Project 01 Website Portfolio

Points: 50
Due Date: See Canvas.
Work will be accepted up to 24 hours after the due date with a 10% penalty. Meaning if you turn it in at 12:01 am of the next day you will be deducted 10% of the total points from your score. If the assignment is more than 24 hours late, it will be a 0.

Objectives:

- Design and build a website that showcases your creativity, technical expertise, and problem-solving abilities.
- Learn to effectively use abstractions and models such as html, css and bootstrap to break down complex computational problems into manageable pieces.
- Develop the skills to make technical concepts accessible and impactful for any audience.

Effort: You are encouraged to collaborate to discuss concepts but individually create your own website and answer the questions in your own words. CS Academic Integrity and AI Policy - Harding. Do not use AI to write your code.

Deliverables: Your website and this document with your answers.

Overview

For this project, you will create your personal portfolio website using github pages. Your portfolio will serve as an online resume and showcase your skills and interests. This iteration focuses on building a well-structured website containing a home page and projects page showcasing your projects or other things you want to showcase.

Part 1: Project Web Site Requirements

You can add more items but this is what you must have

1. Navigation Menu, headings, lists, links, containers, images
2. Home Page Content
    a. Introduction

        - Photo or avatar
        - Short summary about you
        - School and Major: Include a hyperlink on your major that directs to more information about that field or your specific major program.
    b. Skills List: Create a list of your skills organized into at least two categories (for example: “Technical Skills,” “Soft Skills,” “Languages,” etc.).
    c. About Me:
        - Include a section that highlights your personal interests or hobbies.
        - Provide at least two external links related to these interests (e.g., links to articles, videos, etc)
        - Visual Gallery Include 2 to 3 photos. Ensure the image is appropriately licensed or is your own work. The photo can be
            - ones you have taken
            - images you have created
            - Royalty Free such as Technology, Digital, Programming, Royalty-Free Vector Graphic - Pixabay
3. Project Page showcasing your work. Include at least 3 projects. This could be assignments from a class or personal project, from where you work, etc..
    a. Use Bootstrap cards or rows/columns for each project:
        - Title
        - Image or screenshot
        - Short description (what the project does, what you learned)

Part 2: Specification

- Create a new repository for your website. Use github pages to publish your website.
- Build a website using HTML and Bootstrap Framework for styling your page to create a responsive design.
- Create a repository to version and back up with git and github and host on Github pages.
    - Make sure the repository is public
- Add at least 5 accessibility features and provide
    - Description of what you implemented
    - Who it helps and how
    - Example of code or screenshot of the web page showing your implementation
- Test your website with WAVE, AACE and Lighthouse
- Read Practical_Examples and include at least 5 comments explaining your code.
    - This should include some of the more complex bootstrap code.
    - These can’t be my comments I gave you in the template.

Part 3 Learnings and Reflection

Include a links to

github repository:https://github.com/melodymind360/Portfolio

Github pages website:https://melodymind360.github.io/Portfolio/

3.1 Accessibility Features Implemented

1. Description of what you implemented
I implemented a navbar making it easier to navigate
Who it helps and how

Example of code or screenshot of the web page showing your implementation

```
!doctype html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Web Page Template</title>

    <!-- Bootstrap CSS -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min
.css" rel="stylesheet">

    <!-- jQuery (needed for .load()) -->
    <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
</head>

<body>



     <!-- Navbar gets injected here -->
    <div id="nav-placeholder"></div>
 <script>
        $("#nav-placeholder").load("navbar.html");
```

```
    </script>
    <!-- Bootstrap JS must go last -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundl
e.min.js"></script>
```

2. Description of what you implemented
I put contrasting colors such as white on black
Who it helps and how
It helps people who have trouble seeing to read easier
Example of code or screenshot of the web page showing your implementation

```
<div class="container-fluid p-5 bg-dark text-white text-center">
  <h1>My Projects</h1>
  </div>
    <div class="container-fluid p-4 bg-dark text-white">
    <h2>Here are some of my projects</h2>
    <ul>
```

3. Description of what you implemented
I put alts on all my images
Who it helps and how
It helps those using screen readers to know that an image is.
Example of code or screenshot of the web page showing your implementation

```
 <div class="row">
  <div class="column">
    <img src="Image/addativemanufactoring.jpg" alt="addativemanufactoring
certifications" style="width:100%" alt="addativemanufactoring
certification for Anthony Nicoletti">
  </div>
  <div class="column">
    <img src="Image/CSWA.jpg" alt="Forest" style="width:100%" alt="CSWA
certification for Anthony Nicoletti">
  </div>
  <div class="column">
    <img src="Image/nims.png" alt="Mountains" style="width:100%"
alt="NIMS certification for Anthony Nicoletti">
  </div>
</div>
    </body>
```

4. Description of what you implemented
I used large text for clickable links

Who it helps and how

This helps with people who may have trouble touching a screen or controlling a mouse

Example of code or screenshot of the web page showing your implementation

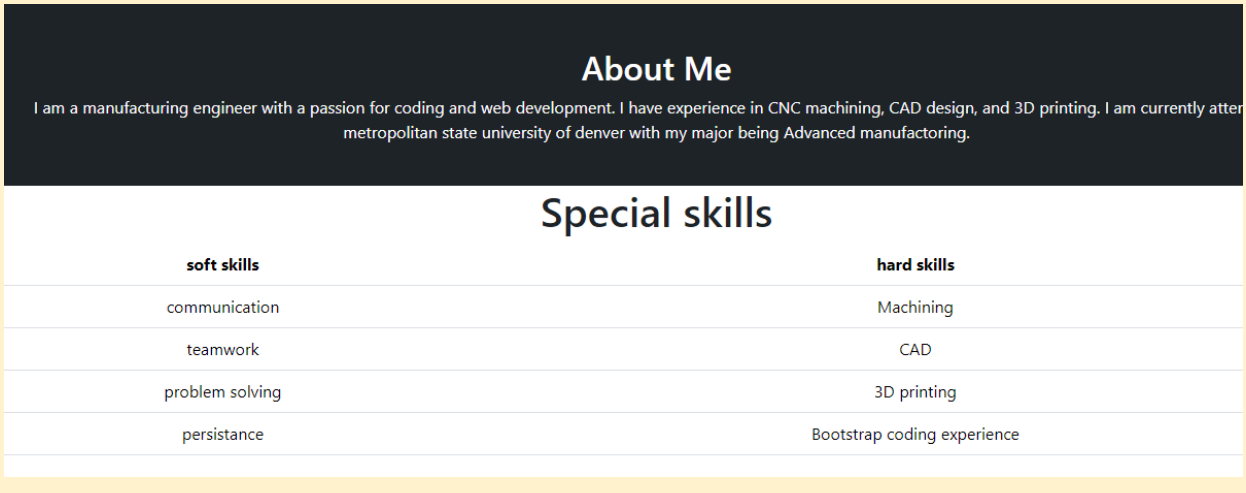
```
<div
class="text-center">
 <a     class="fs-1" class="bold" href="certifications.html">
Certifications</a>
</div>


<div
class="text-center">
 <a     class="fs-1" class="bold" href="Projects.html"> Projects</a>
</div>
```

5. Description of what you implemented
It is well organized and easy to follow

Who it helps and how

This is good for people with autism or dyslexia as it is easy to read and follow

Example of code or screenshot of the web page showing your implementation

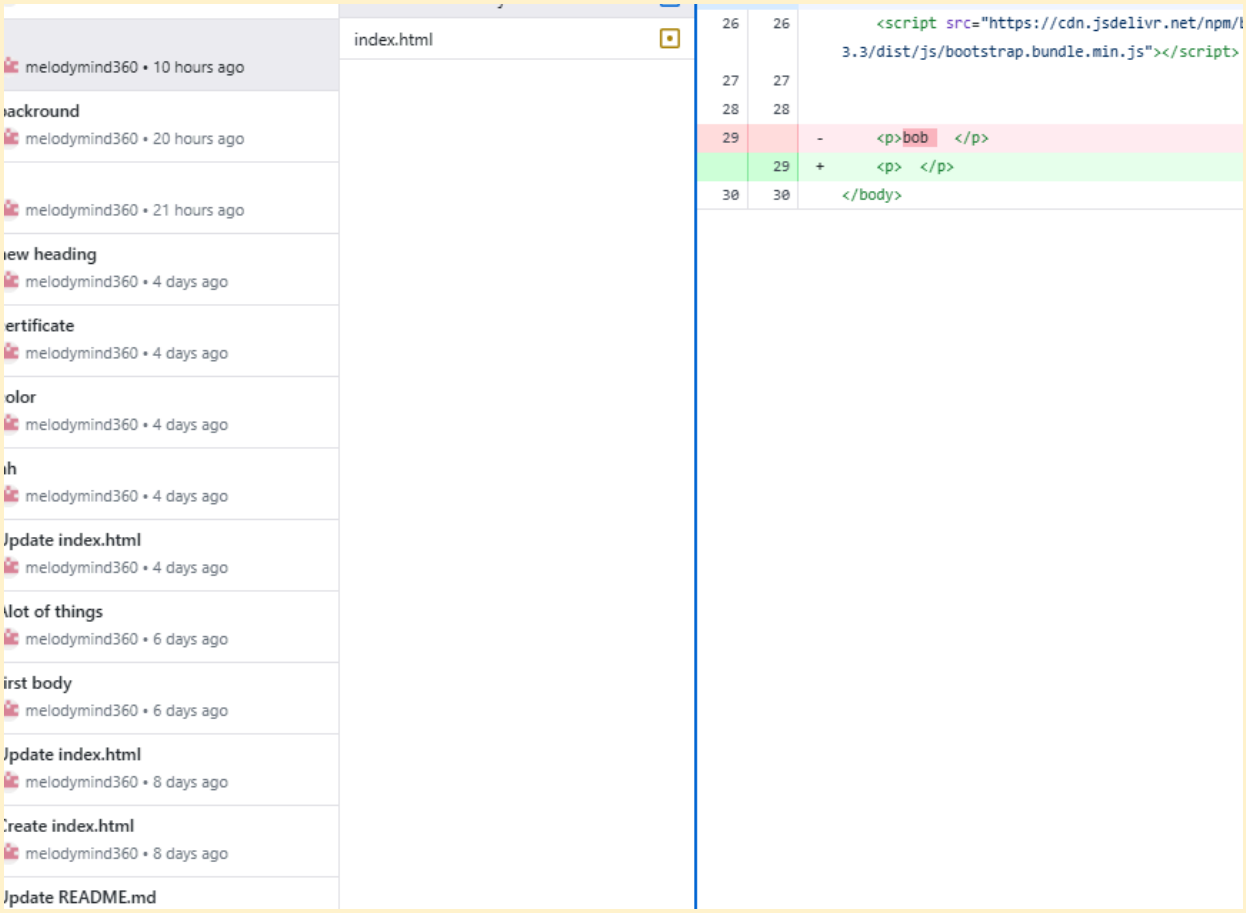


3.2 Other Learnings and Reflection

1. Accessibility
Test your website with WAVE, AACE or Lighthouse.

Explain three different pieces of information provided to help you improve your design. Include screenshots of information from the tools.
It helped me realize when i forgot alt tags.
It would inform me if there was a contrast hard to read
It would tell me if a table i used was messed up.

2. Version Control
How did version control (git/GitHub) help you keep track of your changes? Provide examples and Screenshots
It would help me find when i added certain thing so i could undo them if something was wrong.



3. HTML

How did you use **HTML elements** to structure your site?

Which HTML tags did you find most useful in building your portfolio, and how did they help organize your content?

 divs

Container, especially the fluid image ones
class=text center
And i really enjoyed the navbar

4. CSS and Bootstrap
Explain a Bootstrap CSS class you used.

```
class="container-fluid p-5 bg-dark text-white text-center">
```

This is a container that puts aa black backround with white text.
Which **Bootstrap CSS classes** did you use most, and why?
I Used the container that has a black background with white text as it is easier to read with its contrast.
I also used container alot as it would space it away

What challenges did you face with Bootstrap, and how did you solve them?
The biggest problems i had was when i would miss a letter or a >. Or to put an end code. I would look back through the new code i put in a compare to an example t=from the W3 school.

5. If someone from a different background, language, or device uses your site, how would your design choices affect their experience?
I would write it in a different language.

6. What part of building this portfolio are you most proud of?
I am proud of all the things i learned
How might you use or expand this portfolio in the future
Add more experiences, images, and certificates
If you had one more week, what improvement would you add and why?
Extra color, more moving parts and link