

## Programming Usable Interfaces

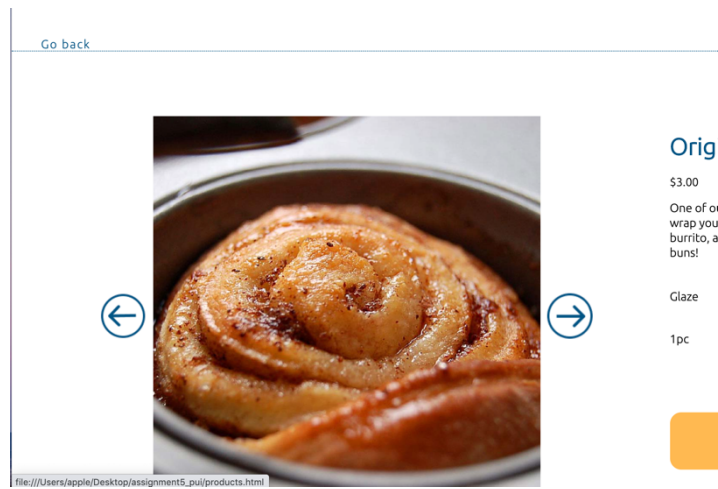
### Assignment 5- Reflection on Web HTML and CSS Prototypes

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Link to my website: [https://maggie-cc.github.io/PUI/Homework\\_5/](https://maggie-cc.github.io/PUI/Homework_5/)

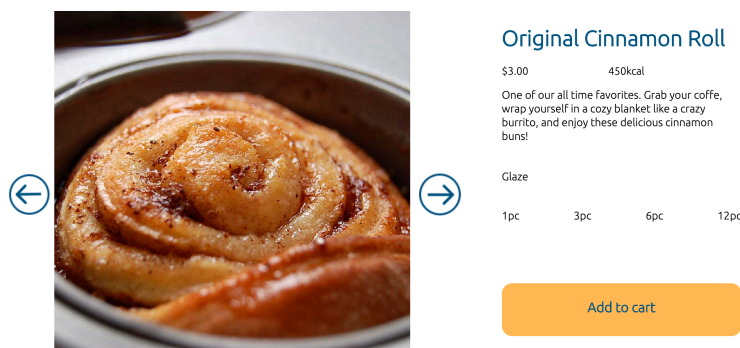
Link to my code: [https://github.com/maggie-cc/maggie-cc.github.io/tree/main/PUI/Homework\\_5](https://github.com/maggie-cc/maggie-cc.github.io/tree/main/PUI/Homework_5)

In my previous Figma prototype, I found three user interface bugs. The first one is related to Flexibility and Efficacy. After entering the product detail page, web visitors were not given an option to go back to the product browsing page. Although they might be able to just click on “shop” in the menu bar after spending 1 more second to think, it is not the most effective way to offer flexibility to customers. To resolve this bug, I added a “go back” element in the top left corner right under the menu bar. (see left)



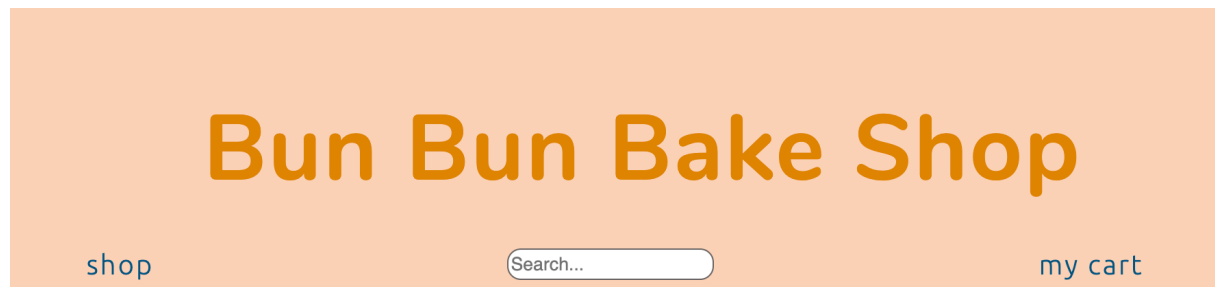
“Go back” feature added in the top left corner

The second bug I found out was about Aesthetic and Minimalist Design, specifically the lack of grid use on the product detail pages in my Figma prototype. As a result, different sizes of text were going over the margin and made the entire description section a bit disorganized. The arrows on both sides of the food image also did not appear to have the same margin. To fix the bug, I used a two-column grid in my HTML & CSS prototype, so that the text doesn’t go over the margin and the section looks clean and structured.



Used two-column grid to align the text section

The third bug I found out was the missing search bar. I think this bug should fall into the Flexibility and Efficacy category but I'm not certain enough. I looked again at the three websites that I did competitive analysis with and realized that my website does not have one, so I added a search bar as it will give users another option to navigate the site.



Considering I have no background in programming, every step in this process was a challenge, but one of the biggest challenges I encountered was how to make the menu bar items on the same line. I created a div and a class for each of the item but they were on separate rows in the beginning. In order to make them display on the same row, I looked up some Youtube videos and W3Schools tutorials and used the flex property.

Another big challenge in the process was to make all the product images the same size on the product image site, and display three images in a row at a time. After spending some frustrating research time trying to figure out what to do, I decided to go to one of the TA's office hours. Because of the 12-hour time difference I have with Pittsburgh, only Amber's office hour time worked for me. Following her instructions, I resized the image in CSS by selecting the class those images were in (didn't realize I was selecting the class outside of the images class before coming to the office hour). This session gave me a good start for creating the product page. Later in the next day I reviewed the codecademy's CSS tutorial on Grid, and solved the problem earlier by creating a 2 x 3 grid system for those images.

By far the biggest challenge was to figure out how to use Git and github to upload my work. After several tries, I found that my mac isn't compatible with the current Xcode version, so I only used Github desktop and Github website to upload my files. After uploading, I opened up my site through the published link, and saw that the product detail image was overlapping with the product description. But when I access the site from my local host it appeared to be just fine. I consulted my friend and was told that browser cache might be where the problem is. Following his advice, I added inline css to the specific html file, but still didn't fix the issue. As I'm editing this reflection, I'm still trying to figure out what went wrong.

As for the brand identity, Bun Bun Bake Shop is a bakery company that sells and delivers different flavors of cinnamon rolls. Their price range wouldn't be high, and the target customer group should come from a wide range of people. As a result, the website doesn't need a serious, cold color palette, nor formal, sharp-angled fonts. When I think of this type of food company, I immediately want to create an identity that says comfort, love and warmth. In addition, cinnamon rolls always make me think of the season fall, so combining the two points above, I decided to use a warm color palette that contains various types of orange colors that usually naturally exist the most in the fall. Besides, in order to create color contrast and increase readability, I chose a darker blue, the complementary color of orange for the text. In order to create the feeling of being invited, I went with fonts (ubuntu and nunito) that are less rigid, a bit casual, and have more uses of round shapes, but still appropriate to use on a company site.

To conclude, this assignment was by far the most challenging one I've ever done in the class, but it gave me great satisfaction seeing the site live!