CSI 2999 - Project 1

By: Sumaya Uddin

GitHub Link to Project 1

https://suddin6.github.io/sumaya/

01

HTML PAGES

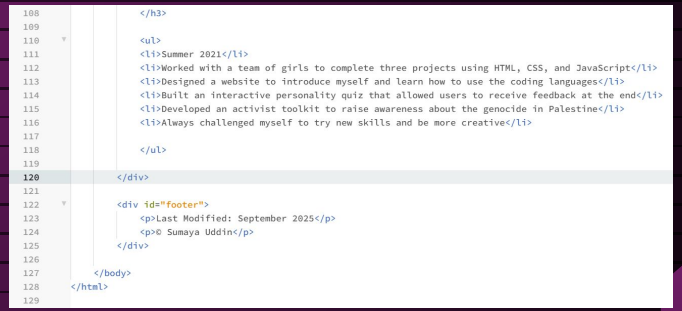
index.html, courseProjects.html, and skillsInterests.html,
project1.html, project2.html

index.html

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width,initial-scale=1.0"/>
        <title>CSI 2999 Project 1</title>
        <link rel="icon" type='image/png' href="/images/favicon.png">
        <link rel="stylesheet" href="styles.css">
    </head>

    <body>
        <div id="allAboutMe">
            <h1>
            &#x1F33F ABOUT ME &#x1F33F
            </h1>
        </div>

        <div class="buttonSetup">
            <a class="buttons" href="index.html">
            Home
            </a>
            <a class="buttons" href="courseProjects.html">
            &#127979 Course Projects
            </a>
            <a class="buttons" href="skillsInterests.html">
            &#128206 Skills & Interests
            </a>
            <a class="buttons" href="project2.html">
            &#9996 Individual Project 2
            </a>
            <a class="buttons" href="project3.html">
            &#128101 Group Project 3
            </a>
        </div>
```

```
        <div class="firstPage">
            <div class="sections">
                <div id="nameHeader">
                    <h2>
                        Sumaya Uddin
                    </h2>
                </div>

                <div id="para1">
                    <p>suddin6@oakland.edu</p>
                    <p>School of Engineering and Computer Science</p>
                    <p>Oakland University</p>
                    <p>Rochester, MI 48309</p>
                </div>
            </div>

            <div class="sections">
                <div id="educationHeader">
                    <h2>
                        Education
                    </h2>
                </div>

                <div id="educationInfo">
                    <p>Bachelor of Science in Computer Science</p>
                    <p>Oakland University, Rochester MI</p>
                    <p>Expected Graduation: Winter 2028</p>
                </div>
            </div>

            <div class="sections">
                <div id="profileImage">
                    <a href= "https://pin.it/70viJ71hq" target = "_blank">
                        <img src = "images/homePage.jpg">
                    </a>
                </div>
            </div>
```

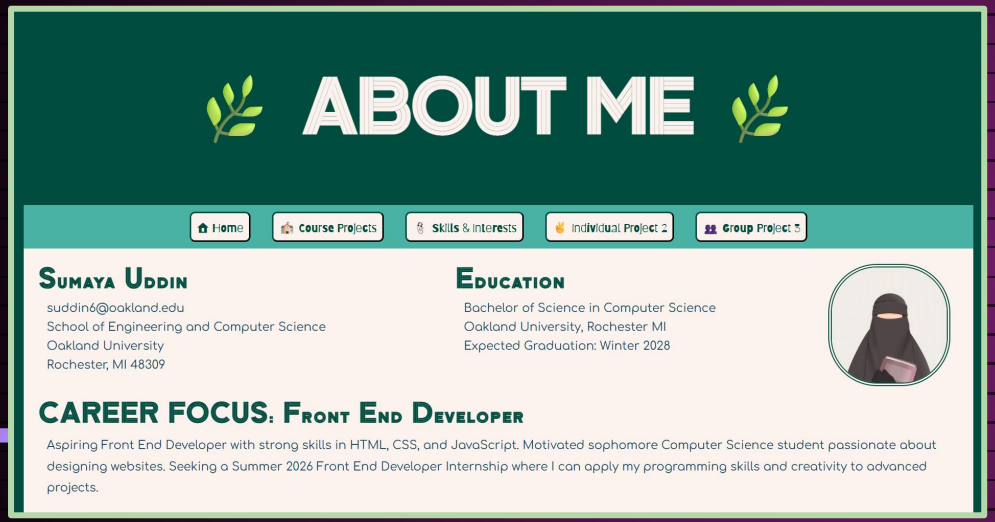
```
        </div>

        <div id="careerFocus">
            <h2>
                CAREER FOCUS: Front End Developer
            </h2>
        </div>

        <div id="career">
            <p>
                Aspiring Front End Developer with strong skills in HTML, CSS, and JavaScript. Motivated sophomore Computer Science student
                passionate about designing websites. Seeking a Summer 2026 Front End Developer Internship where I can apply my programming skills and
                creativity to advanced projects.
            </p>
        </div>

        <div id="experienceHeader">
            <h2>
                Experience:
            </h2>
        </div>

        <div id="experienceInfo">

            <h3>
            Girls Who Code Self-Paced Program
            </h3>

            <ul>

            <li>Summer 2023</li>
            <li>Completed three self-guided courses and projects focused on cybersecurity fundamentals</li>

            </ul>

            <h3>
            Girls Who Code Summer Immersion Program (SIP)
```

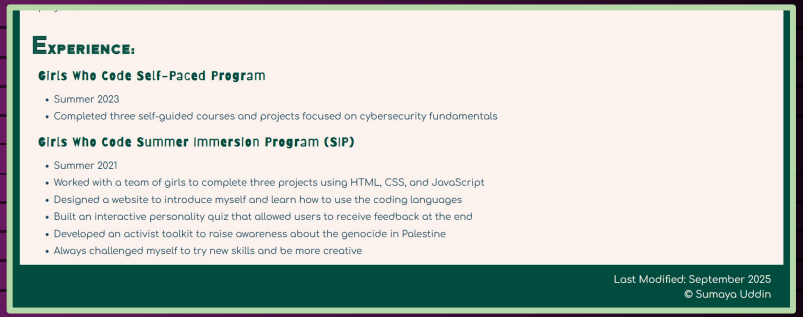


```
            </h3>

            <ul>
            <li>Summer 2021</li>
            <li>Worked with a team of girls to complete three projects using HTML, CSS, and JavaScript</li>
            <li>Designed a website to introduce myself and learn how to use the coding languages</li>
            <li>Built an interactive personality quiz that allowed users to receive feedback at the end</li>
            <li>Developed an activist toolkit to raise awareness about the genocide in Palestine</li>
            <li>Always challenged myself to try new skills and be more creative</li>

            </ul>

        </div>

        <div id="footer">
            <p>Last Modified: September 2025</p>
            <p>© Sumaya Uddin</p>
        </div>

    </body>
</html>
```

- **Total lines of code:** 129
- Sets up the formatting for the header, footer, and buttons
- This is the code for the home page.

index.html Outcome





This is the about me homepage for project 1. On this page, I included my contact information, education, potential career focus, and experience. I also included an image with a clickable link to its source.

courseProjects.html

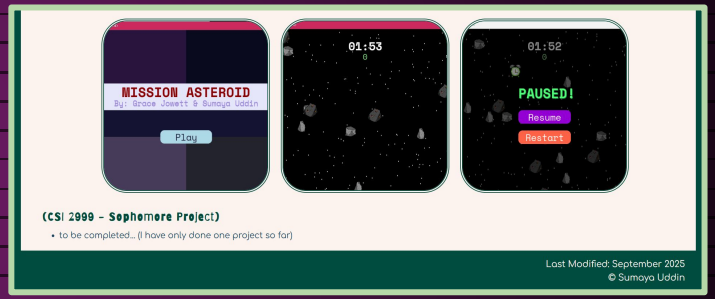
```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width,initial-scale=1.0"/>
        <title>CSI 2999 Project 1</title>
        <link rel="icon" type='image/png' href="/images/favicon.png">
        <link rel="stylesheet" href="styles.css">
    </head>

    <body>

        <div id="allAboutMe">
            <h1>
            &#x1F33F ABOUT ME &#x1F33F
            </h1>
        </div>

        <div class="buttonSetup">
            <a class="buttons" href="index.html">
            Home
            </a>
            <a class="buttons" href="courseProjects.html">
            &#127979 Course Projects
            </a>
            <a class="buttons" href="skillsInterests.html">
            &#128206 Skills & Interests
            </a>
            <a class="buttons" href="project2.html">
            &#9996 Individual Project 2
            </a>
            <a class="buttons" href="project3.html">
            &#128101 Group Project 3
            </a>
        </div>
```

```html
        <div id="bigHeader">
            <h2>Engineering Course Projects:</h2>
        </div>

        <div class="projectHeading">
            <h3>Asteroid Shooting Game (CSI 1320 - Introduction to Python Programming and Unix)</h3>
        </div>

        <div class="projectInfo">
            <ul>
            <li>Worked in a group of two to make an interactive asteroid shooting game</li>
            <li>Used python to code the game and the pygame module to have a graphical user interface (GUI)</li>
            <li>Designed buttons that allow users to pause, restart, and resume the game</li>
            <li>Incorporated our own drawings for the asteroid graphics and space background</li>
            <li>Developed a point system for different asteroids and included a time limit</li>
            <li>Saved all of the user's high scores into a file</li>
            </ul>

            <div class="row">
                <div class="column">
                    <img src = "images/missionAsteroid1.png">
                </div>

                <div class="column">
                    <img src = "images/missionAsteroid2.png">
                </div>

                <div class="column">
                    <img src = "images/missionAsteroid3.png">
                </div>
            </div>
        </div>

        <div class="projectHeading">
            <h3>(CSI 2999 - Sophomore Project)</h3>
        </div>
```

```html
        <div class="projectInfo">
            <ul>
            <li>to be completed... (I have only done one project so far)</li>
            </ul>
        </div>

        <div id="footer">
            <p>Last Modified: September 2025</p>
            <p>© Sumaya Uddin</p>
        </div>

    </body>
</html>
```

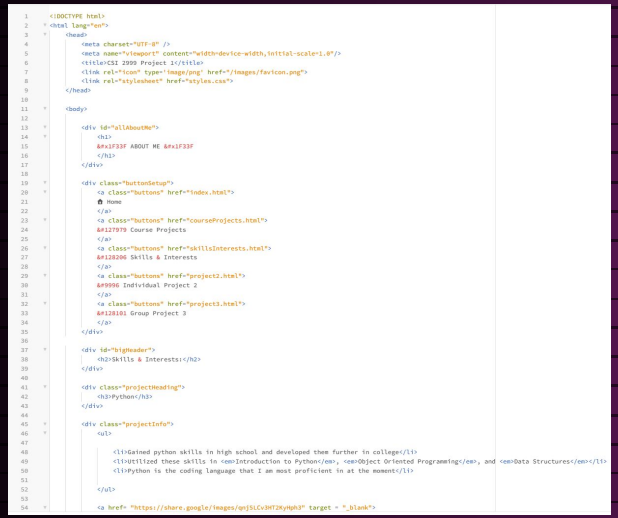
- **Total lines of code:** 86
- Explanation of the game I coded in CSI 1320.
- This is the code for the course projects page on my website.

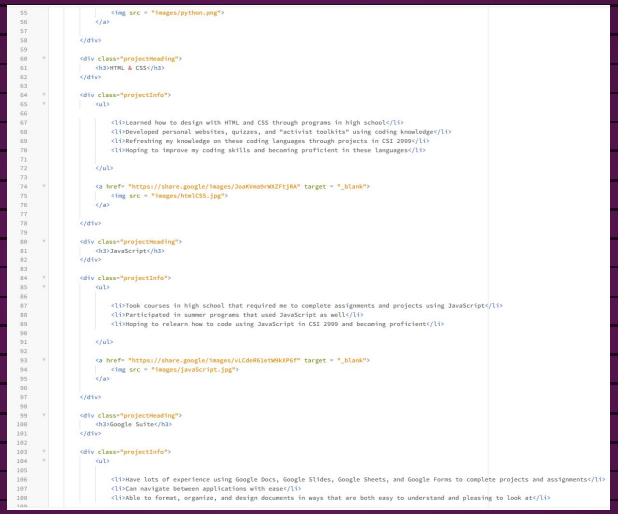
courseProjects.html Outcome

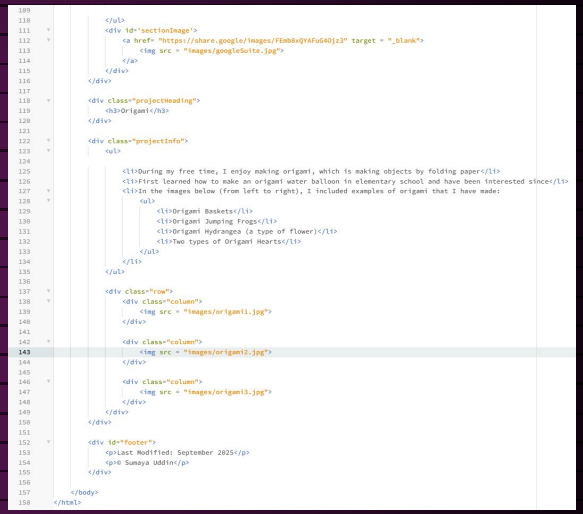


This is the course projects page for project 1. On this page, I included the project I completed Winter 2025 with a partner. This project was an asteroid shooting game. I also included a pictures of how the game turned out.

skillsInterests.html

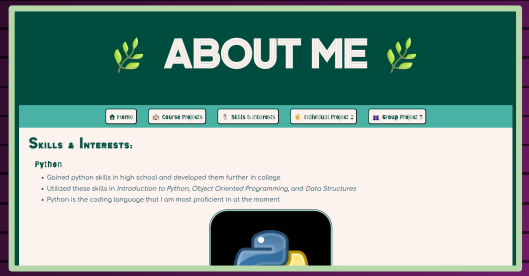


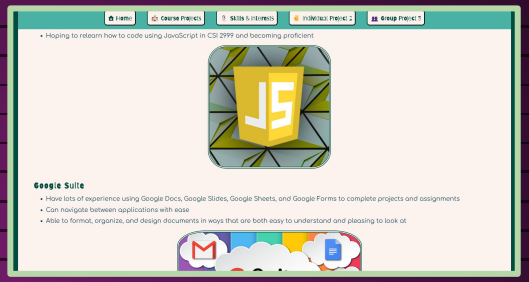


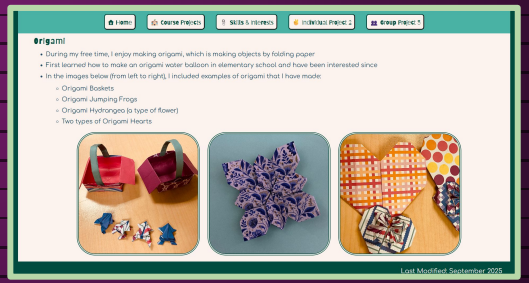


- **Total lines of code:** 158
- Explanation of the skills and interests I have/would like to further develop
- This is the code for the skills and interests page on my website.

skillsInterests.html Outcome





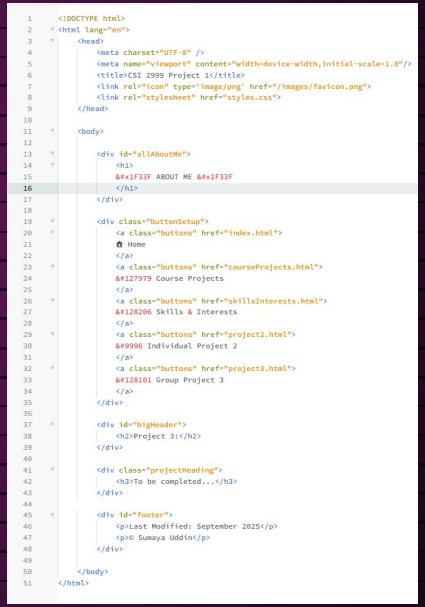


This is the skillsInterests.html page for project 1. On this page, I included a list of skills I have/wish to relearn and some interests/hobbies. I also included an image example for one of my interests. All three pages have the same header and footer.

project2.html and project3.html

- **Total lines of code on each page**: 51
- Project 2 and 3 have not been completed yet, which is why there is nothing displayed on these pages besides “to be completed…”.

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width,initial-scale=1.0"/>
        <title>CSI 2999 Project 1</title>
        <link rel="icon" type='image/png' href="/images/favicon.png">
        <link rel="stylesheet" href="styles.css">
    </head>

    <body>

        <div id="allAboutMe">
            <h1>
            &#x1F33F ABOUT ME &#x1F33F
            </h1>
        </div>

        <div class="buttonSetup">
            <a class="buttons" href="index.html">
            Home
            </a>
            <a class="buttons" href="courseProjects.html">
            &#127979 Course Projects
            </a>
            <a class="buttons" href="skillsInterests.html">
            &#128206 Skills & Interests
            </a>
            <a class="buttons" href="project2.html">
            &#9996 Individual Project 2
            </a>
            <a class="buttons" href="project3.html">
            &#128101 Group Project 3
            </a>
        </div>

        <div id="bigHeader">
            <h2>Project 2:</h2>
        </div>

        <div class="projectHeading">
            <h3>To be completed...</h3>
        </div>

        <div id="footer">
            <p>Last Modified: September 2025</p>
            <p>© Sumaya Uddin</p>
        </div>

    </body>
</html>
```



```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width,initial-scale=1.0"/>
        <title>CSI 2999 Project 1</title>
        <link rel="icon" type='image/png' href="/images/favicon.png">
        <link rel="stylesheet" href="styles.css">
    </head>

    <body>

        <div id="allAboutMe">
            <h1>
            &#x1F33F ABOUT ME &#x1F33F
            </h1>
        </div>

        <div class="buttonSetup">
            <a class="buttons" href="index.html">
            Home
            </a>
            <a class="buttons" href="courseProjects.html">
            &#127979 Course Projects
            </a>
            <a class="buttons" href="skillsInterests.html">
            &#128206 Skills & Interests
            </a>
            <a class="buttons" href="project2.html">
            &#9996 Individual Project 2
            </a>
            <a class="buttons" href="project3.html">
            &#128101 Group Project 3
            </a>
        </div>

        <div id="bigHeader">
            <h2>Project 3:</h2>
        </div>

        <div class="projectHeading">
            <h3>To be completed...</h3>
        </div>

        <div id="footer">
            <p>Last Modified: September 2025</p>
            <p>© Sumaya Uddin</p>
        </div>

    </body>
</html>
```

project2.html and project3.html Outcomes

These are the project 2 and project 3 pages on my website. Since these projects have not been started yet, there is nothing to link in this section.

02

HTML TAGS

<li>, , <a>

<ul> and <li>

In my code, I used the <ul> and <li> tag a lot in order to include bullet pointed lists on my html pages. These bullet points allowed my website to be more organized and easier to read. The <li> tag is specifically used to create each bullet point.

```
<div class="projectInfo">
    <ul>

        <li>During my free time, I enjoy making origami, which is making objects by folding paper</li>
        <li>First learned how to make an origami water balloon in elementary school and have been interested since</li>
        <li>In the images below (from left to right), I included examples of origami that I have made:
            <ul>
                <li>Origami Baskets</li>
                <li>Origami Jumping Frogs</li>
                <li>Origami Hydrangea (a type of flower)</li>
                <li>Two types of Origami Hearts</li>
            </ul>
        </li>
    </ul>
```

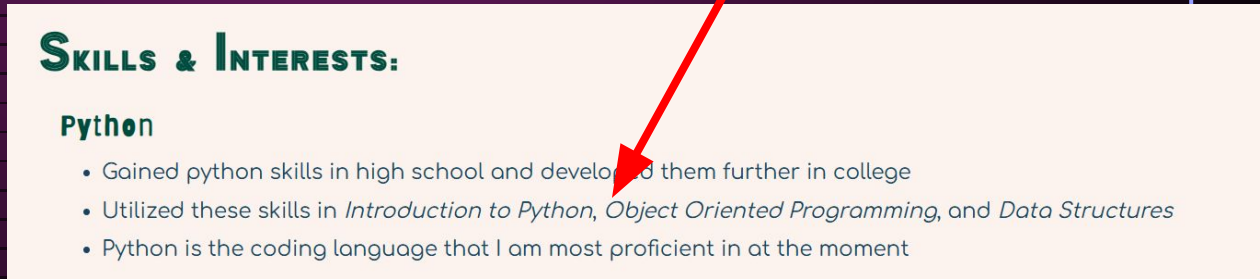
Adding an <li> and <ul> tag within an already established tag allowed me to have bullet points within bullet points, as shown below.

Origami

- During my free time, I enjoy making origami, which is making objects by folding paper
- First learned how to make an origami water balloon in elementary school and have been interested since
- In the images below (from left to right), I included examples of origami that I have made:
    - Origami Baskets
    - Origami Jumping Frogs
    - Origami Hydrangea (a type of flower)
    - Two types of Origami Hearts

```
<div class="projectInfo">
    <ul>

        <li>Gained python skills in high school and developed them further in college</li>
        <li>Utilized these skills in <em>Introduction to Python</em>, <em>Object Oriented Programming</em>, and <em>Data Structures</em>
        </li>
        <li>Python is the coding language that I am most proficient in at the moment</li>

    </ul>
```


Another tag that I used in my code is the tag. This HTML tag allowed me to italicize some words while keeping the rest of the sentence unchanged. In order to use this tag, I placed around the words I wanted to italicize within an already written list item.

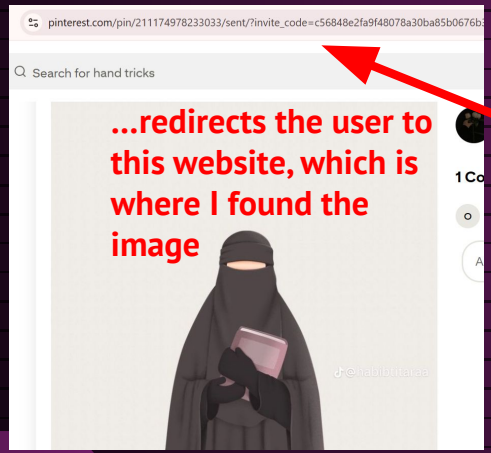


<a> and <img>

```
<div class="sections">
    <div id="profileImage">
        <a href= "https://pin.it/70viJ71hq" target = "_blank">
            <img src = "images/homePage.jpg">
        </a>
    </div>
</div>
```

clicking on the image...

...redirects the user to this website, which is where I found the image



https://pin.it/70viJ71hq

In my code, I used the <a> tag to include links and buttons. Using the <img> tag within the <a> tag allowed me to add an image to my website that redirects the user to the image source when clicked on.

03

CSS STYLES

#allAboutMe, .buttonSetup, and .row

#allAboutMe (id)

In my allAboutMe section, I used **font-family** in order to apply a specific font to the header. In this section, I also used **font-size** and **font-weight** to format the text the way I wanted. Lastly, within this container, I chose the **colors** and **alignment** I wanted for the header.

```
27  #allAboutMe{
28      background-color: #004D40;
29      color: #FCF3EE;
30      padding: 10px 5px;
31      font-size: clamp(24px, 5vw, 45px);
32      font-weight: normal;
33      text-align: center;
34      align-content: center;
35      font-family: "ZenTokyoZoo-Regular";
36      border-color: black;
37  }
```

```css
.buttonSetup{
    background-color: #4ab2a5;
    height: 47px;
    display: flex;
    align-items: center;
    justify-content: center;
    font-family: "Barriecito-Regular", serif;
    padding: 5px;
    position: sticky;
    top: 0;
    z-index: 10;
}
```

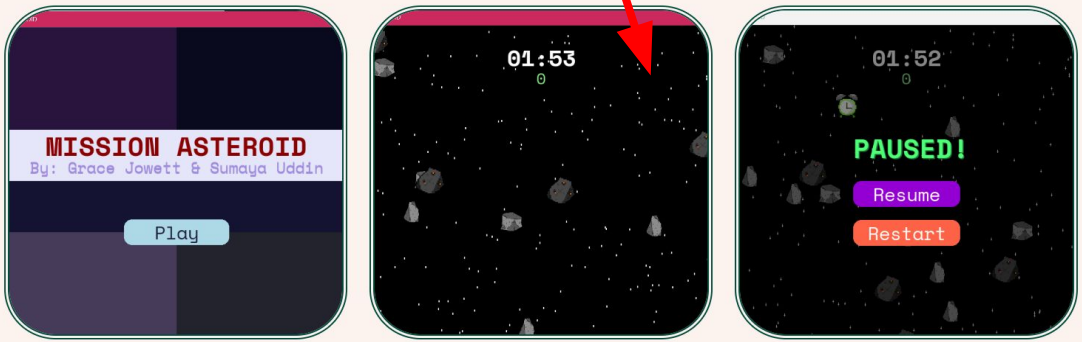
.buttonSetup
(class)

The .buttonSetup class in my code is for the navigation bar at the top of the page, under the header. In addition to applying **colors** and **alignment** to this part of the website, I also changed the **position** to sticky. This allows the navigation bar to follow the user as they scroll down the page. The **z-index** style is used to stack the navigation bar above the content.

```css
.row{
    display: flex;
    justify-content: center;
    gap: 20px;
    max-width: 1200px;
    margin: 0 auto;
}

.column{
    flex: 0 0 auto;
}
```

.row and .column (classes)

In these two sections, I included multiple CSS tags to help set my images side by side. The **display: flex;** line allowed the images to become flexible, the **gap** created some space between the images. The **flex: 0 0 auto;** line of code means that the images should not shrink or grow, and their initial lengths are set to the ones I specified.



Credits: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, infographics & images by **Freepik**