

**Date:** 04/09/2025

**Project / Module:** Portfolio

### **Goals for the documented session**

- Style an index webpage with CSS.
- Code in HTML with structure.
- Use div and position properties.
- Practice all the things that we've learned during Unit 1.

### **Tasks Completed**

- Arranged div within a webpage.
- Used classes and modify, for example, all the h2 in HTML document with CSS.
- Used forms, p, table, header, section, list, body and other tags.
- Made something like cards with div.
- Modify properties of the elements.
- Navigate between pages.
- Add images.

### **Use of Gen AI**

ChatGPT

- Prompt: [My Code] "Why are my div tags of different sizes?" (The code wasn't doing what I expected).
- Output: He said that it was because the size doesn't include padding and border, so I had to add border box to start to consider them. I changed that in my code.

Edits: I already had

```
div{  
  
    width: 200px;  
  
    height: 200px;  
  
}
```

And added the line box-sizing: border-box;

Reflection: Since I had different borders in every div, the size was being calculated in a different way for each one of them because there were borders that used more space and that affected the size. With box-sizing: border box the calculation included the border space as part of it, so the size ended up being the same for everyone.

- Prompt: "Can you explain to me more about absolute position?"

Output: When you use absolute position, the element will be set to the position you want regarding its direct parent. You use top, right, bottom and left properties.

Edits: I added that property to my div to make a diagonal.

Reflection: The explanation allowed me to understand how to write the code to manipulate the squares as I wanted to.

- Prompt: "<meta name='viewport' content='width=device-width, initial-scale=1.0'>" What does it mean?

Output: It explained to that line of code.

Edit: That explanation allowed me to set a div where I wanted to since I needed to code it regarding the page dimensions.

Reflection: Understanding the things that are written at the top of the code are important for accommodating the elements.

- Prompt: Whenever I had a problem with the code, I asked AI as in prompt one.

Output: It explained why it wasn't working as I expected and gave solutions.

Edits: I chose the more convenient solution to fix the code, but sometimes the code wasn't working so I told AI to tell me why and so on until I found the real error and succeeded.

Reflection: In this way I can save time because I wouldn't spend hours trying to find it on my own. Chat helps me to find possible errors and solutions, and with reflection I can find the most convenient solution or understand that that's not the error, so that give me guidelines to find the real problem. It helps me a lot as a debug guide, while I learn more functions and possible errors that I make.

- Prompt: “.container::after, .row::after { content: ''; clear: both; display: table; }  
me explicas esta parte del codigo?”

Output: It explained to me every line.

Edits: I was having problems with the position of the cards in the famous people section from the personal website. I used this explanation to understand the code from the internet and try to find the problem.

Reflection: AI also helps me to understand codes that I didn't do.

## **What I Learned**

- Absolute position is for moving the element as I want regarding the direct parent and relative is for moving the element as I want regarding the initial position.
- I frequently make mistakes related to not writing the same name as the class in the CSS file that I wrote in the HTML file.
- If you don't set dimensions for an element, its children can't be resized relative to its position.
- Sometimes you don't have to make a complicated code to solve certain problems, you only must find the simple solution.
- The structure in HTML is very important so that the div can behave exactly as you say in the CSS file.

## **Challenges & Bugs**

- Problem: The div I was telling CSS to move wasn't behaving as I expected.

Solution: I double checked HTML code and realized that there were extra or missing closing tags or there were tags with the same name, so I changed those things.

- Problem: There were so many lines, and it was difficult to know what element was although I tried to name them.

Solution: I moved some div in a random way to find the one that I wanted. Once I understand the structure again, I renamed them and tried to memorize better the classes.

- Problem: The borders in the Mondrian image were horrible. All my div had borders and there were many of them and there were spaces between them.

Solution: I left some div only with border on top and left, or only with right and left, etc. depending on the border that was already covered by another div.

- Problem: The code wasn't doing what I expected.

Solution: I tell AI to check my code and tell me if it can find problems with syntax. Errors are usually related to a misplaced bracket or a misspelled line of code.

### **Resources Used**

- ChatGPT IA: I asked for explanations of some elements, what the property was to, for example, round the edge, I asked it to explain to me what was wrong with my code.
- Presentations from Blackboard: "HTML the bones" - understanding divs, "CSS: The makeup" – padding, margin, display, position, alignment, font properties.

### **Next Steps**

- Be more careful with HTML syntax.
- Be more aware of the properties that I am assigning to the elements so that I can find the ones that are repeated and simplify the code.
- To have more structure in my head so I can better divide the sections in an image.
- Don't forget your indentation.

### **Personal Reflection**

Using AI helps me to save time while solving problems in the development of the webpage, but it doesn't replace my ability to create solutions and understand both the problem and the code or solution. Since I also use it to understand some concepts in a better way, I can make other webpages without using it or using it less, which is something that I said was the next step in the last report. I actually can get more involved into languages because I understand very well the way ChatGPT explains.