

Midterm Project: Personal Portfolio

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Background

A personal portfolio is an essential tool for any aspiring web developer; a website portfolio not only showcases your work, skills, and accomplishments but through the design also provides an insight into your professional identity. Through this project, you will work on creating a functional and stylized portfolio, which is a valuable asset in the tech industry.

Overview

In this midterm project, you will showcase an understanding of key course concepts by creating a personal portfolio website that will encompass all aspects of the front end, including HTML, CSS, and JavaScript; furthermore, your portfolio should not only display your technical skills but also use deliberate design choices to reflect functionality and creativity.

During week five you will be expected to show off your personal portfolio in class. More details will be explained in class.

As you work through this project, you should utilize a [git](#) repository.

Please take special note of the submission instructions, as the submission process is slightly different!

Requirements

The final submission should contain the following:

Code

- Your front end **must** utilize JavaScript, CSS, and HTML in some way.
- You must utilize **version control** with GitHub and submit a link to your repository in **README.md**

Home Page

- Create an appealing landing page with your name and a brief introduction.
- Include navigation links to other sections of the portfolio.
- This should be a hook to the viewer, convincing them to continue reading your portfolio.
 - *Hint: There are many open source JS libraries online that add cool gimmicks to use as a hook, such as Vanta.js. You can use any open source library as long as you cite it in your **README.md** file*

About Me

- Either a separate page or a section on your home page, containing a summary about you and an overview of your background, skills, and interests.
 - If you do not feel comfortable writing your real name, feel free to replace it with a fake name.
- The end of the section should contain a button linking to a .pdf or .docx version of your resume.
 - If you don't have a resume, link to an empty document; you can also add a fake name here.

Contact Me

- Either a separate page or a section on your home page with links to your email, LinkedIn, and GitHub to allow visitors to send you messages.
 - If you don't have/don't want to share a contact method, you can implement these features to redirect to an empty page.

Projects

- This should be a separate page showcasing a minimum of three personal projects you've worked on.
 - *Hint: If you don't have enough personal projects, you should include work from this class as projects.*
- For each project, include a project title, description, programming languages/technologies used, and a screenshot or image.
 - *Optional but recommended: Include a link to your personal project's GitHub repo.*

Navigation and Interactivity

- Your portfolio must have a way to navigate from the homepage to all other pages
 - Consider utilizing a **navigation bar**.

Design

- Use CSS styling to create a visually appealing and responsive design.
- Utilize CSS properties for layout, typography, colors, and spacing.
- Consider using CSS frameworks like Bootstrap if you wish to
- Your website **must** use either a Flexbox or Grid layout to ensure your portfolio looks great on various screen sizes.
 - Feel free to experiment with using both.
 - You **must** ensure your website looks and works correctly on phone screens AND computer screens.

Presentation and Slideshow

- During Lab 5, your portfolio website should be ready to be shown off to other students.
- There will be a small competition where the best looking project will be given a special prize.
- You will get credit for this requirement by showing off your project in class. More details to be announced.

Creativity is encouraged! Feel free to go beyond the basic requirements and add unique features to your app.

Extra Credit

- If you are looking to go above and beyond, here are some **completely optional** features you can add to your submission for extra credit. **These are not required**, rather they intended as a way to get more practice or refine your project.
 - Transform your portfolio to 3D! Using the JavaScript library, **Three.js** implement 3D objects to your portfolio. This should be added in a visually cohesive way to get credit.
 - Integrate music-related elements into the portfolio. This could include a music player with a personalized playlist, interactive sound effects, or a musical theme that dynamically changes based on user actions.
 - Add a digital signature/doodle wall. This should be some sort of canvas that allows users to add a personal touch by implementing a digital signature or doodle wall on your portfolio. This could be an interactive canvas where visitors can leave messages or draw digitally.
 - Theme switching with a twist--instead of a traditional dark/light theme switcher, implement a unique theme switcher that changes the theme dynamically. For example, this could be anything such as changing the entire color scheme and layout dynamically based on user interactions or time of day.

Submission

Lastly, add a **README.md** file to your project that briefly outlines your work on the portfolio; you must also link/cite any external resources you used for guidance (JavaScript documentation, YouTube tutorial, etc.) in this file. If you did any extra credit, you **must** list which extra credit features you implemented in this file.

Submit a Zip file in the following format to Gradescope before the due date:

LASTNAME-CS395-Midterm.zip

The zip file should contain a folder with the same name as the zip file, and the folder inside should contain all code. For example **LASTNAME-CS395-Midterm.zip --> LASTNAME-CS395-Midterm --> (files or folders with code, such as index.html, /js/)**.

In addition to citing your sources, your **README.md** file **must** contain the following:

- You **must submit a link** to your portfolio website as well; host your portfolio on a platform of your choice (GitHub, Netlify, etc.). We strongly recommend using GitHub Pages as you should be using Git for version control already--[here is a tutorial on deploying to GitHub pages](#).
 - **If you do not wish to host your portfolio publically, email us more than 48 hours before the deadline for an alternative! Refer to Blackboard for contact information.**
- You **must** submit a link to a GitHub repository (*make sure it's public!!*) that contains your source code
 - This will also make deploying your site very easy!

This should be a fun project that you can potentially use even after the class is over--please email us if you have any questions/concerns or need an extension. Late submissions won't be accepted without prior approval.