CS 465P/565 – Fall 2019
Full Stack Web Development

Assignment 4 - JavaScript

- ❏ In your repo for in-class assignments, create **a separate folder for assignment #4**. As with the CSS exercises, you can either write your JavaScript code within <script> tags in your .html file or you can create a separate .js file that you link in your .html file.

- ❏ For **exercise1.html**: FizzBuzz. Write a program that uses console.log to print all the numbers from 1 to 100, with some exceptions. For numbers divisible by 3, print "fizz" and for numbers divisible by 5 (but not 3), print "buzz. For numbers divisible by 3 and 5, print "fizzbuzz."

- ❏ For **exercise2.html**, write a function that reverses the digits in a number. Print output to the console.

  > input: 231756
  >
  > output: 657132

- ❏ Make a copy of last week's Bootstrap form and call it **exercise3.html.** Whenever the user submits the form, output the data from the form in the following format to the console:

  > name: Jane Doe
  >
  > email: jane@janedoe.com
  >
  > message: This is a test message.

  Whenever the user clicks the "reset" button, reset the values of each input field.

- ❏ For **exercise4.html**, output the width and height of the window (any time the window is resized). Create two <div> elements to output the values of the width and the height on the webpage. Whenever the window is resized, those two values should update.

- ❏ For **exercise5.html,** create a button, and whenever the user clicks that button, your JavaScript program should set the background color of the page to a randomly generated hexadecimal color code (i.e. **#4361F0**)**.**
- ❏ Push all your code to your GitHub remote repo. Submit all in-class assignments during the Friday of week 8. at 11:59 PM.