Lauren Elbaum

Final Project Write Up

**Required** Minimum content:

1. Submit a (minimum four page) site.  ***All of the pages must use a common header, footer, and navigation.***

Yes they do

1. The navigation must clearly display the current page.

Yes they do

1. Each page should contain a main section that can be reached using a ***Jump to Content*** option with the first tab on the page.

Yes they do

1. With the exception of a landing page, each page must have a minimum of two paragraphs of text or two pictures or a combination of picture and paragraph.  This is a minimum.

Yes they do

**Required** including documentation

1. A description of the your responsive design choices and how to trigger them.  You are responsible for creating at least two media queries (combined with fluid measurements of course).  You must explain how your code improves the page, not just changes it. If you used Bootstrap, that can count as an “extra” but not one of the required two.

I used four media queries.

One of them is for a mobile/tablet view where everything in the grid displays as one column instead of two, on the three content heavy pages. This makes the content easier to see and read on smaller screens.

I have another media query that switches the tablet size view to two columns when the orientation of the tablet changes.

One media query takes care of the view greater than 1024px which is for laptops and larger which looks just like the tablet view above.

The fourth media query makes it so that when the colors are inverted in Safari, the a, h1, h2 and p tags have white backgrounds with blue letters to make them easier to read.

1. A description of where to find your uses of grid and/or flex box.  In addition to the location, you must explain why your choice is the most logical choice for that layout.   I expect that at least two containers will use grid or flex or that the same container will be used on multiple pages.

I have a grid on three out of the 4 pages. This made sense because it added a nice visual structure to my Top 5 lists.

1. A description of where to find at least two uses of javaScript and/or jQuery.  In addition to the location, you must explain how your code improves the page.  Make sure to clearly indicate whether you wrote the code from scratch or used something you found elsewhere.  If you are using something from elsewhere, describe the changes you need to make. This code can be very simple, but must have a purpose beyond demonstrating that you can do it.

One use of Javascript is the light box of students that I added to the “Learning page.” I modified the code from the homework to take out the sorting feature because it didn’t really make sense to sort these photos, they are all very similar. The code from the homework, I got from the mixitup suggested in class. It has WAVE errors in the code. Since this wasn’t a problem for the homework, I was told that there wouldn’t be any points deducted in the grading. The WAVE errors are from the condition when a picture is singled out on the page and then there is no alt-text and the link to the next (or previous) picture doesn’t have text. I did try to solve these problems by looking through the documentation and on stack overflow. I found that the alt-text problem has a solution in the documentation, to add a class data-alt to the <a> tag. However, I tried this, and it didn’t work. I didn’t find a solution for the link without text in my google searches, on stack overflow nor in the lightbox documentation.

There’s a JQuery effect on the About Lauren page that makes I’m a playful person expand and turn blue while the text turns white on hover. I liked it because it added a playful element to the site. I found the base code here: <https://jqueryui.com/animate/>. Then I changed it substantially, the colors, the width, the height and also the id words because those same words were used in the bootstrap code that I have and were initially giving everything weird padding.

1. Each page must validate on w3 and aXe.   If there are errors on the page (including contrast errors) you must include an itemized list of why each error is not an issue, e.g. background image negates color contrast error.  ***To repeat, you may NOT have contrast errors.***(If you really like your colors, use w3 to test making them slightly darker or lighter and/or you can increase font size.)

The videos on the Classroom Management Page and the Learning page don’t have audio tracks or captions on any of the pages. Since this wasn’t covered in class, I was told that these errors are not issues in the grading.

There are elements within the code that comes with YouTube’s videos that don’t pass the Axe validator. The error is: Ensures the contrast between foreground and background colors meets WCAG 2 AA contrast ratio thresholds

I tried many different google searches on different days to understand how to correct this error. The only thing I found was the w3 guidelines which said to change the background color. I tried to solve this problem by changing the different color backgrounds to the video, none of the colors I tried worked.

This is the basically the same information as above about Javascript that address the errors:

The Javascript has WAVE errors in the code. Since this wasn’t a problem for the homework, I was told that there wouldn’t be any points deducted in the grading. The WAVE errors are from the condition when a picture is singled out on the page and then there is no alt-text and the link to the next picture does not have text. I did try to solve these problems by looking through the documentation and on stack overflow. I found that the alt-text problem has a solution in the documentation, to add a class data-alt to the <a> tag. However, I tried this, and it didn’t work. I didn’t find a solution for the link without text in my google, searches, on stack overflow nor in the lightbox documentation.

1. Great responsive design.  I want to be impressed with at least three different behaviors or layouts.

This answer is the basically same as the answer as above.

I have four different views:

One of them is for a mobile/tablet view where everything in the grid displays as one column instead of two, on the three content heavy pages. This makes the content easier to see and read on smaller screens.

I have another media query that switches the tablet size view to two columns when the orientation of the tablet changes.

One media query takes care of the view greater than 1024px which is for laptops and larger which looks just like the tablet view above.

The fourth media query makes it so that when the colors are inverted in Safari, the <a>, <h1>, <h2> and <p> tags have white backgrounds with blue letters to make them easier to read.

1. Visually appealing.  Nothing is broken, sloppy, or awkward.

Everything works, it’s clean and visually appealing.

Having this content along with the write-up will earn 160pts.  However, deductions will be made if your don’t follow good programming/accessibility concepts.

***Extras (these should be done without help from the instructors):***

For each of these extra you are required to include a comprehensive write-up of what you had to learn, how and where you implemented it in your site, how it makes your site better.  You will also need to schedule a time to demo your progress. Those demos will happen from December 3rd to Dec 13th during lecture, discussion, and office hours. ***You can sign up in Canvas.***

I used Bootstrap for my navigation. It was from a bootstrap theme and I changed it so that I could connect the nav bar to many pages instead of only one page with navigation that navigated to parts of a single page. I also took away all the other elements of the theme besides the nav. I also changed the colors so that they would pass Waze and Axe.

I used a lightbox to display images of my previous students. See above for information on the WAVE errors.

1. Fully check your site for accessibility (Worth 20 pts - but requires an extension write-up)

[*https://accessibility.deque.com/website-accessibility-checklist-download?utm\_campaign=Newbie%20Workflow&utm\_medium=email&\_hsenc=p2ANqtz-97ywurHWdDHb352K4CfQ\_h9bmGosU\_xaFDqahmYwdYe19Scu7bUqOPwHX6fhJTIDSwpy2eBapBhoiTVMFHO2crMhevBw&\_hsmi=67015059&utm\_content=67015059&utm\_source=hs\_automation&hsCtaTracking=9fb2d2bf-f974-4c7e-83af-013ccfc14bb9%7C06ce5202-55af-452c-a4f6-f2a3e784526f*](https://accessibility.deque.com/website-accessibility-checklist-download?utm_campaign=Newbie%20Workflow&utm_medium=email&_hsenc=p2ANqtz-97ywurHWdDHb352K4CfQ_h9bmGosU_xaFDqahmYwdYe19Scu7bUqOPwHX6fhJTIDSwpy2eBapBhoiTVMFHO2crMhevBw&_hsmi=67015059&utm_content=67015059&utm_source=hs_automation&hsCtaTracking=9fb2d2bf-f974-4c7e-83af-013ccfc14bb9%7C06ce5202-55af-452c-a4f6-f2a3e784526f)

1. Include advanced JavaScript or jQuery that we did not do in class together.  This is something you must do on your own without help from the teaching staff.  Complete a full write-up of what concepts you had to learn and what challenges there were.  Points earned will range from 5 - 10pts for each implementation depending upon the challenge.  Examples may include:
   1. A carousel (make sure it is accessible)
   2. Lightboxes
   3. Accordions
   4. Flip Card
   5. Modals

Your implementations must demonstrably improve your site.

I included a lightbox in my website on the “Learning” page. It’s different from the homework assignment I turned in because I took away the sorting feature. I didn’t think the sorting feature made sense in the context of these pictures since they are so similar and the experience of seeing them isn’t enhanced by sorting. Therefore, I took away the sorting feature for the lightbox.

1. Show advanced proficiency in grid AND flexbox.  (5 points)
2. Show advanced proficiency with Bootstrap - what did you do?  What were the challenges in doing it? (5 points)

I used Bootstrap for my navigation. It was from a bootstrap theme and I changed it so that I could connect the nav bar to many pages instead of only one page with navigation that navigated to parts of a single page. I also took away all the other elements of the theme besides the nav. The changes I made to the bootstrap navbar are written in the JS and CSS. I also changed the colors so that they would pass Waze and Axe. I also had some difficulty getting the navbar to show what page a user is on. When a user scrolled to the bottom of the page, the visual cue of what page they are on disappeared in the navigation. I found a work around in the CSS. This has been extremely challenging to use throughout the semester.

1. Have a different idea?  Run it past us before December 1st.