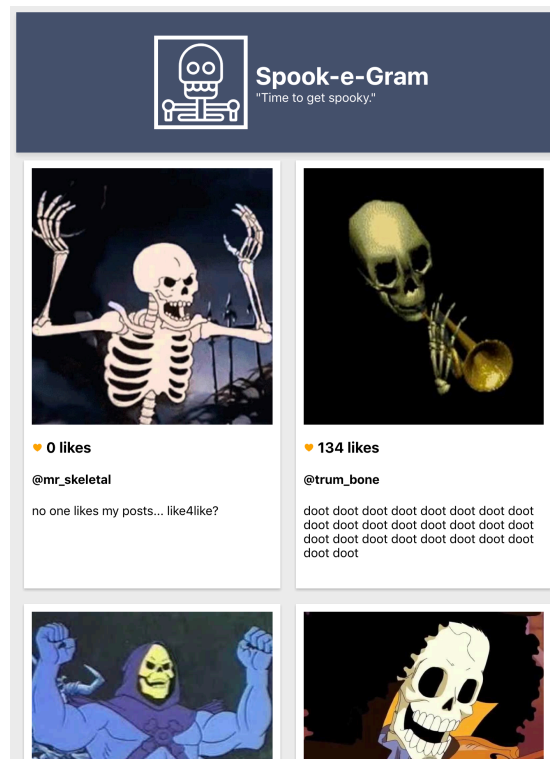
3.1 Responsive View I: Desktop

This will be your first *media query* that you create in your `solution.css` file. This media query should match the media where the minimum width is `999px`. These are the properties that the query will overwrite:

- `.posts` class
 - Set the direction of the flexbox to `column`
 - *Align the items* of the flexbox to `center`
- `.post` class
 - Set the *maximum width* to `800px`
 - Set the element to automatically flex to it's parent
-

If done correctly, you should see that elements in the header are centered and the posts will grow to a maximum of `800px`:



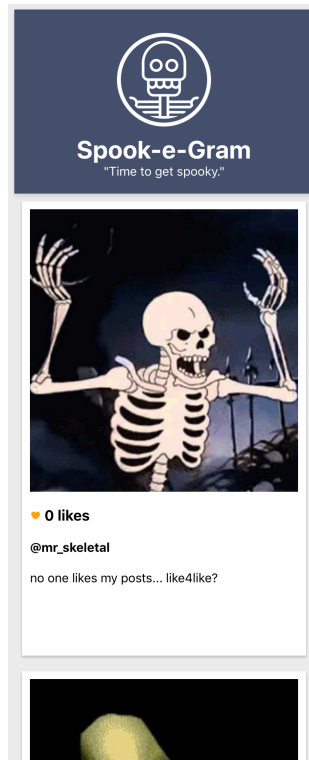


3.3 Responsive View III: Phone

Your last media query will be for the Phone view that match the maximum width of 399px. Here are the properties:

- `header`
 - Have the *flex direction* to a `column`
 - Align text to the center (Hint: you don't need flex for this one)
- `.logo` class
 - Have the border radius be 50%
- `.posts` class
 - Must have an automatic flex basis
 -
 - Have the *flex direction* to a `column`
- `.post-container` class
 - Have the *flex direction* switch to a column
- `.post-pic` class
 - Width of 100%
 - Height of `auto`

The correct style for your phone view should resemble the following:



4 Submission

Upload your `solution.css` file to Canvas as `LastName_FirstName_Assignment2.css`.

Good Luck!