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Lab Section C

PUI Assignment 5: Web HTML and CSS Prototypes
Client: Bun Bun Bake Shop
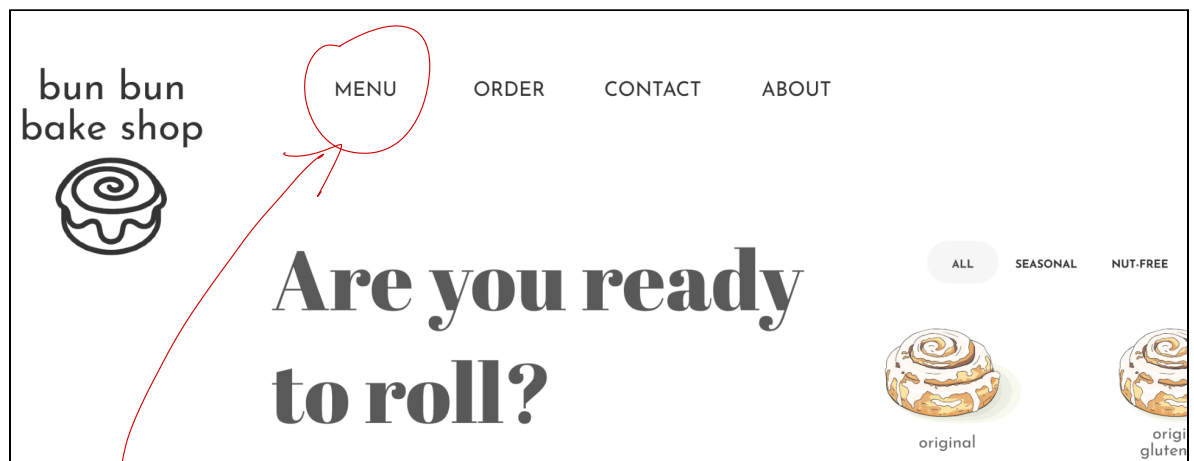
Link to Website: https://dagarwz.github.io/homework_5/
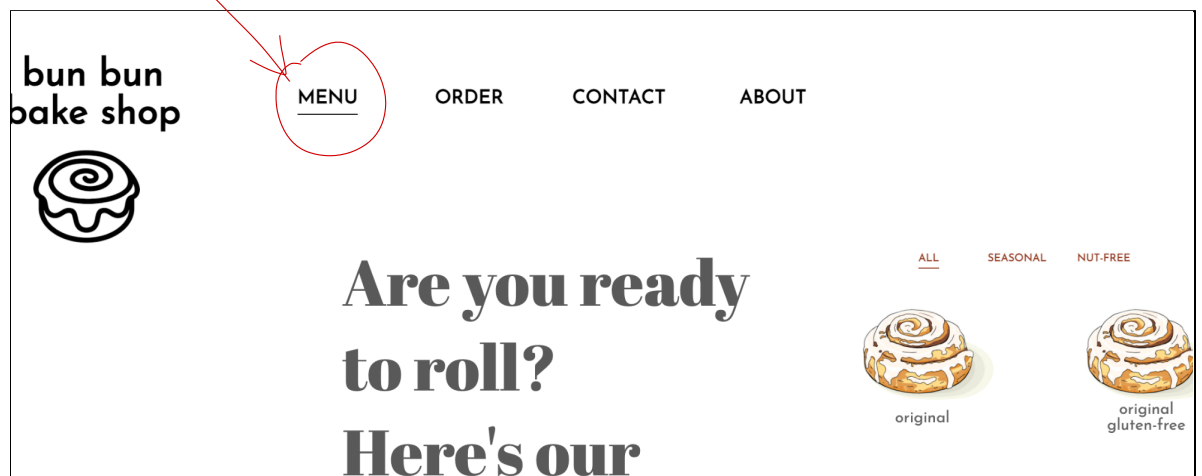Link to Source Code: https://github.com/dagarwz/dagarwz.github.io/tree/main/homework_5

Heuristic Evaluation

- **UI Bug #1:** Navigation Bar elements not showing active state when selected.
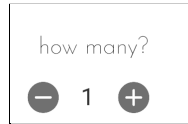 - **Screenshot before fix:**

  - **Violation of Nielsen's Heuristic #1:** "Visibility of System Status" because the user would have trouble knowing which page they are currently on.
  - **Fix:** The hover-state of the nav element is an underline, so I added code to ensure that the nav element page that the user is currently on stays underline to show that it is the current page the user is on.
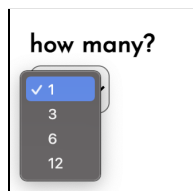 - **Screenshot of fix:**

- **UI Bug #2:** Quantity Selector was an increment/decrement counter which didn't make sense because the increment/decrement is not consistent
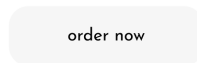   - **Screenshot before fix:**

    - **Violation of Nielsen's Heuristic #4:** "Consistency and standards" because it is a standard and more intuitive for the user to have quantity options such as (1, 3, 6, and 12) in a drop-down menu form instead of a -/+ increment/decrement counter for this set of numbers.
    - **Fix:** I changed the design from -/+ counter to a drop-down selector in the html code by using the <select> and <option> tags.
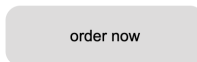   - **Screenshot of fix:**

- **UI Bug #3:** "Order Now" and "Add to Cart" buttons did not have good feedback
    - **Screenshot before fix:**

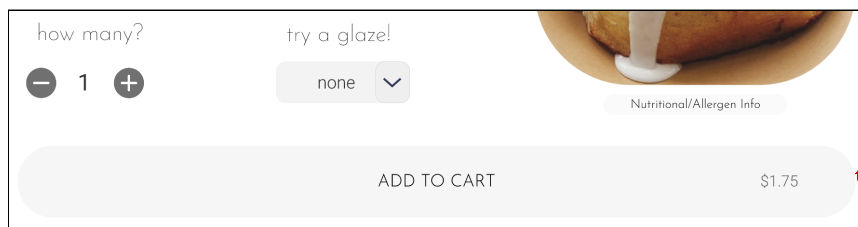   ← stays in this state with or without hover

    - **Violation of Nielsen's Heuristic #1:** "Visibility of system status" because the user does not receive appropriate and immediate feedback when hovering over or clicking on a button.
    - **Fix:** I added hover functionality to buttons in the CSS code by using the ":hover" attribute.
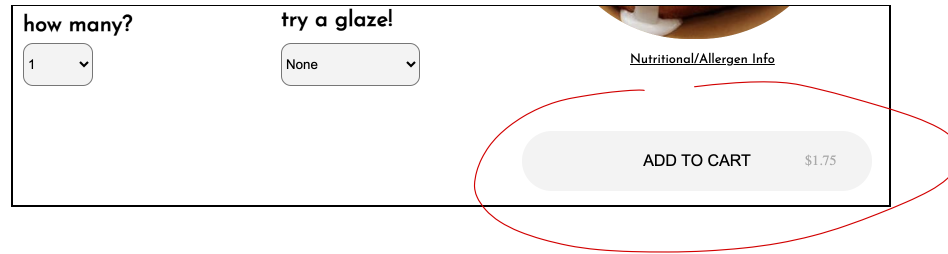   - **Screenshot of fix:**

    ← changes color when hovering

- **UI Bug #4:** "Add to Cart" button was too big and got in the way of quantity and glaze selectors
    - **Screenshot before fix:**

    - **Violation of Nielsen's Heuristic #5:** "Error Prevention" because when trying to pick a glaze from the drop-down menu, the user may accidentally click the "Add to Cart" button because it's in the way.
    - **Fix:** I edited the CSS so that the "Add to Cart" button is smaller and to the right of the page and does not conflict with the drop-down selectors.
    - **Screenshot of fix:**

Challenges

One high-level challenge I faced was figuring out whether an implementation is possible with only vanilla HTML/CSS or if it needs Javascript to enable. For example, making the navigation elements stay in an activated state when the user is on the corresponding page seemed to only be enabled using Javascript but I eventually found a way around it with HTML/CSS by adding an "active" class for the nav element in the corresponding html page and styling the active class in CSS accordingly.

I also struggled with matching the specific font styles/weights in my Figma prototype to my HTML/CSS prototype. I imported google fonts but found it difficult to customize them. I noticed that several individuals online had the same issue - so I played around with font sizes and colors instead.

Another issue I dealt with was positions of elements on the page (absolute vs relative), trying to position them so my HTML/CSS site matches my Figma site, and also trying to implement responsive design. Since making the website responsive was not a requirement for this assignment, I decided to forgo this feature in the interest of time but would definitely love to learn how to implement responsive design in the future as it is quite important according to current industry standards.

Client Brand Identity

I wanted to implement a clean, minimalistic design for the client as the primary audience is busy college students who want to quickly browse the menu and order rolls without having to deal with many bells and whistles.

I added quirky elements such as fun images/illustrations for the rolls with subtle, but fun hover effects and puns such as "Are you ready to roll?" to add delight to the website. The delight also reflects the client image of being a delightful shop that sells rolls.

Citations of External Resources Used

Images:
https://www.svgrepo.com/svg/34854/cinnamon-roll
https://www.istockphoto.com/vector/cinnamon-roll-gm165058905-3408622
https://food52.com/recipes/85127-perfectly-pillowy-cinnamon-roll-recipe
https://www.foodnetwork.com/recipes/food-network-kitchen/almost-famous-cinnamon-buns-recipe-1973005