CS 463/563 – Intro to Web Development Final Project

Final Project: Personal Website

- **Project description and General Requirements** - This personal website should be a professional website that highlights you and your professional experience. The site should feature several parts, including:
  - A **Navbar** that navigates to the different sections on a one-page website or the different pages on a multi-page website.
    - You can reuse one of the forms we built in class or the homework assignments, but it should be styled consistently with the rest of the website.
  - An **About** section (or page)
    - This section should contain a brief introduction. Note that this introduction should highlight your professional experience.
    - You can include your photo in this section (as we did in the 01-hello exercises).
  - A **Previous Work** section (or page)
    - This can include a resume or a general outline of previous work, previous experience, or general background.
    - If you don't have any previous work experience (or don't want to include it), you can add the courses you've taken in this program and/or include a skills section.
  - A **Projects** section (or page)
    - This section should include 2-3 projects you have previously worked on. These can be projects that you have created in other classes.

- ❏ The projects should all include a name, description, and link to the GitHub repository and/or the deployed site.
- ❏ The projects should not include any of the homework assignments from this course.
- ❏ If you have more than three projects you want to highlight, please highlight as many of them as you would like.
  - ❏ A **Contact** section (or page)
    - ❏ This section should include a contact form.
    - ❏ You can reuse one of the forms we built in class or the homework assignments, but it should be styled consistently with the rest of the website.
  - ❏ CSS code
    - ❏ There should be at least one CSS file, with consistent styles for the entire website.
  - ❏ JavaScript code
    - ❏ There should be one JavaScript file, with some interactivity (e.g. button click, API call, form submission, etc) .

- ❏ **Additional Requirements**
  - ❏ With this project, I want you to apply what we learned in this class, but I also want you to go a step further. You can reuse the homework assignments to finish the general requirements listed above, but for full credit on this assignment, I want you to go beyond that and use elements, styles, or interactions that we have not learned in class. For example, we learned about several Bootstrap elements in class and we used several Bootstrap classes in the homework and the lab notebook. You can use all that in this project, but I would like you to include elements we haven't yet used, e.g. the image carousel or the accordion.
- ❏ This website can be a single-page website with different sections on the page for the elements and requirements above, or the website can contain separate HTML pages for each piece of content.

- ❏ Note: if you choose to create a multi-page website, you may want to use JavaScript or jQuery; otherwise, you will need to copy the header and footer on each page.
- ❏ Create a **public repository** for this assignment and **deploy** the site using GitHub Pages.
  - ❏ You can create a repository named: <myusername>.github.io.
    - ❏ To deploy, go to Settings → Pages → Source → In the "Source" dropdown, select the branch to be "main" and click "Save".
    - ❏ For the user "myusername", the project will be deployed at this URL: https://myusername.github.io/.
  - ❏ Alternatively, you can create any repository and use GitHub Pages to deploy that code.
    - ❏ To deploy, go to Settings → Pages → Source → In the "Source" dropdown, select the branch to be "main" and click "Save".
    - ❏ For the user "myusername" and a repository named "testing-123", the project will be deployed at this URL: https://myusername.github.io/testing-123/.
- ❏ Create a project **Readme.md** file with information about the project, how to run the code, any outside sources used, and where the site is deployed.

- ❏ **Expectations**:
  - ❏ You are expected to use the technologies we covered in class for this project. At the very least, you should include HTML, CSS, and JavaScript. Bootstrap and jQuery are also options.
  - ❏ You will work individually on this project and you are expected to write your own code.
  - ❏ Create a public repo for this assignment.
    - ❏ Your repo should have at least 6 meaningful commits with meaningful commit messages.
    - ❏ There should be a Readme.md file with instructions for how to run the code. The Readme must include any outside libraries,

frameworks, blog posts, or tutorials used in the making of this
website.

- ❏ **Time:** 8-10 hrs/week for two weeks.
- ❏ **Journal + Video presentation**
    - ❏ Keep a journal where you outline your code contributions to this
      project. This should include descriptions of how you built the
      features of your website, with special emphasis on anything we
      didn't learn in this class. You should include what you worked on
      each session, the various issues you ran into and how you
      addressed those issues.
    - ❏ From this journal, I should be able to reproduce your work on the
      website, so this journal should contain good descriptions and be
      well-organized.
    - ❏ The journal should include all outside sources used in the
      development of this project, including any tutorial, videos, or blog
      posts you used.
    - ❏ Include the links to the public GitHub repo and the deployed site in
      your journal.
    - ❏ You will also need to record a 10-12 minute video where you
      describe your code contributions to the project. You should go over
      the commits on the project. With the video presentation, you can go
      into more detail, especially for the commits where there's less
      information in the journal. This presentation should be **no more
      than 12 minutes long**.

- ❏ **Grading Guidelines**
    - ❏ As with the homework assignments, you will be graded on the website you
      produce and the quality of the code you write.
    - ❏ **General Requirements**
        - ❏ **Undergraduate students - 25 points / Graduate students - 20
          points**

- ❏ Completion of the general project requirements listed above.
- ❏ Project documentation, project structure, and project organization.
- ❏ Commit requirements and commit messages.
- ❏ **Additional Requirements**
  - ❏ **Undergraduate students - 15 points / Graduate students - 20 points**
  - ❏ Completion of the additional project requirements listed above.
- ❏ **Overall Project Presentation - 20 points**
  - ❏ Includes usability and responsiveness.
  - ❏ Also includes the overall look, visual structure, proper alignment, and general polish.
- ❏ **Code - 40 points**
  - ❏ **Code Quality**
    - ❏ Your code will account for a large percentage of your grade. You are expected to thoroughly check your code before the final submission and your code should follow the guidelines we learned throughout the quarter. The submitted code should first and foremost be semantic, valid, accessible, responsive, and properly formatted. You are expected to ES6+ code when writing JavaScript. You should be writing efficient code and removing any unnecessary code.
  - ❏ **Code Checks**
    - ❏ Your code will need to pass the checks below. You will either receive full credit (5 points) or no credit (0 points).
    - ❏ **Accessibility Check - 5 points**
      - ❏ The code should pass an automated accessibility audit.
    - ❏ **Formatted Code - 5 points**
      - ❏ All code should be properly formatted.

- ❏ **Academic Misconduct**

- ❏ You cannot turn in someone else's website as your own. You cannot take huge chunks of someone else's code and submit them as your own.
- ❏ Please review the PSU guidelines on [Academic Misconduct](#) and the [PSU Code of Student Conduct and Responsibility](#).
- ❏ **Any plagiarism or academic misconduct will result in a grade of 0 on this project.**

- ❏ **Submission Guidelines:** Each student should submit the journal (in pdf format) to the associated Canvas folder. At the top of the journal, include the URL of the deployed site and the GitHub repo.

Q&A

Do I have to use HTML, CSS, Bootstrap, and JavaScript/jQuery in this project?
Yes, you should be using HTML, CSS, and JavaScript. If you would prefer, you can use Bootstrap instead of CSS and jQuery instead of JavaScript. The project should not include any frameworks we did not learn about in this class.

How much JavaScript/jQuery should be in this project?
It depends. I am looking to see interactive behavior on this project. That could include creating elements dynamically, fetching outside data from an API, implementing event listeners, checking the form for invalid input, or more. These implementations should be at least 30 lines.

Can I use a premade CSS theme or Bootstrap theme?
No, you cannot use any premade themes or copy someone else website. You also cannot use a theme generator to create a theme. You are expected to either write your own styles using CSS or a CSS framework.

Do I have to deploy my website?

Yes.

Do I have to use GitHub Pages to deploy my site?

No, you can use any other platform. In this class, we go over how to deploy to GitHub Pages, so it might be the easiest option for this project.

What is the expected format of the journal?

The format is up to you.

How long should the journal be?

This really depends on the website you create and how you describe your work. There's no length requirement, but your journal should include all the required information.

Can I follow an online tutorial?

You can use outside resources to help you with this project, as long as they are clearly referenced in your writeup and the project Readme. However, you cannot turn in entire portions of someone else's code and pass that as your own work. This is academic misconduct.

What if I already have a personal website?

That's great, but you will still have to build one for this class. You don't have to use this personal portfolio beyond this class.

I have a great idea for a website that I would really like to build. Could I work on that instead?

It really depends and you will need to get prior approval from me. Here is the main question you may want to consider: can that website meet the requirements listed above? If so, please send me an email with details on what you want to build, and how that project could meet the requirements listed above.