Assignment 6: Prototypes, Reflection, and Image Sources

GitHub Collaboration Link: https://github.com/agarwaln27/assignment6/invitations

Lo-Fi Paper Prototype:
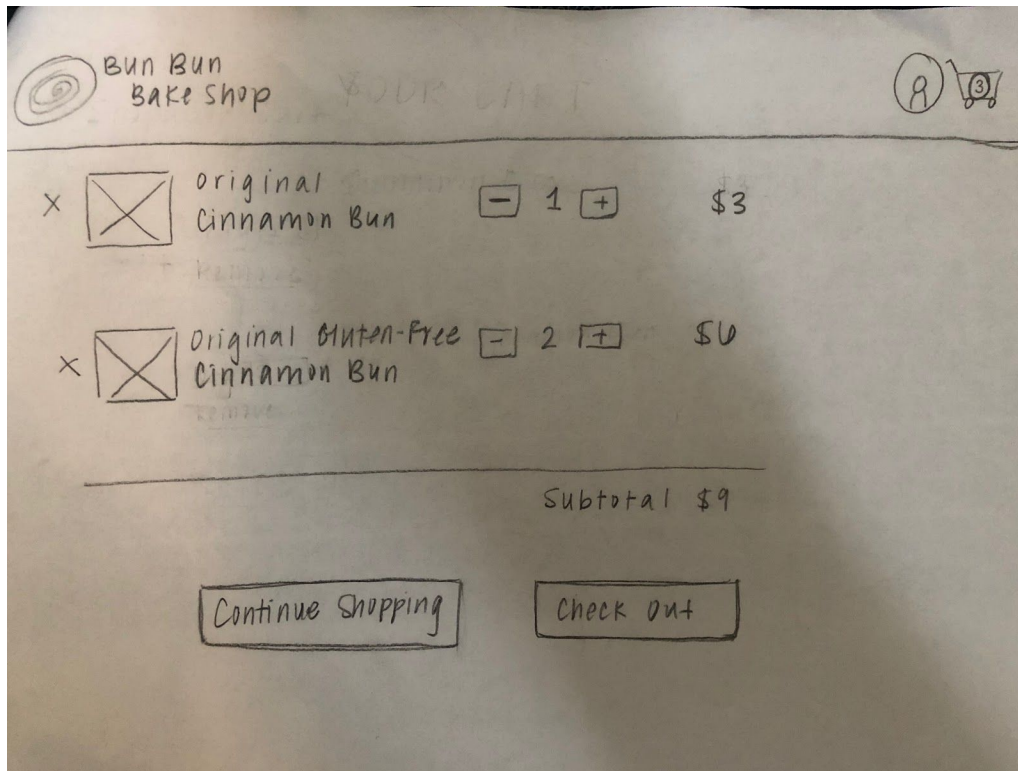
For this shopping cart, I decided to go with a very simple design. Each item added to the cart would have the option to remove with an "X" label clearly aligned to the left, an image of the bun, the quantity, and then the price. The user would be able to make updates to quantity directly on the cart. The number of items in the cart would be reflected on the cart itself and then there would be two options at the bottom to continue shopping (go back to the buns page) or check out.

Hi-Fi Prototype:
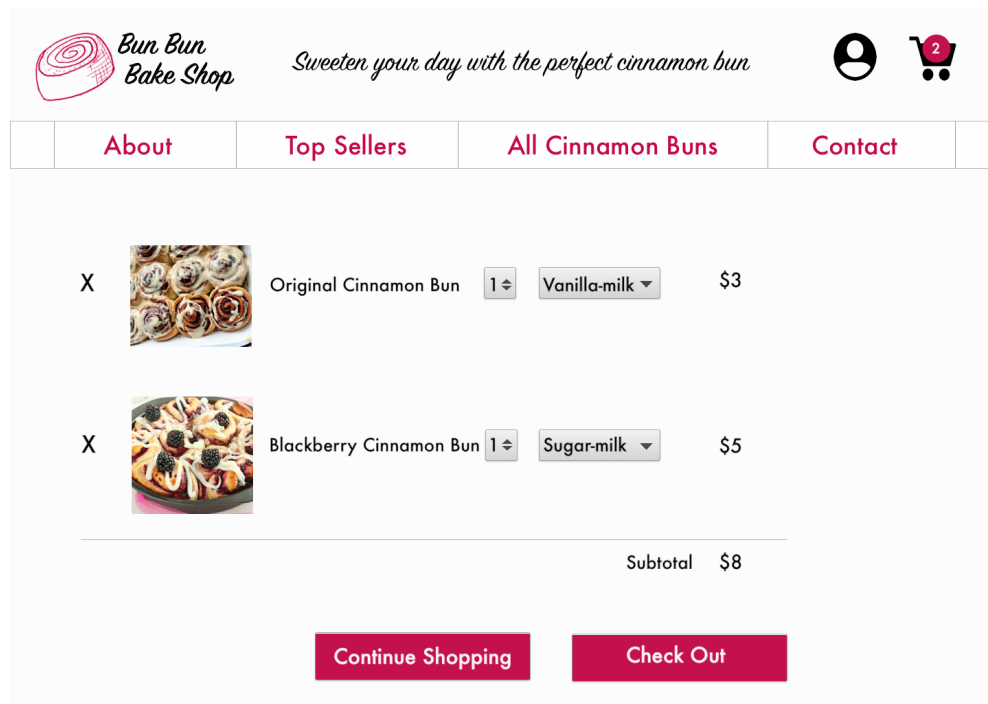
In the hi-fi prototype, I maintained the same design as my paper prototype but added the glazing dropdown to allow users to update their glazing choice directly from the cart as well. I wanted to stay in line with the brand of the entire page, so kept the pink buttons and clean design with lots of white space in this page as well.

Reflection: What challenges or bugs did you encounter? How did you overcome these challenges?

This was a very difficult assignment, which I did not feel entirely equipped to tackle, so I encountered many challenges and bugs along the way. I was able to overcome some of them, but not all. I spent several days and hours figuring out how to configure my cart, getting the "add to cart" button to pull attributes of the cinnamon bun into local storage and then having it write those items into a dynamic cart. I had several iterations of the cart before I finally got something functional that added rows and the appropriate attributes. Unfortunately due to other academic and personal obligations, I was not able to devote more time to successfully figure out the glaze selection changing the picture, the quantity updating the price, or the cart reflecting how many items were in the cart. I overcame the challenges with the cart by asking my classmates for help (don't think I would have been able to make it without them!) and by referencing existing approaches online. I went the approach of creating a table and having a javascript function insert rows into that table with the data from the cinnamon bun that I indicated it should grab. I also found the inspect console functionality within the browser to be very useful in helping me identify any issues in my code that may be preventing desired behavior.

One of my biggest lessons learned from this experience was that there can be major gaps between designing a wireframe and executing the desired design and behavior in code. Thus it becomes important to make sure the design choices are clear and not complex for an unnecessary reason.

Image sources:
The Noun Project for several symbols (Account, Cart, Arrows, Cinnamon Bun in logo)
Unsplash.com for several Cinnamon Bun images
Other Cinnamon Bun images
- Blackberry Cinnamon Rolls, https://gatherforbread.com/blackberry-cinnamon-rolls/
- Cinnamon-Walnut Sticky Buns,
  https://www.tasteofhome.com/recipes/cinnamon-walnut-sticky-buns/
- Quick and Easy Cinnamon Rolls, https://www.handletheheat.com/quick-easy-cinnamon-rolls/
- Pumpkin Cinnamon Rolls,
  https://www.holidaysmart.com/articles/24-things-pumpkin-spice-besides-coffee
- Caramel Pecan Buns,
  https://www.pillsbury.com/recipes/caramel-pecan-buns/5fdea36f-0d3d-4c58-a08c-68422e427955
- Maple Pecan Sticky Buns,
  https://sallysbakingaddiction.com/2017/04/12/maple-pecan-sticky-buns/
- Caramel Pecan Cinnamon Rols,
  https://www.tasteofhome.com/recipes/caramel-pecan-cinnamon-rolls/
- Cinnamon Rolls, https://www.bakefromscratch.com/classic-cinnamon-rolls/