

Link to Website: https://phipsoncheukyil.github.io/homework_5/index.html

Link to Repository: https://github.com/phipsoncheukyil/phipsoncheukyil.github.io/tree/main/homework_5

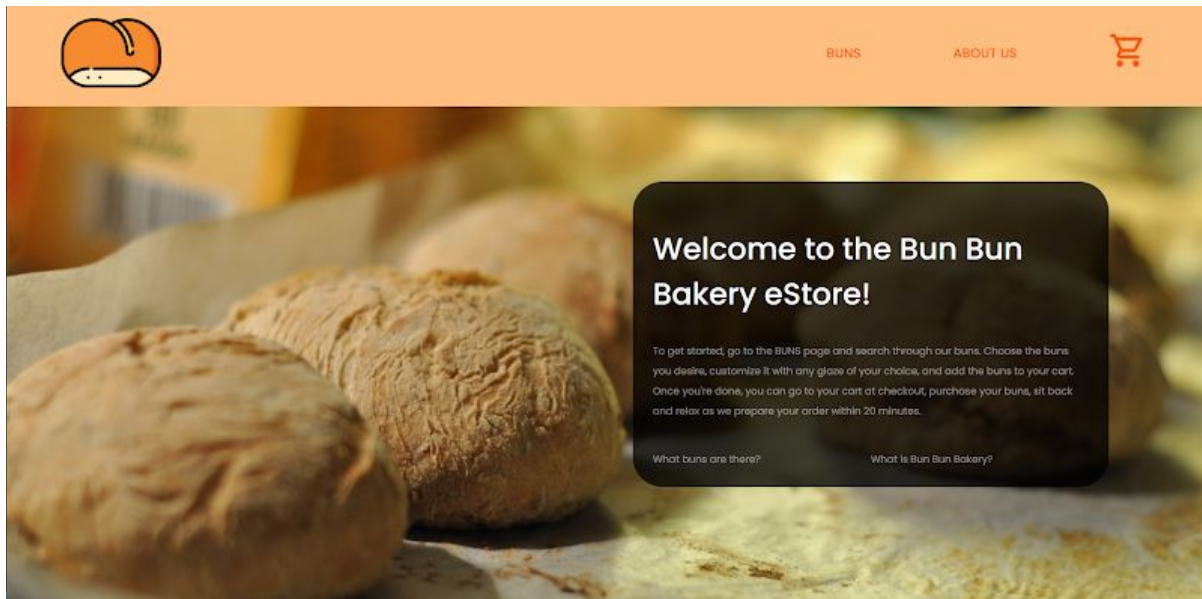
Bun Bun Bakery: HTML/CSS Prototype Reflection

Heuristic Evaluation

In the process of designing and iterating through the website, I realized that my original Figma prototype did not meet some of the heuristic requirements. Specifically, given the constraints of using HTML and CSS, I identified and fixed the following bugs during implementation to improve upon my existing UI:

1. Help and Documentation on the Home Page

From my Figma prototype, I did not add sufficient information about how users should use the website to buy and purchase buns. As a result, this would confuse users when they see the navigation menu bar and see a list of buns without indication of how the website works. To help them with this process, I decided to add more explicit instructions on the home page and at the top of the products page.



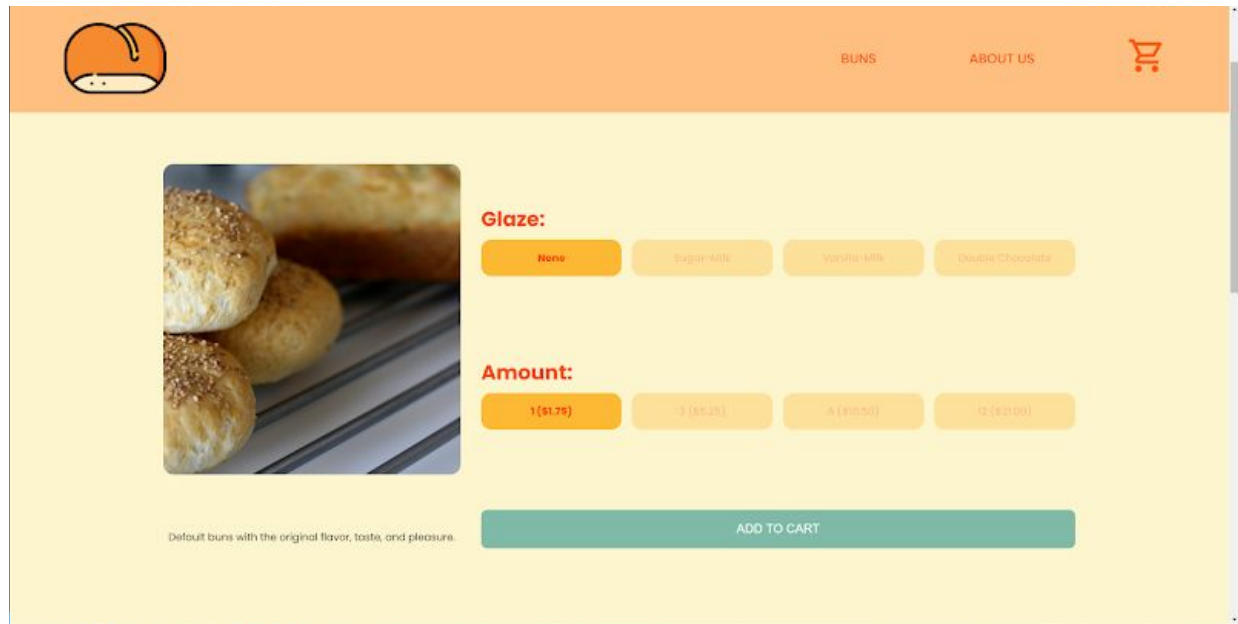
2. Recognition rather than Recall in Product Details

One thing I noticed was that although I did give user feedback about the quantity and glaze of the products they're selecting in the product details page, I did not give indication of the price of the products after they've modified the quantity. In particular, since this information is only located in the products page, users are forced to remember the price

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of the buns before they enter the product details and are forced to perform mental arithmetic to calculate the final cost before adding the product to cart. To resolve this, I have added the price of the buns to the product details page, and also an indication of the price below the quantity. Ideally, the price will update through javascript code, but due to the constraints of this assignment, this is a temporary workaround without using javascript.

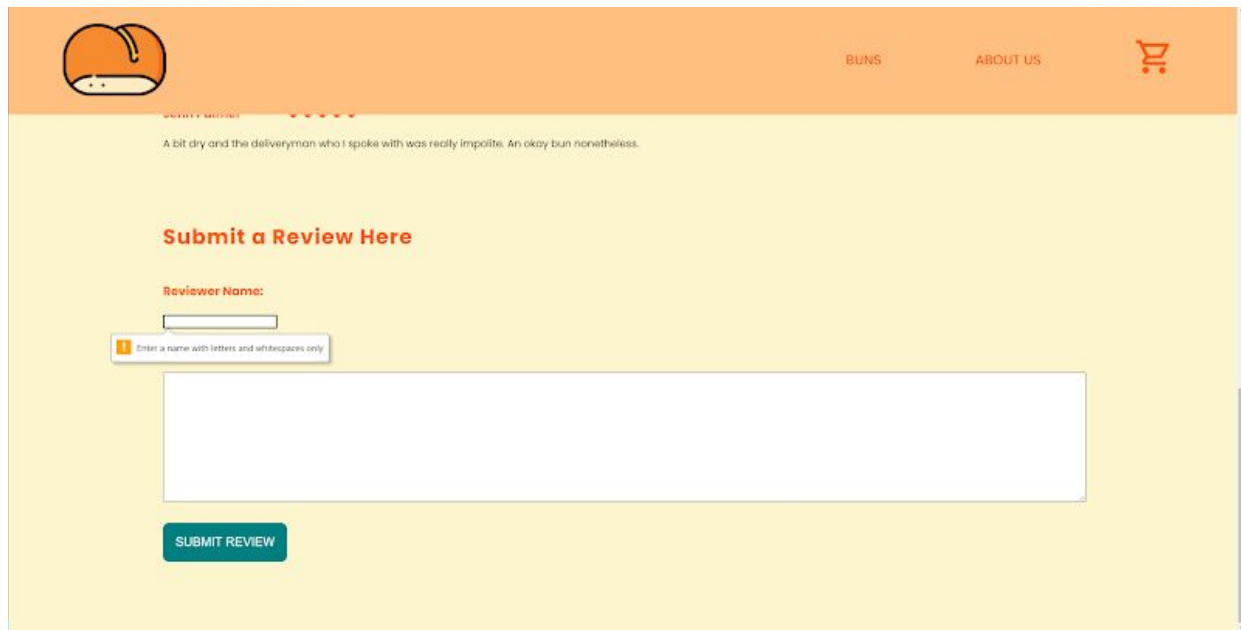


3. Help users recognize, diagnose and recover from errors in Review Submission

For review, I did not add form validation indicators in my Figma prototype, as reviews were not a primary functionality of the product I was prototyping. However, upon implementation, I realized that users could easily add numbers and symbols that are typically not included in a name, and that they could easily submit blank reviews without any text. To overcome this challenge, I added basic character checking in the form to ensure that users would submit a valid review after they have tasted the buns of choice.

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Challenges and Bugs During Implementation

In the process of implementing the HTML/CSS prototype, I was often confused about the way that CSS “Position” worked, specifically with relative, absolute, and fixed. After reading documentation on W3, I then figured out which ones to use, which was mostly relative, but I also used fixed for my navigation menu to ensure that it was pinned to the top of the viewport even after scrolling. Another feature that I learned was being able to modify specific corners of the border radius: in my Figma prototype, in the products page, I only rounded the top corners of the div. I originally knew of border-radius, which modified all the corners of the div, but after some exploration and searching, I found out that I could actually specify the corners that I wanted to modify, which gave me more fine-grained control when rounding specific corners to achieve the same effect.

One final challenge I had was with cropping images. I realized that using object-fit in CSS for images did not allow me to ‘crop’ them while preserving the size of the container. As a workaround, I created a div with a specific ID that allowed me to modify the background image and then crop and fit the image without affecting the size of the div.

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Brand Identity for Bun Bun Bakery

My original intention was to make Bun Bun Bakery both a modern-looking and fun brand by using the alliteration of its name as well as the color scheme to give a very bright and fun personality. The logo I chose specifically is also very cute and appealing for a younger audience. As mentioned from Assignment 3, my original intention, when defining a persona for the company, was to make it fun yet professional. The alliteration in the name of the bakery brings a warm and fun personality to the company, which was something I wanted to emphasize. However, at the same time, to enhance the company's credibility and reliability as a bakery, I also wanted to underscore its professionalism through the modern and minimalist web design.

Upon getting some user feedback from classmates, I realized that the black and gray from my original prototype created a dull and sombre tone to the UI, making it feel very mellow and dark. As a workaround, I then used orange as my dominant color and primarily worked with warm colors. The minimalist design contrasts the images of the buns in the products page, which makes it easy for users to find and navigate through the product page to find and learn more about the buns. The sans serif fonts also complements the modern, minimalist design, thus making the website feel professional, modern yet fun and bubbly. In addition, I also removed the nested `<div>` border and background color change in the cart.html page, to ensure that the color scheme and minimalism is consistent with the other pages, as shown in the screenshot below.

