

CS 307 Final Project

For your final project you will be creating a styled webpage that will allow the user to go through the creation journey that you have had in this course. There are four required sections to this Final Project, and there is a fifth bonus section.

Please read through all instructions first, so you understand the project as a whole before you begin. This project is worth 500 points; each section will specify the number of points associated to it.

This is going to seem like a lot. Do not be overwhelmed, a lot of the work is based on things that you have already done in the class. It's just a matter of pulling information together.

Part 1: Re-organize Server Account (20 pts)

1. In your server account under the `public_html` directory, create a new directory called `Spring2023` (notice the case formatting and no spaces).
2. Move every file and folder that you had under the `public_html` directory into this new `Spring2023` directory.
 - a. Once you have done this, under your `public_html` directory all you will have is another directory called `Spring2023`.

At this point if you try and access `mcs.athens.edu/~username` you should have a page that is brought up with a list that will only show you the `Spring2023` directory. If you type in `mcs.athens.edu/~username/Spring2023/` this will load your `index.html` file.

Part 2: Planning a Portfolio Website (100 pts)

The goal of this final project is for you to create a website (multiple pages) that will take a user through your design and development journey this summer. Technically, you will only be designing and creating ONE new page, and you will be using the work that you have completed throughout Assignments 1 – 5. Remember, the goal of this website is to take the user through your development and design journey.

1. Similar to the report for the midterm project, you will create a report that documents your plan, design, and structure for this website.
 - a. You will have to reference your previous work to be sure that you provide all of the required documentation and that the documentation reflects what you have done.
 - b. You should use the same template as the midterm document however you will have three new sections that you will need to work with.
 - i. DOM diagram for your “landing page”. The landing page will be discussed in Part 3 of the instructions.

- ii. A Mobile Test section. In Module 6 we discussed Mobile testing during the responsive design discussion. You are asked to test your pages and document the information that you attain from those tests. This should be documented similar to the Accessibility Analysis. You should NOT just provide a screenshot but you should provide a write up.
- iii. A full reflection section from the beginning of the course to the end. Focus on the things that you have learned and struggled with. Not just from the perspective of the coursework, but possible other skills (i.e. time management, speaking, etc.).
- iv. A section stating the corrections that you have made to assignment files that you have used in the final project. Here you need to be descriptive of the assignment that you are correct, why you lost the points, and what you have done to fix the problem. More information is provided in Part 3 step 7a.

Part 3: Design and Development (300 pts)

1. Create an HTML file and call it index.html. You will save this file under your public_html directory on the server. Be sure that you have re-organized your server account before doing this so that you don't overwrite the previous file you had created (which should be found in the Spring2023 directory).
2. This index.html file is going to be your "landing" page and will provide the content and navigation to take the user through your journey.
3. **Do not** place links of all of your previous work at the top of the page and call it your journey. The page needs to tell a story, your journey story, and you will use the work that you have completed with your previous assignments to tell that story.
4. As the user is reading through your story you should have links for them to access the previous work that you have completed. To do this, your code will be similar to the following:


```
<a href="Spring2023/filename.html">Page that fits the story</a>
```

 The highlighted parts of that statement are things that you would need to change.
5. For this landing page you are required to style it, the following are styles that must be integrated into this page:
 - a. Bootstrap grid
 - b. Bootstrap styles (minimum of 10 beyond the grid layout)
 - c. Interactivity with jQuery (different from past assignments)
 - d. Interactivity with JavaScript (different from past assignments)

Your interactivities must tie in to the design of the page, it cannot be something random just so that you meet the requirement of the instructions.

6. While you are not being told what or how many HTML elements you must use, you are required to include several of the pages that you have worked with as part of your story. Those are:
 - a. Your Brazilian Street Food restaurant
 - b. Your Midterm site
 - i. The source to access this one will be
`href="Spring2023/Midterm/filename.html"`
 1. If you did not have your Midterm organized correctly on the server you must fix this before submitting your final.
 - c. Minimum of 3 additional pages, of your choice where you can show the journey from where you started with just HTML and ended with CSS and Interactivity.
7. Every page will be graded as part of this final project, therefore, if you are using pages that you did not make a 100% on the grade, then you **MUST** fix the errors that you had so that you also don't receive point deductions on this final project.
 - a. **BONUS** – fixing the errors from the pages that had the points deducted will allow for you to earn back half of those credits.
Example: You did not have a logo on the Brazilian restaurant site and lost points for it on the assignment. In this final project, you add the logo correctly, you will earn half the points that you lost on the assignment back to that assignment.
To earn these points, you have to document your corrections as part of your report.
8. This is a very important step!
With each of these links that you add to your landing page, you must consider how the user will come back to this page to continue to read about your journey. Therefore, you **MUST** do one of the two:
 1. Be sure that when your link opens it opens in a new tab, that way the user always has access to the landing page.
 2. Update the pages that you include in your journey, to have a link back to the landing page.

Part 4: Presenting Your Journey (100 pts)

Similar to the presentation recording you made for the midterm you are also required to do a presentation for your final exam.

1. Through the use of a PowerPoint presentation, be sure that you discuss the items that you have documented in your report.

2. You should use figures to show the following, however be sure that you can discuss these and not just say something like “this is my wireframe”
 - a. Wireframes
 - b. DOM Diagram
 - c. Site Map
3. Discuss your target audience, why would they want to see this site? What information is the site conveying to them?
4. Summarize the analysis of your site
 - a. You don’t have to go into details about your validation, you can just have a slide that mentions whether or not your code for your pages are valid and if they are not what has caused errors that need to be fixed.
 - b. On the same slide you can also mention your accessibility analysis, is your website (all pages) accessible, if not which ones have possible issues, why, how would they be fixed?
 - c. You also don’t have to go into a lot of detail about whether or not your website (all pages) are mobile friendly, it’s OKAY if it’s not, you as a presenter need to be able to share this information.
5. Conduct a Live Demo of your site.
 - a. Here you should describe reasons why you decided to use specific features, and the interactivity that you have chosen to implement.
 - b. If you fix past errors you should discuss those, “before this project, this didn’t work, and now it has been fixed to work” (of course you won’t use those words, you will have to provide details).
6. Lastly, finish the presentation by sharing some thoughts that you have documented as your reflection.

BONUS PART: Additional Styles (75 pts)

1. On the server inside the directory Spring2023 found in your public_html directory, create a new directory called Project1Styled.
2. In your Spring2023 you will have all your files, a directory called Midterm for the Midterm files, and now another directory called Project1Styled.
3. Open your Project1 directory and COPY all the files that are found in it.
4. Paste the copied files into the Project1Styled directory.
5. Use your choice of CSS, Bootstrap, JavaScript and jQuery to style the pages associated to your Midterm site, rename your HTML files and name any new files accordingly. Use "style" at the end of the filename before the .html extension.
6. Add information to your landing page that appends to your previous information on the Midterm files that you were already required to have on the page.
7. Add the appropriate links, to be able to show the user the original pages and the new updated pages.
8. Be sure that you document these new pages as part of your report.

Deliverables:

1. PDF report
2. HTML, CSS, and JS files associated to your landing page.
3. HTML, CSS, and JS files associated to any pages that you “fix” during this project
4. HTML, CSS, and JS files associated to the BONUS part of the project
5. Shared video on YuJa of your presentation and live demo
6. PowerPoint slides used in your presentation

Assessment of sections will be based on:

1. Completing all requirements
2. Writing
3. Oral Presentation
4. Design
5. Development