



ASSIGNMENT 2: Photo Gallery

DESCRIPTION

Using the provided HTML, CSS, and JavaScript as a starting point, build a simple image gallery that features a collection of thumbnail images that can be clicked on for a full-sized version.

INSTRUCTIONS

1. Download the provided .zip file (includes HTML, CSS, and JS), extract the contents, then open the HTML file in a browser.
2. Examine the HTML – the ‘featured’ image will display in the `` element inside the `<figure>` element. Each of the thumbnails will appear inside the list items below.
3. Look inside the images folder at the five full-sized images to be used in the gallery. They are optimized JPG files at **1200x800px**. The folder also includes thumbnail versions for each image at **240x160px** each.
4. Edit the HTML so that the first image is featured inside the `<figure>`, and that the list items feature each of the thumbnail images.
5. Build the **JavaScript** required to enable a user to *click* on a thumbnail image and view the full-sized version inside the `<figure>` element above.



TAKE IT FURTHER



6.
 - ✚ Dynamically build the `` thumbnail list from an *array of images* so that the image gallery can handle any number of thumbnail images (rather than the five provided).
 - ✚ Capture some interesting information about each image and output the text to the `<figcaption>` element.
 - ✚ Use a CSS filter to make **inactive** thumbnail images render in **grayscale** and the current image in **full color**.
 - ✚ Try to use a JavaScript *Object* for *each gallery item* to **power the application**.
 - ✚ *Anything else that you can dream up...*
7. Once you’ve completed the functionality of the interface, add some CSS to make the page **visually attractive** (don’t spend too much time on this – *the focus is the JS*).
8. Ensure that all your **HTML**, **CSS**, and **JS** is well-commented, formatted, and organized.
9. Upload your application to a webserver.
10. Post **both** the **.zip file** and the **URL (webserver)** to **Assignment 2 on Blackboard**.

SUBMITTING YOUR WORK on Blackboard

*Post both the .zip file and the URL (webserver).

- File Name Format: A2-Group#.zip
- URL: upload your application and any media files to a webserver and then post a link to the document in the assignment on Blackboard. Your work will not be graded unless it is posted on a webserver.

EVALUATION

Please refer to the chart (assessment rubric) below. Your work will be graded on **how well** you followed the **assignment instructions** from both a **technical** and a **creative** perspective as spelled out in the rubric. This assignment is weighted in terms of your final mark as indicated on the course syllabus.

Criteria	Mark
TECHNICAL EVALUATION	
HTML, CSS, and JavaScript codes are valid, properly structured, formatted, and commented.	7
JavaScript is well organized, with appropriate variable names and helpful descriptions for each section of the script.	7
The basic functionality of the application is complete.	7
There are additional features and/or functionality that go beyond the basic application requirements.	7
CREATIVE EVALUATION	
The application is fun, intuitive, and easy to use - a pleasurable user experience.	7
The JavaScript is thoughtfully organized, and it offers a creative solution to the application requirements.	7
There are other innovative or imaginative elements of the script that go beyond the basic application requirements.	7
<i>Thanks for your submission</i>	+1
TOTAL	50