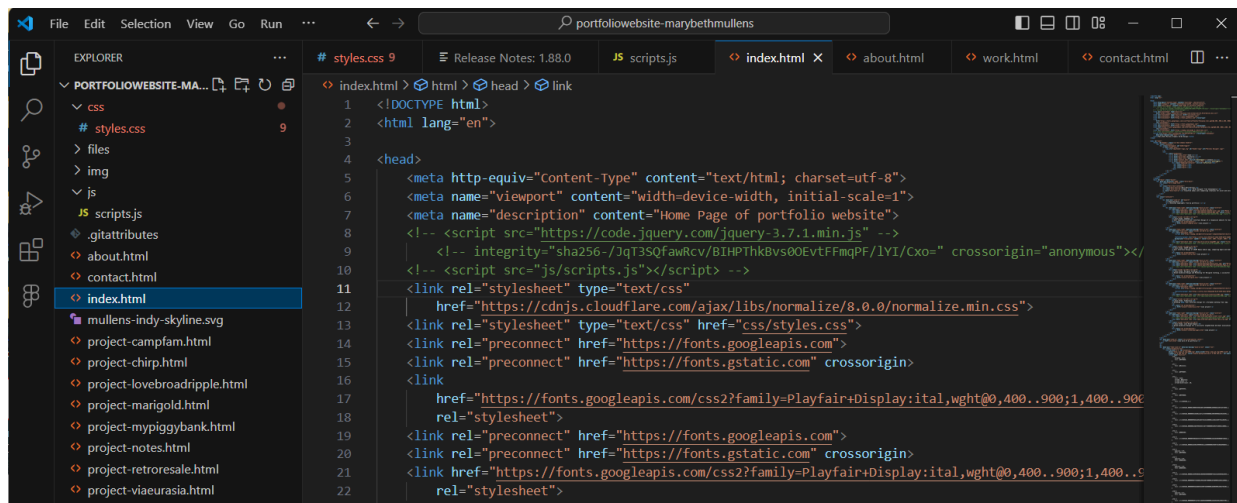# MULLENS design

Mary Beth Mullens
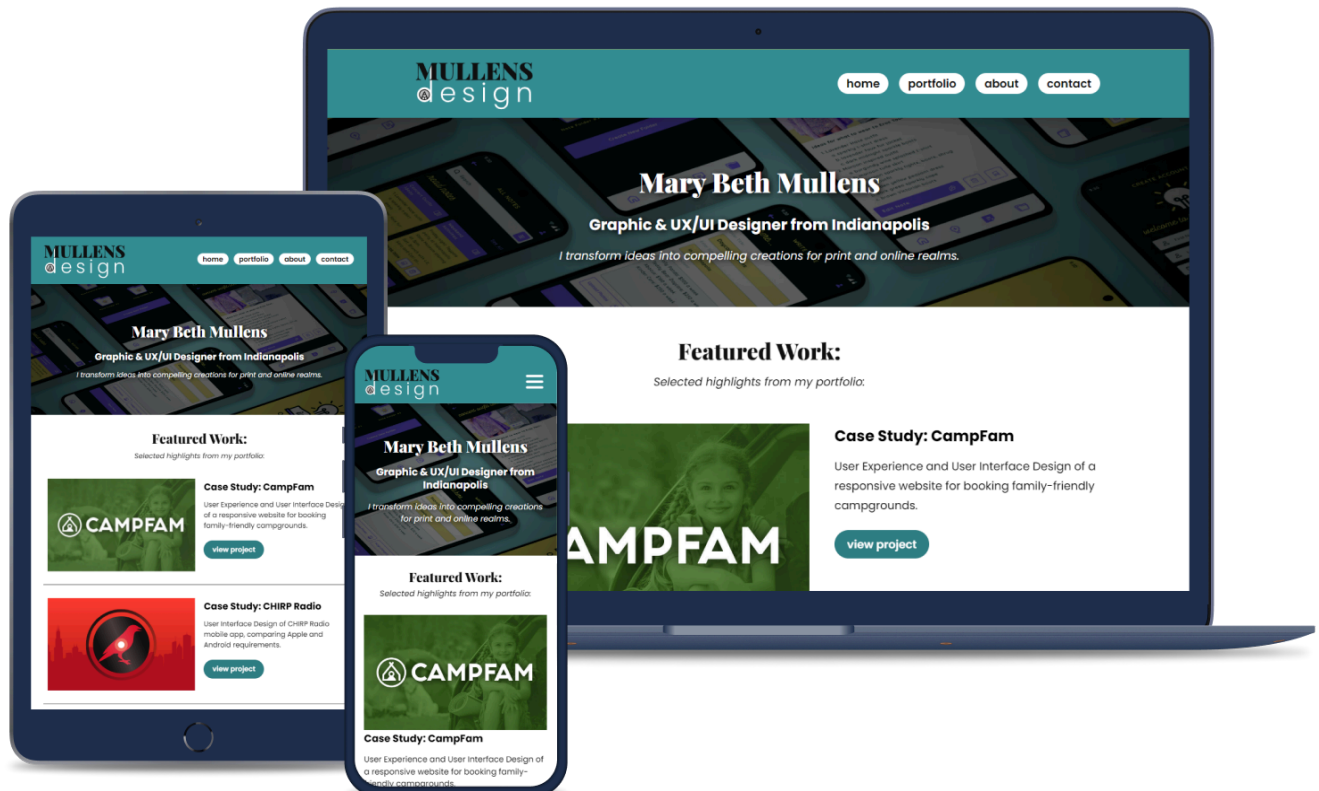
Graphic Designer & UX/UI Designer

Building My Portfolio Website

Walk with me through the process of coding www.mullensdesign.com

project brief:

Create a portfolio website to showcase my design projects, send to prospective employers and clients, and learn basic Front-end Development in the process.

context:

As a finishing step in my CareerFoundry UI Design program, I took a class to further my expertise called "Frontend Development for Designers," providing hands-on training and step-by-step lessons of building a website with HTML, CSS, and Javascript.

Learning about front-end development helps me improve my creative process, communicate better with web developers, and coordinate cross team projects. It also gives me the knowledge I need to make websites for small businesses or edit the code on existing ones!

goals:

1. **Design a fully-functional portfolio website hardcoded from scratch** without the use of CMS (Content Management Systems such as Wordpress or Wix)
2. **Study the fundamentals of front-end development** descriptive languages (HTML, CSS) and programming languages (Javascript and jQuery).
3. **Apply core skills such as building responsive layouts**, meeting accessibility requirements, and debugging a website.
4. **Add interactive & animated elements** to the site to grab attention.
5. **Curate and edit interesting, insightful case studies** for each portfolio project.
6. **Create a polished, visually appealing site** that puts my work in its best light.

process:

Here are the step-by-step tasks to develop the site:

Exercise 1: Getting Started

1. Identify user goals
2. Select projects to showcase
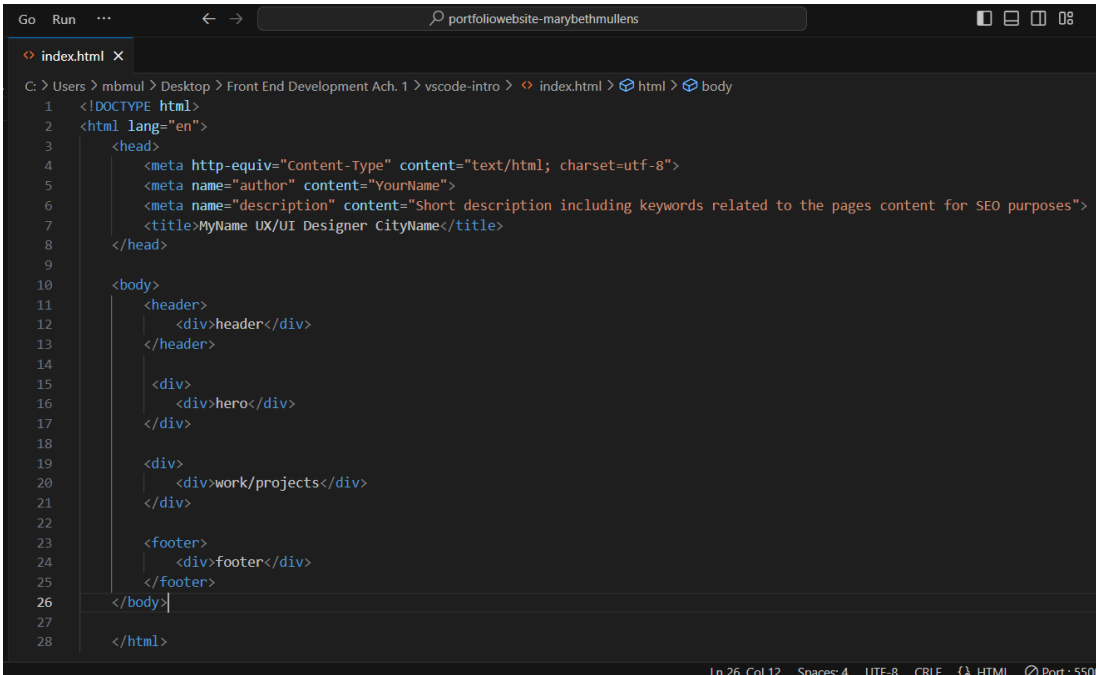3. Decide on basic structure of website
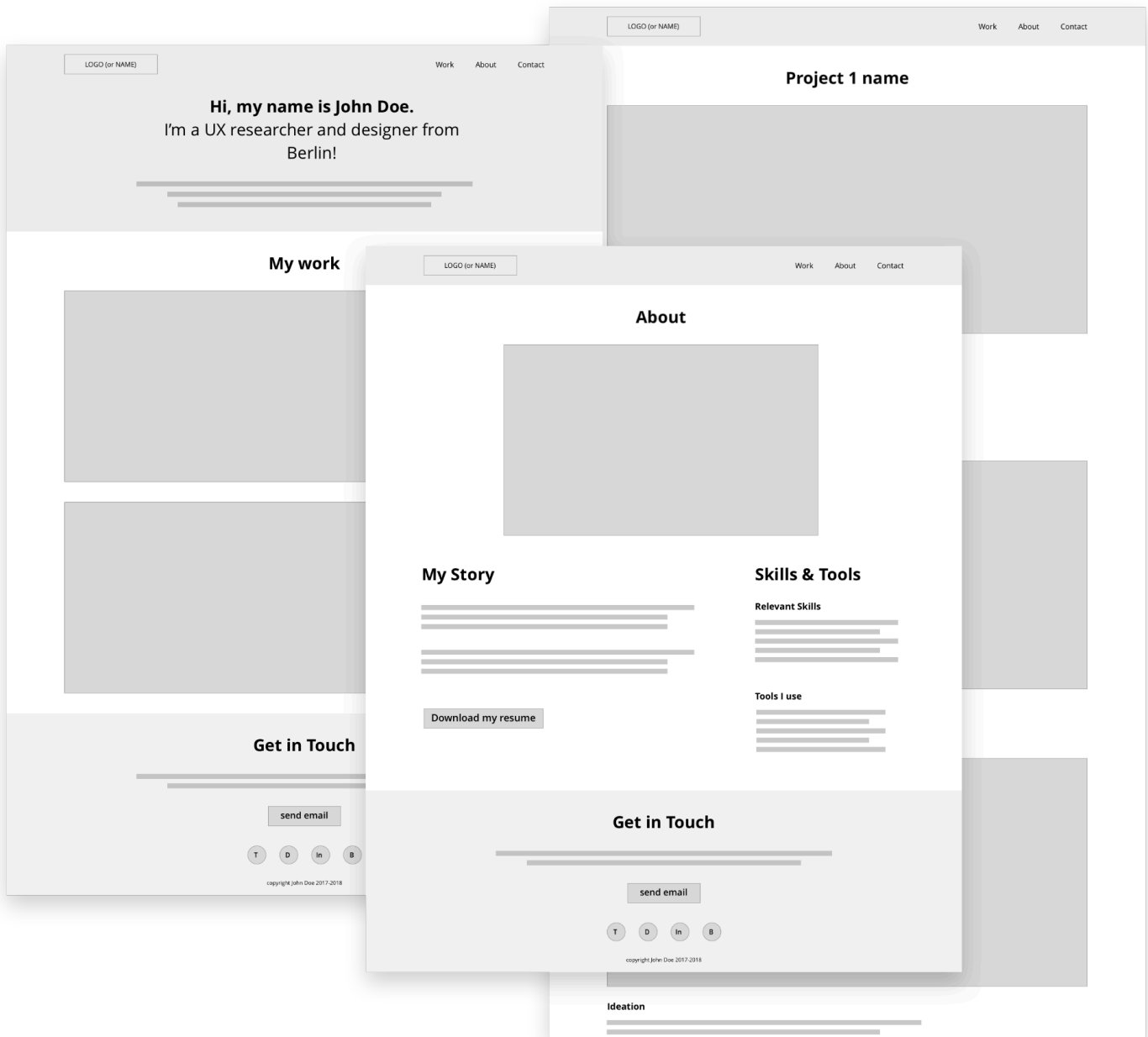
4. Draft copy for website

5. Select fonts and colors.

Primary color for website: **Hex #4ca0a4**	Primary font for website: **Playfair**	Secondary font: Poppins

Exercise 1.2: Internet & the Web

1. Create a root folder for website

2. Open folder in the code editing program **Visual Studio (VS) Code**

3. Create the default "index.html" template

4. Fill in basic code for <head> and <body>

```
C: > Users > mbmul > Desktop > Front End Development Ach. 1 > vscode-intro > <> index.html > <> html > <> body
 1   <!DOCTYPE html>
 2   <html lang="en">
 3       <head>
 4           <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
 5           <meta name="author" content="YourName">
 6           <meta name="description" content="Short description including keywords related to the pages content for SEO purposes">
 7           <title>MyName UX/UI Designer CityName</title>
 8       </head>
 9
10       <body>
11           <header>
12               <div>header</div>
13           </header>
14
15           <div>
16               <div>hero</div>
17           </div>
18
19           <div>
20               <div>work/projects</div>
21           </div>
22
23           <footer>
24               <div>footer</div>
25           </footer>
26       </body>
27
28   </html>
```

Exercise 1.3: Starting with HTML

1. Create structure for website with folders for CSS, Javascript and images

2. Write HTML code for the main sections of the website home page:

<hero> <featured work> and <footer>

Exercise 1.4: Coding with HTML

1. Make a "files" folder to structure & add pdf resume to it

2. Create folders for case studies and add images

3. Write HTML code for <header> and <nav> sections of home page

4. Add images to home page

5. Insert icons and <a> links for LinkedIn and Behance

6. Create "about.html" and "contact.html" page with basic <head> and <body>

files

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linkedin.com/in/mary-beth-mullens

Mary Beth Mullens

Skilled Graphic Designer, Marketing Manager and UX/UI Designer.
Level-headed leader with two decades experience turning ideas into compelling creations for print and online realms.

Work Experience

UX/UI Designer, CareerFoundry

online tech program • July 2023 — March 2024
Immersed into the daily practice of a professional UX/UI designer. Executed detailed-oriented User Experience such as conducting research, creating user personas and drawing user flows. Masterfully applied User Interface design theory, principles and patterns to creation of apps and websites. Developed stylish mood boards, brand guides, wireframes & mockups in Figma and Adobe XD. Explored advanced UI skills, such as prototyping animations and interactivity. Gained hands-on knowledge building a website with HTML, CSS and jQuery, to collaborate with

...ls at an upscale boutique, improving customer satisfaction and revenue. Refreshed ...company to an e-commerce Shopify website to maximize sales during the pandemic. ...6 camera, professional lighting, and expert editing in Google Photos and Photoshop. ...ts with consistent content, graphics and videos. Created and analyzed persuasive ...attractive monthly postcards, ads, signage and packaging with Adobe Illustrator. ...empathetic management and knowledgeable training.

...roduct manufacturer. Created engaging and user friendly product catalogs in ...sney & Universal Studios theme parks. Diligently maintained website using Joomla ...shop. Wrote & proofread persuasive marketing copy.

Exercise 1.5: Using GitHub for Your Projects

1. Publish VSCode local repository to online repository on GitHub

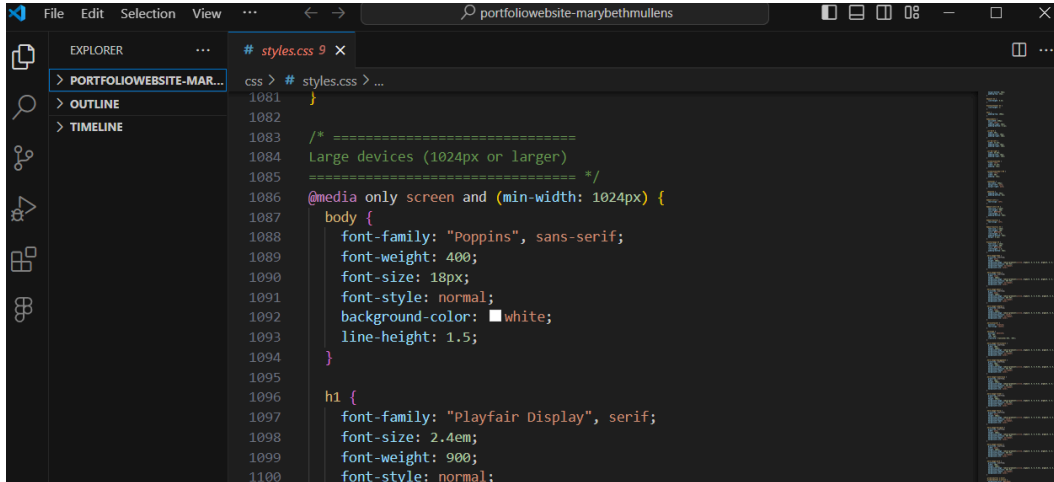2. Push and commit changes to GitHub for review
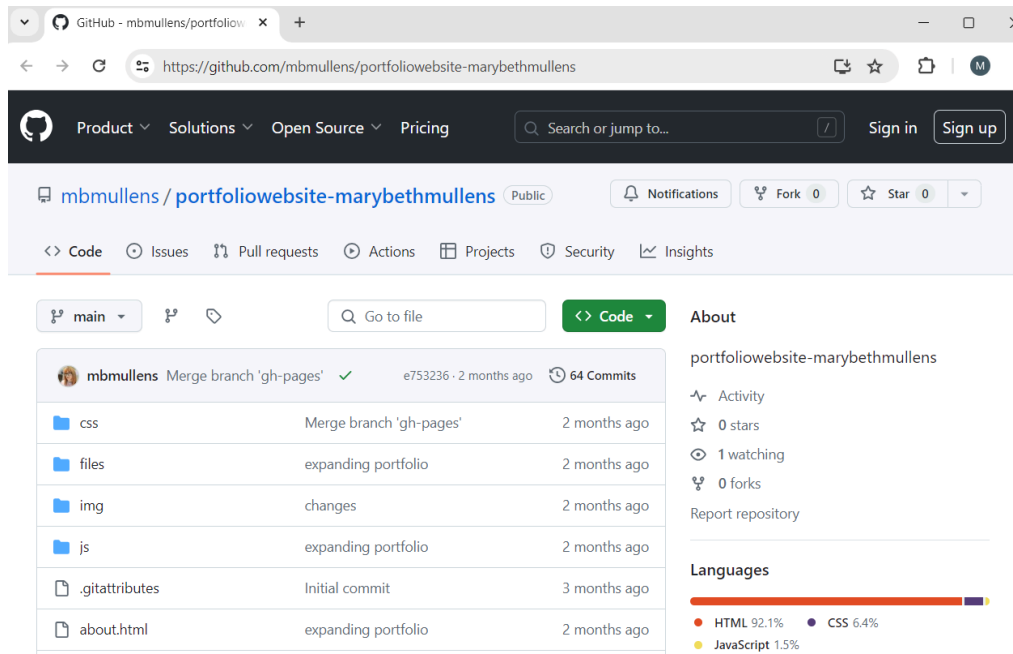
Exercise 1.6 – CSS Basic Syntax & Styling

1. Add unique IDS to each HTML block

2. Add viewport meta tag

3. Create file "style.css" & link to each HTML file

4. Add initial CSS (colors, font stylings, button stylings, image width)
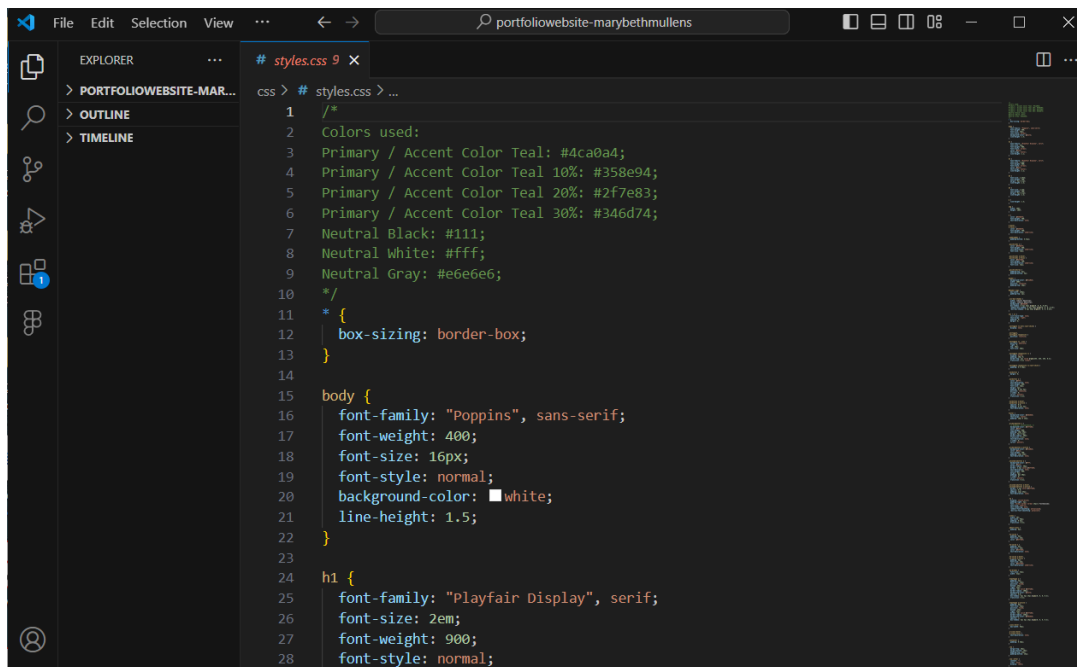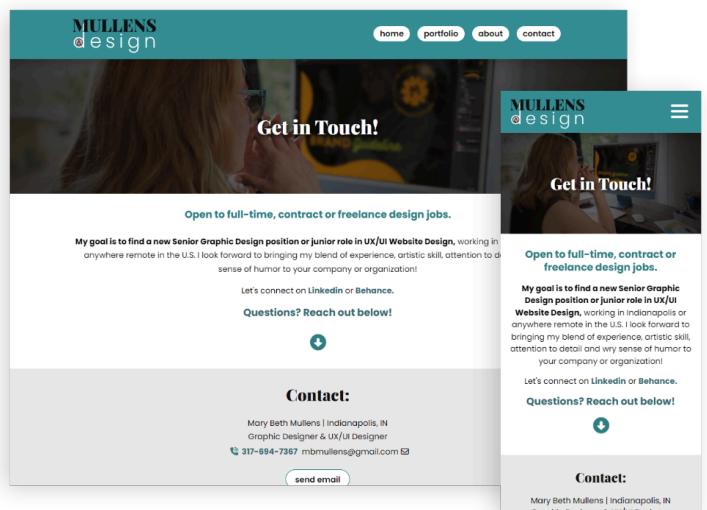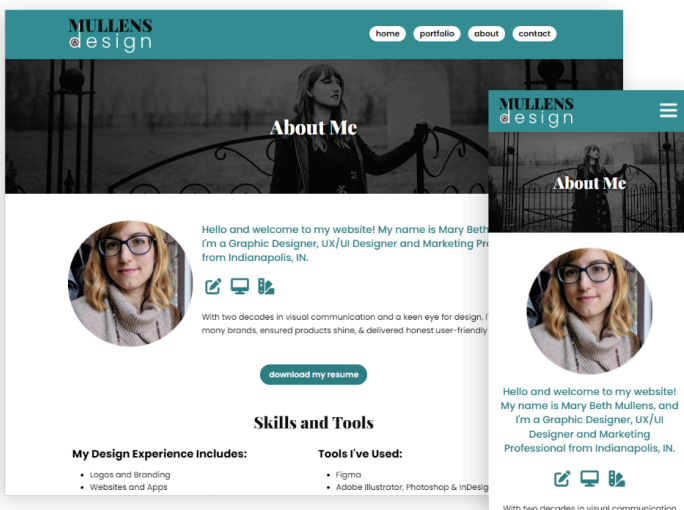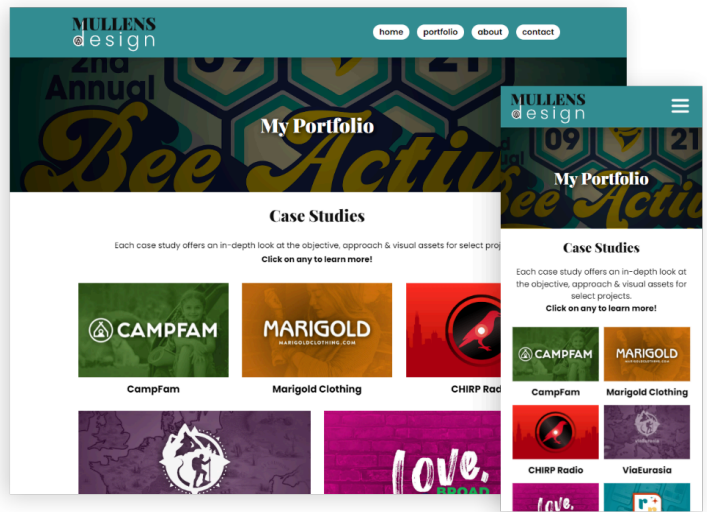
Exercise 1.7- CSS Responsive Layouts

1. Create more detailed layout styling for each page

2. Add media queries for your breakpoints

3. Add code inside of your media queries to ensure your site is responsive
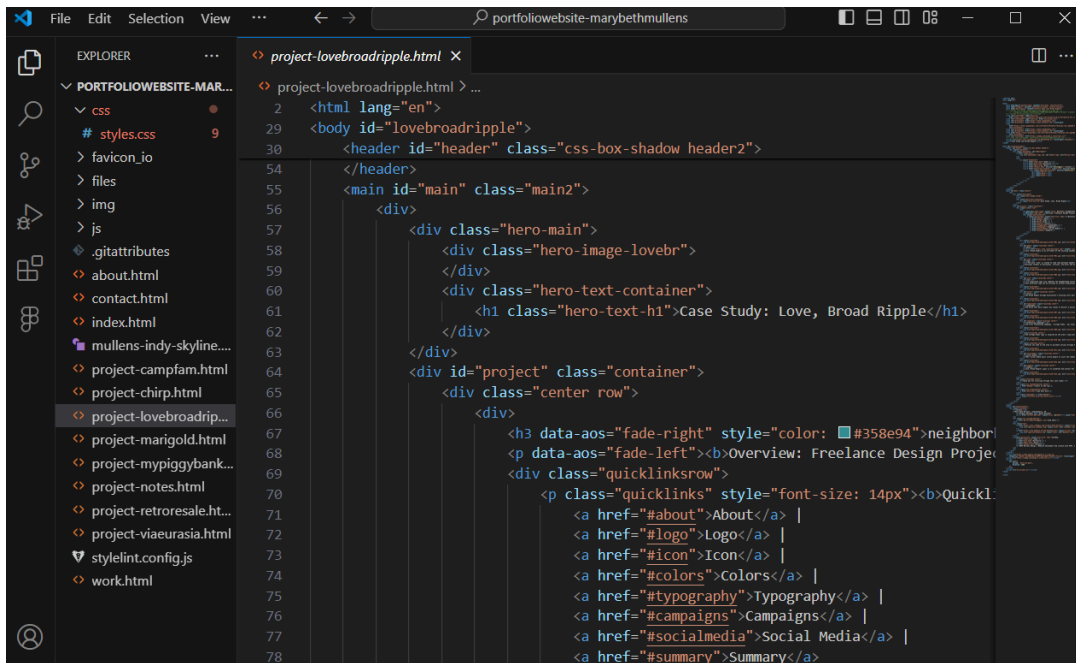
4. Code HTML pages for each case study design project

5. Add CSS style to each project page

Exercise 1.8 - Advanced CSS for Designers

1. Add CSS animations and transitions to the website
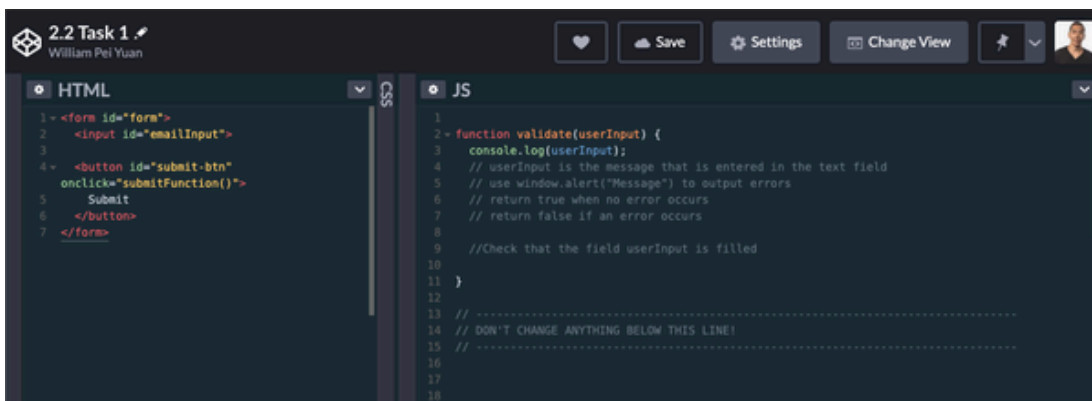
2. Design & code MullensDesign.com animation

Animation created with CSS

Ex 2.1 & 2.2 - Introduction to and Coding with JavaScript

Examine the structure of JavaScript code and the console log

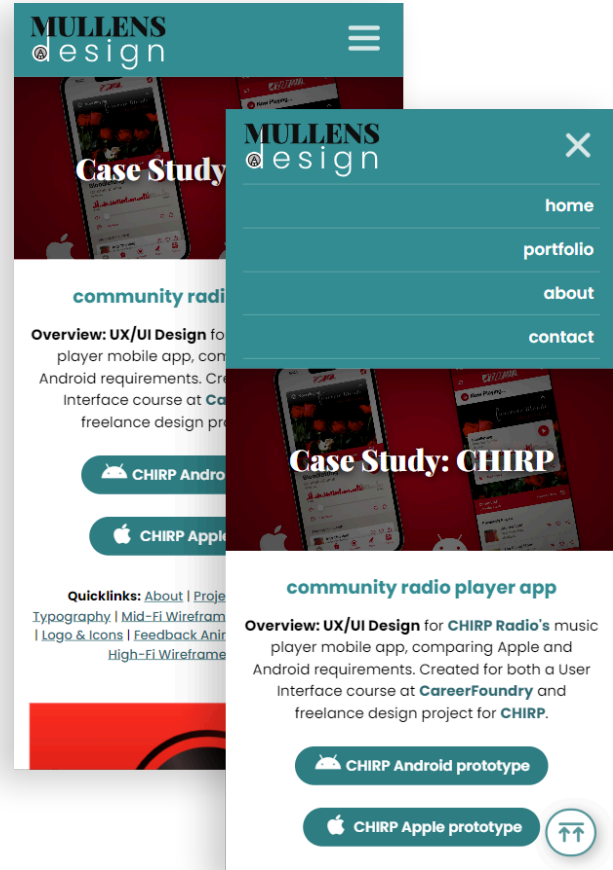Create a new file named "scripts.js" in the /js directory & load into HTML pages

Task 2.3 - JavaScript Libraries & Plugins

1. Link jQuery to your pages using CDN option

2. Add more interactivity and animations to pages with jQuery

3. Using Javascript and jQuery, create a responsive mobile menu that can be toggled for screen sizes smaller than 641px

4. Add a hamburger menu icon and X icon and animate a transition between the two

Exercise 2.4 - User Testing

1. Write a testing process for website

2. Submit test to several users; guide them through a walkthrough of the site

3. Gather comments and insight from test subjects

4. Make changes to website based on user feedback

Exercise 2.5 - Code Quality & Cross-Browser Testing

1. Utilize code linting to debug and check code quality

2. Test website across multiple browsers

3. **Test all colors for Accessibility:**

explore more work

Website background: White -> **Primary Button background: #2F7E83** -> Text color: White

CONTRAST RATIO: 4.73:1:1 - ✔ WCAG AA: PASS

explore more work

Website background: White -> **Primary Button on hover: #4CA0A4**

CONTRAST RATIO: 3.05:1 - ✔ WCAG AA: PASS FOR GRAPHICS/INTERFACE

Primary Button on hover: #4CA0A4 -> Text color: #111111 Black

CONTRAST RATIO: 6.17:1 - ✔ WCAG AA: PASS

send email

Footer background: #E6E6E6 -> **Secondary Button outline: #2F7E83**

CONTRAST RATIO: 3.79:1:1 - ✔ WCAG AA: PASS FOR GRAPHICS/INTERFACE

Secondary Button background: White -> Text color: #111111 Black

CONTRAST RATIO: 18.88:1 - ✔ WCAG AA: PASS

work

Header background: #4CA0A4 -> Navigation Button background: White

CONTRAST RATIO: 3.85:1 - ✔ WCAG AA: PASS FOR GRAPHICS/INTERFACE

Navigation Button background: White -> Text color: #111111 Black

CONTRAST RATIO: 18.88:1 - ✔ WCAG AA: PASS

Website background: White -> **Font Awesome icons & H3 text on About Page: #2f7e83**
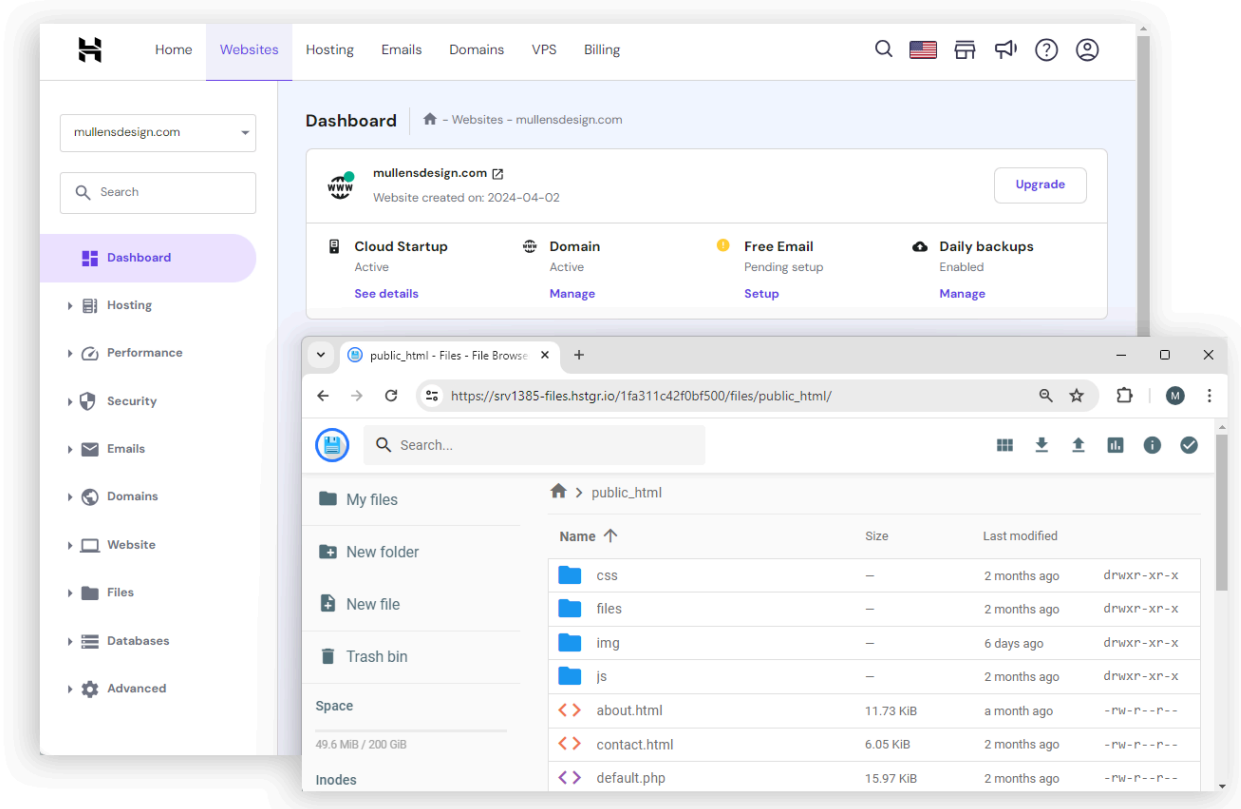
CONTRAST RATIO: 4.73:1 - ✔ WCAG AA: PASS

Website background: White -> **Quick Links color: #346D74**

CONTRAST RATIO: 5.85:1 - ✔ WCAG AA: PASS

Exercise 2.6 - Finishing Up

1. Decide on a web hosting provider and domain name

2. Upload files to web server

3. Test, trouble shoot, and debug with final changes!

Thank you for reading through this case study!