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 `<img>` 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.
6. 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).
7. Ensure that all your HTML, CSS, and JS is well-commented, formatted, and organized.
8. Upload your application to a webserver.
9. Post the URL to **Assignment 2** on Blackboard.

TAKE IT FURTHER

1. Dynamically build the `<ul>` thumbnail list from an array of images so that the image gallery can handle any number of thumbnail images (rather than the five provided).

2. Capture some interesting information about each image, and output the text to the `<figcaption>` element.
3. Use a CSS filter to make inactive thumbnail images render in grayscale, and the current image in full colour.
4. Try to use a JavaScript `Object` for each gallery item to power the application.
5. Anything else that you can dream up…

SUBMITTING YOUR WORK

Upload the HTML, CSS and any media files to a web server 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 web server.*

EVALUATION

Please refer to the chart (assessment rubric) below. You 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 is valid, properly structured, formatted and commented.	**/5**
JavaScript is well organized, with appropriate variable names and helpful descriptions for each section of the script.	**/5**
The basic functionality of the application is complete.	**/5**
There are additional features and/or functionality that go beyond the basic application requirements.	**/5**
CREATIVE EVALUATION	
The application is fun, intuitive, and easy-to-use – a pleasurable user experience.	**/5**
The JavaScript is thoughtfully organized, and it offers a creative solution to the application requirements.	**/5**
There are other innovative or imaginative elements of the script that go beyond the basic application requirements.	**/5**
TOTAL	**/35**