

Technical Design Document

The website I decided to recreate and chose for this project was Amazon.ca, a billion-dollar company that makes it easy for people to shop and sell products, along with fast and easy shipping. Initially, I chose this website because I found that Amazon had a lot of potential components and pages that I could recreate. Additionally, these pages had enough complexity to incorporate buttons, search bar, and other reusable components. In Addition, the website is something I've used often and so, I am familiar with its functionality and design. Furthermore, Amazon featured similar components that we've learned in class, which made it easier to apply course concepts to when in the process of creating to make sure to fulfill the guidelines. Finally, I found Amazon as a great website when learning to create web applications.

The first page I decided to create was the 'Home Page'. The Home Page is something that everyone first sees and gives the user the ability to navigate to different pages, for example, to login into their out, search up different features, or even checking out their items in their cart. It's a great starting point and allows users to recognize the site, instantly. Secondly, I decided to create a 'Login Page', to allow the user to login into their account, that way their orders would process through their account only. Also, this customizes the website personally to the user. Additionally, with the Login Page it allowed me to create forms and buttons that are functional to the user and myself. Lastly, another page I decided to create was the checkout page. Seeing as though in our current tutorial we've been creating a pet store, I thought it would be great practice to create a functional checkout page, that allows users to remove an item, add items to their cart, and even see their subtotal. Thus, these are the reasons as to why I decided to create these specific pages.

The first component I decided to create was the 'Header'. This is because it ended up being a reusable component that I also used in my checkout page. Additionally, it featured the other links to get to the login page, checkout, and displays how many items are in a user's cart. Secondly, I created a Navbar which featured all the different categories of items that Amazon has featured. This allowed for filtering of different categories and gaining experience on creating different navigation systems. Thirdly, I created a product cart component used in the checkout page to display the product item. Furthermore, I created this component as a way to show the item and used knowledge from the course examples to incorporate into it. Fourthly, I created a checkout product which gets displayed in the checkout when a user adds an item to cart. This also contains a "remove from basket" button which gives the user the option to remove, thus, changing the subtotal. Fifthly, another component I created was the search bar, which gives the illusion of users being able to filter through different categories and search up different items. Along with the traditional search bar icon. Lastly, the last component I created was the subtotal component which featured the total cost of all items in the basket. I created this because I wanted to get more familiar with using hooks. Therefore, those are the reasons as to why I created these specific components.