Lab: Using JavaScript and Deploying a Website

In this lab, you'll demonstrate your ability to use JavaScript, as well as how to use GitHub for deployment. This lab may be completed during a provided work period or outside of scheduled class time, as indicated by your instructor.

Instructions

1. Working individually, update the provided website to add interactive functionality using JavaScript.

2. Deploy your website using GitHub.

3. Fill out the following form https://forms.office.com/r/0rr50Xd8nR. Provide the URL for your website in the format **https://USERNAME.github.io/REPO-NAME**, where USERNAME has been replaced with your GitHub ID and REPO-NAME has been replaced with the name of the repository

4. Upload the following to Brightspace:

    - A zip file containing the following files and folders for your website:

        o Your **index.html** file

        o A **styles** folder containing styles.css

        o An **images** folder containing the images for your page

        o A **scripts** folder containing one or more JS files, named semantically

        o A screenshot showing successful validation of your JavaScript file from https://beautifytools.com/javascript-validator.php

5. Submit your lab by the due date listed in Brightspace. See the marking criteria below for details on how you will be assessed.

Marking Criteria

	0 Marks	**1 Mark**	**2 Marks**	**Marks**
HTML	No HTML is submitted.	Code is visible on the page.	Page renders without visible errors.	/2
HTML	No HTML is submitted.	HTML has been modified.	HTML has not been modified.	/2
CSS	CSS is not submitted.	CSS has been modified.	CSS has not been modified.	/2
JavaScript	JavaScript is not included.	JavaScript is embedded within HTML.	JavaScript is contained in its own file, linked to index.html.	/2
JavaScript	Variables are not included.	Variables are used incorrectly.	Variables use appropriate data types.	/2
JavaScript	Cost recalculation logic is missing or non-functional.	Cost recalculation logic is partially correct.	Cost recalculation logic works as expected.	/2
JavaScript	Model switch logic is missing or non-functional.	Model switch logic is partially correct.	Model switch logic works as expected.	/2
JavaScript	Duration change logic is missing or non-functional.	Duration change logic is partially correct.	Duration change logic works as expected.	/2
JavaScript	JavaScript is not included.	JavaScript has warnings.	JavaScript has no errors or warnings.	/2
GitHub	Link not provided.	Link does not work or is not in the expected format.	Link works in provided format.	/10
Framework	No files or folders are included.	Framework is missing elements or does not follow expected structure.	Folder structure is as expected.	/2
Total				/30