# **A14.1 - Creating the JavaScript Page**

## **Goal**

* To add a JavaScript page to your homework website
* To create a photo gallery to the js.html

## **Description**

For this assignment, you'll:

* Add the js.html web page to your homework website
* Create a responsive photo gallery like the one we created in class to your js.html web page
* Add the necessary photos to your images folder
* Add the gallery.css to your css folder
* Create a js folder and add the necessary gallery.js document to your js folder
* Validate your html, css, and js code

### **Preparing Files**

1. Open GitHub.
2. Duplicate the a13 folder and rename it as a14
3. Download the [photos for the gallery](https://drive.google.com/file/d/1G4HRcZvADRh6SKncNDt4mKc3YjzQ6ryo/view?usp=share_link) from Google Drive

### **HTML**

#### **Document: js.html**

| * **Make a copy of your css.html document** * **Rename it as js.html** * **Make the necessary changes to the <head> section**   + **Title tab**   + **Add a <style>...</style> section for your css styling as you work on creating your responsive photo gallery** * **In the <body> section, make the appropriate changes to the <h2> element.** * **Delete the entire contents of the section of the page below the nav menu and above the footer section.**    + **The footer section will contain your copyright and contact me link – not the tutorial acknowledgement from Ms. Bane’s gallery\_demo footer.** * **Using the responsive photo gallery we created in class, create your photo gallery below the nav menu and above the footer.**   + **Above the gallery add an h3 element with the text: Creating a Photo Gallery (matches the h3 elements in html.html)**   + **If you weren’t in class or had problems, take a look at Ms. Bane’s** [**photo gallery page**](https://github.com/lcbane/CIS-118/tree/main/gallery_demo) **on GitHub**   + **You may or may not have to add a div to contain all the photo gallery html coding.**   + **You should use the supplied images and 3-4 images of your own.**   + **Your images should be no taller than 680 pixels and no wider than 1024 pixels. Use the** [**free image resizer**](https://www.adobe.com/express/feature/image/resize) **from Adobe (a3\_1).**   + **If you do not have any photos or images of your own that you want to use, check out the** [**PSC photo albums on Flickr**](https://www.flickr.com/photos/potomacstateweb/albums)**. (Corbin is in the soccer albums, Adin in the Trunk or Treat album, and Mr. Gardner in the Homecoming album.)**   + **You can also do a Google search for photos, but make sure to use ones with the appropriate licensing.**   + **Don’t forget to add alt text tags sizing information to your img src tags.** * **Create a <script>...</script> section just below the photo gallery to hold your JavaScript as you create the photo gallery.** * **Once you have your gallery created, check the page (see below) and make any necessary changes.** |
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**Take a look at your js.html in a browser window.**

* **Is it styled similarly to your html.html, and css.html pages?** 
  + **If not, what can you do?**
* **Has the addition of the photo gallery changed the responsiveness of the page?** 
  + **What can you do?**
* **Try using clear or the “clearfix hack.”** 
  + **Does it help?**
* **Do you need to use the “clearfix hack'' for another portion of your page?**

**Narrow the window.**

* **Does the page smoothly narrow?**
* **Does the footer interfere?**
* **Do you have to go into your fluid or your responsive styling to make changes for the gallery?**

### **CSS**

**Document: gallery.css**

| **Once you have gotten your js.html document working properly,:**   1. **Cut the css styling from the <style>...</style> section and paste it into a css document named gallery.css** 2. **Delete the style tags from the js.html document.** 3. **Add the <link rel…> to the gallery stylesheet to the <head> section below the other link rel items in js.html.** |
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| **Remember: If you have floated elements above a non-floated element, you will have to use the “new, modern clearfix hack”:**  Using the **:after** pseudo class selector to apply the “clearfix” method:  **.group:after {**  **content: "";**  **display: table;**  **clear: both;**  **}**  **OR you can add clear to the unfloated element. Example below:**  **footer {**  **width: 940px;**  **margin: 0 auto;**  **clear: both;**  **<!--Use this to clear the floats above container and to future-proof it.-->**  **}** |

### **JS**

**Document: gallery.js**

| **Once you have gotten your js.html document working properly,:**   1. **Create a js folder.** 2. **Create a js document named gallery.js and save it in the js folder.** 3. **Cut the JavaScript from the <script>...</script> section of js.html.** 4. **Paste it into the gallery.js document stored in the js folder.** 5. **Delete the script tags from the js.html document.** 6. **Add <script src…></script> to the head section just below the last <link rel…> in the js.html document.**   **Now, go back and check your js.html page again to make sure it still works properly.** |
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**Take a look at your js.html in a browser window.**

* **Is it styled similarly to your html.html, and css.html pages?** 
  + **If not, what did you accidentally delete/not delete?**
  + **Check the order of your stylesheet links and your script src tags.**
* **Has the responsiveness of the page changed?** 
  + **What can you do to restore it?**

**Narrow the window.**

* **Does the page smoothly narrow?**
* **Does the gallery interfere?**
* **Do you have to go into your fluid or your responsive styling to make changes for the gallery?**

## **Validation**

Make sure you validate your:

* All your [HTML documents](http://validator.w3.org/)
* All your [CSS documents](http://jigsaw.w3.org/css-validator/)
* All your JavaScript documents using one of the JavaScript Validators mentioned in [Top 5 JavaScript Code Validators](https://linuxhint.com/top-javascript-code-validators/)

**Previous errors that have not been corrected will have an increase in penalties.**

## **Submission**

* Same as before:
  + GitHub
    - Add the files to your repository (if you didn’t create them there)
    - Send me ([lcbane@mix.wvu.edu](mailto:lcbane@mix.wvu.edu)) an email telling me that you are submitting your assignment
      * Include a link to the Pages version of your GitHub js.html page
      * Tell me how your validation went and if you have any problems you couldn’t solve.
  + Google Docs
    - Compress your assignment folder
    - Upload it to your shared Homework folder
    - Send me ([lcbane@mix.wvu.edu](mailto:lcbane@mix.wvu.edu)) an email telling me
      * That you have uploaded your assignment
      * Tell me how your validation went and if you have any problems you couldn’t solve