# Assignment – Dynamic Image Presentation

Design and code a web page as an interactive image presentation layer for your virtual client. Your HTML5/CSS/JavaScript based deliverable must provide the following:

### Assignment Specification

* A heading that identifies the web page.
* A presentation box for the display of images. The width and height of the presentation box is to remain constant.
* There should be four or more images of various dimensions to be displayed. Do not link to web image URLs.
* This web page must incorporate the usage of the following **HTML5** semantic tags:
* **<header>** tag for the container of heading(s)
* **<main>** tag
* **<article>** tag for the presentation box that contain a single **<img>** tag to **rotationally** display individual images
* **<aside>** tag for displaying the description of individual images
* **<footer>** tag for displaying a row of icons showing miniature image
* Other necessary/appropriate semantic tags
* This web page must NOT utilize the following:
* **<div>** tag for the building of containers or other purposes
* **<table>** and other table related tags
* HTML attributes that can be replaced by CSS properties
* This web page must utilize the following **CSS** properties:
* **box-shadow** for the displayed images
* **transition** for the row of image icons
* This web page must utilize **JavaScript** to
* Dynamically load and display individual images
* Dynamically compute and adjust the width and height of individual images based on the predefined dimensions of the display area. Note: The displayed images must not be distorted. I.e. the width/height ratio must conform to the size of the actual image file.
* Dynamically change the displayed images in the order dictated by the pressing of the right and left arrow keys.
* The remaining design criteria is to be decided by the web page designer.

### Assignment Requirements

* Hand in your assignment by date specified on the weekly schedule in media specified in the course overview. The completed assignment must include one **.htm**/**.html** file, one **.css** file, one **.js** file and necessary image files.
* Your **.htm**/**.html** file must pass the W3C Markup Validator’s checking process with no more than one warning.
* Your **.css** file must pass the W3C CSS Validator’s checking process with zero error or warning.

Note: This assignment is worth 20% of your final grade.

### Sample Assignment Layout

* See next page.







