Portland State UNIVERSITY

Final Project: 'Portfolio Website'

Submitted by:
Name: Niger Sultana Tahniat
PSU ID: 983114315
Professor: Caterina Paun
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GitHub Repository Link:
https://github.com/Tahniat-Niger/tahniat-niger.github.io

Deployment Link: https://tahniat-niger.github.io/

Day 01: 23/11/2022

1. Initially, I read the Final project documentation to understand the project requirements very well.

2. I have planned about the modules that I am going to add in my portfolio website.

3. There is no requirement mentioned in the Final Project doc about adding an Education section, But I will add an Education section.

4. I have also planned to add my publication and thesis in the Projects section. As this is my first term at PSU, I have not completed any project here yet. But I have worked on a few large assignments in the Programming Language Course. These were very important too. These are on creating interpreters and compilers on an imperative language. I want to add these codes to my portfolio. And another I have decided is my Database Management Course project parts. I will keep updating the repository if I add any more work on these projects. I hope with publication, thesis and projects, it would be enough for the project section requirements.

5. I am planning to discuss the matter with Professor Caterina, but the holiday week is starting from tomorrow and the project submission is on Monday. I have submissions almost everyday, that's why I could not even start working on the project a little earlier. Though I have asked the TA, and he said it should be fine.

Day 02: 24/11/2022

1. I did some research on the internet about portfolio website design. What The best portfolios on the internet look like. I liked the dark themed portfolios most. Because it gives a very good contrast. I am going to add an image of mine in the About section.

2. It was hard to find an image that will go with the portfolio website. I have chosen a black and white themed picture. It will go with the theme that I have decided for my portfolio website. I am a big fan of black and white combinations.

3. The Links that I go on the internet today to do my research on the portfolio websites are-

    - https://webdesignerwall.com/trends/30-truly-interactive-websites-built-css-javascript
    - https://colorlib.com/wp/bootstrap-websites/
    - https://www.pixpa.com/blog/best-portfolio-websites
    - https://www.sitebuilderreport.com/inspiration/portfolio-websites
    - https://catalins.tech/14-best-web-developer-portfolios-to-get-inspiration/
    - https://www.hostinger.com/tutorials/web-developer-portfolio

4. I have also visited the link in the Final Project document that the professor shared with us about the last term's students work on portfolio websites.

5. I have mostly taken ideas from the shared portfolios of the PSU students of this course. I have designed my idea about my website and have planned to keep the website simple and good looking. I hope I will make it look simple and elegant. And this is my first term's final project. I am excited too to see the final look of my own portfolio website.

Navbar Section Implementation

1. I am going to use Bootstrap 5 for my project. So, I will use the bootstrap 5 features to implement my site. This will be helpful to make my website responsive.

2. I have planned to add all my codes in one .html file. So, it will be helpful to add code in one file rather than managing multiple files.

3. To start working on the project, first I have created a portfolio.html file (later renamed it index.html).

4. As a starter code, I have used navbar.html code from webdev-examples repository from this Web Development code in the bootstrap folder.

5. There the code for the toggle button is added. Though it is not working because the javascript <script> is missing. I have added the script in my html file's head tag.

   <script

   src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.2/dist/js/bootstrap.bundle.min.js"
   integrity="sha384-kQtW33rZJAHjgefvhyyzcGF3C5TFyBQBA13V1RKPf4uH+bwyzQxZ6CmMZHmNBEfJ"
   crossorigin="anonymous"></script>

6. As the script is for Bootstrap 5.1.2, I have also updated the css link to Bootstrap to 5.1.2 from 5.0.1

   <link

   href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.2/dist/css/bootstrap.min.css"
   rel="stylesheet"
   integrity="sha384-uWxY/CJNBR+1zjPWmfnSnVxwRheevXlTnMqoEleG1LJrdl0GlVs/9cVSyPYXdcSF"
   crossorigin="anonymous"/>

7. It took me time to understand why the toggler is not working. So I searched a lot on the internet and found my answer in stackoverfolw website.

   - https://stackoverflow.com/questions/68132122/navbar-toggler-not-working-in-bootstrap-5

8. In the navbar-brand I have written 'Welcome' with a smile emoji, from font-awesome icons.

- https://fontawesome.com/icons

I don't want the mouse hovering on the navbar-brand welcome message. So, I have used <span> tag instead of <a> tag. I don't want mouse hovering here because I have already added a Home section. So there is no point to add two sections in the same line for the same purpose.

9. I have added all the sections in the navbar and added the code for the css in a portfolio.css file. I also have used Bootstrap 5 features for the css work here. The link I followed to add Bootstrap codes are-

   - https://getbootstrap.com/docs/5.0/components/navs-tabs/

10. In the portfolio.css file, I have written codes for color and body and *{ } the way I did for this course's homeworks. I have declared all the colors and later use var(--color) in the css codes. Followed it from the style.css file in the webdev-homework repository.

11. I have kept the navbar fixed on top using Bootstrap fixed-top. I have added Home, About, Education, Work Experience, Projects, and Contact sections. I have used features such a background color change with mouse hover, text uppercase using both Bootstrap and css.

About Section Implementation

12. To implement the About section, I decided the order first. I added an image of mine on one side and about myself on the other side. Finally, I have added my image on the right side of the website. And added a description about my professional career and hobbies on the left side.

13. I have added the institution's link that I declared in this section. Made the color of the institutions different so that the functionality can be noticed easily.I kept the underline color and text color different. I have implemented mouse hovering functionality and background color change with mouse hovering for the institutions. And if the user click the links they can go to the institution's websites.

About Section Implementation continuing..

1. I have added two buttons below in a form-group, in this section. One is for my CV download and another is for going to my Contact Me section.

2. I have added a pdf file of my Resume in the CV folder. If the user clicks on the Download CV button, they will be able to download my CV. I thought this task would be a little hard but it was easy. I have just used the html download tag for this purpose.

3. I have added mouse hovering and background color change features here using css the way I did for the Web Development homeworks.

4. I have added the transform in the buttons to Y in the Download CV and Contact Me button. With the mouse hover the buttons will move to upside a little.

Education Section Implementation

5. I have used Bootstrap Card to implement this section. I did this section the way I did a homework on Card for this Web Development course.

6. For the Card implementation, I go through my homework on Card. There were many card examples on the webdev-examples repository. I have also followed the Bootstrap website for card development.

   - https://getbootstrap.com/docs/5.0/components/card/

7. I have added the University names, starting and ending years, CGPA and a little description for each university. I have also added the logo of each university.

8. In the logo section, I have added some functionality for the mouse hovering. If the users click on that section, on the background or on the logo, they can go to the University website.

9. To notice the functionality I have also changed the background color with the mouse hover of the logo's background.

10. One thing I have implemented here is, changing the card color with the mouse hover. And also transform the card to Y axis using **transform: translateY()** in the portfolio.css file.

Work Experience Section Implementation

11. I have decided to use Bootstrap Grid for this section as I used Card in the implementation of the Education Section. I want to use all the functionality that I have learned in this course.

12. I have grid examples from my homework on grid in this course. There are also many examples on grid in the webdev-examples repository.

13. I have also followed the Bootstrap Grid documentation for grid implementation.

   - https://getbootstrap.com/docs/5.0/layout/grid/

14. Implementing this section was easy. I have added the company names, starting and ending dates, the technologies list that I used for the company projects and the responsibilities that I had for the projects in this section.

15. Like the previous section, I have used background color change with the mouse hover. And also transform the grid to Y axis like the previous section with the mouse hover.

16. I have not added any link in this section because I already have added the same links for the company and university in above's about and education sections. So, there is no point in adding the same link multiple times.

1. I worked on the css and html file for the above's three sections. Modified the added css. Included a yellow color in my website. I have decided to change the black and white and gray theme. This yellow color is highlighting the website's functionality more. I liked it.

2. Solved a few mistakes of the above sections.

Contact Section Implementation

3. I am skipping the project section today. I have decided to implement the contact section first.

4. I have divided the contact section into two sections. Left side is for Find Me On and Right side is for the Contact form.
5. I have decided to implement the contact form server side implementation. I want to provide the full functionality to the contact form. Let's see if I can do this. Though it is not required for the final project.

6. For the left side Find Me On, I have added my Email, Mobile, Address. I have added too much information for a public website. But I don't know why I am feeling like adding more. Maybe I am excited as this is my first portfolio website and it already looks good.

7. I have added links for my linkedIn, GitHub, Facebook and Instagram profile in the icons.

8. In the icons I have added transform to Y axis functionality and I have added the link for the media platforms.

9. I have also added icons for the phone, email and address from font-awesone.

10.   I have added the font awesome script in the <head> tag of the index.html file, that I have forgotten to mention before. I have not added the script today. I added this I guess when I first started to use font for the website in the Welcome navbar-brand.

- . https://fontawesome.com/
- **<script src="https://kit.fontawesome.com/d7cffc4e06.js"></script>**

11. For the right side implementation, I have used the Bootstrap Form example. The codes mostly match with the form that I implemented for the Web Development homework. There were many form examples in the webdev-examples repository.

- https://getbootstrap.com/docs/5.0/forms/overview/

Day 05: 27/11/2022

1. Modified few works on above's implemented sections.

Contact Section Implementation Continuing..

1. I have planned to add form validation in the javascript file. But in the homework, the form validation I did was mostly on console.log. Finally, I have used the Bootstrap required tag to check the validation of my form. The link I followed to add validation in my form is -

- https://getbootstrap.com/docs/5.0/forms/validation/#how-it-works

2. The rest of the work is going to be challenging I guess. I want to submit the form and get the message from the user. I have planned to implement the server side in my javascript file portfolio.js.

3. I have research on multiple ways to get the form message. I have find out two ways. One, is getting the user's message in my email and another is getting the user message in my Google Drive Excel sheet.

4. Finally, I decided to go with the get the contact me message in my personal gmail account. I have researched this topic on the internet. And link I followed are -

    - https://stackoverflow.com/questions/65665992/how-to-use-a-smtp-in-an-html-contact-form
    - https://genxwhosting.com/knowledgebase/112/How-to-Configure-Contact-Form-with-SMTP-Mail-in-Website-Builder.html

5. I opened an account on the Elastic Email website. Setup my domain and SMTP.

6. I go to the SMTP website to get the CDN.

7. I have added the Hostname, Password, Username, Server, Message body and various information of my SMTP domain in my javascript code.

8. As I am going to deploy the website in a public repository, I am not going to add my password and host name in the javascript form.

9. I have added a Secure Token in the javascript code instead of the password and host name.

10. The SMTP CDN and SMTP API websites are
    - https://smtpjs.com/
    - https://elasticemail.com/

Project Section Implementation

11. To implement the project section, first I decided on the projects that I am going to add.

12. Added all of my projects in the public repositories in my GitHub account.

13. Organized the publication paper and thesis paper link and then started to work on the project section in my index.html file.
14. I have implemented the project section using a grid. Used the Bootstrap row and column like my previous Work Experience section.

15. I have added the css for the Projects section in my portfolio.javascript file.

16. In this project's section I have divided it into three sections. One is for Publication, another is for my undergrad thesis, and last is for three projects. I have added the paper links in a Read More button. And in the Projects I have added the Github repository links for the projects in a Get the Code Button.

17. The buttons have css functionality on them with the mouse hover.

Day 06: 28/11/2022

1. Today is the deployment day. I have worked again on the project section today. I am mostly working on the GitHub deployment today. I have watched the deployment videos.

2. I have learned how to write code in the README.md file. I have completed the README.md file for this final project.

3. I have created a public repository and added all the files and folder of my project in that repository.

Deployment on github

4. On the Github setting, I have gone to the pages and set my branch main. Got the url for my portfolio. WOW !

5. I am too happy to deploy a website for the first time. Now I just have to go to the link to see my portfolio.

6. Updated readme and codes several times and commit my changes to the repository.

Accessibility Audits, Format, Semantic, ES6+ and validation check

7. I have run all the accessibility audits that I have used before for this course. Some are Wave, axeDevtools, css accessibility check
8. My code had 0 errors in all accessibility audits.
9. I have checked the formatting using prettier.
10. I was careful about using ES6+ features and html semantic features.

Difficulties:

11. It took couple of minutes to see the website in browser after the deployment

12. Loading was very slow initially, especially my image.

13. I have cleared my cache and reloaded the browser to solve this problem.

Outside Sources:

1. I have already added all the sources that I have used in above's description.
2. I have mostly followed previous homeworks for this course and webdev-examples repository files for this project.
3. I only followed bootstrap documentation.
4. I was careful to use ES6+ in javascript.
5. When I was stuck I mostly followed stack overflow to solve the problem.

- https://stackoverflow.com/

Otherwise, I have added all the links above.

Future Plan

1. I have plan to add more features in my portfolio. Update the project and publication and work experience.
2. Also wants to add a Hobb

Thank you