**Student Name: Weight: 10%**

**Student ID:** **Marks:** **/30**

# 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. Upload the following to Brightspace:

* 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 containing the following files and folders for your website:
* Your **index.html** file
* A **styles** folder containing styles.css
* An **images** folder containing the images for your page
* A **scripts** folder containing one or more JS files, named semantically
* A screenshot showing successful validation of your JavaScript file from <https://beautifytools.com/javascript-validator.php>

1. 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 |