**Project Proposal**

Gatlin Thompson

**Overview**

This project describes constructing a react app using Amazon transactions between users and the server. The starting point for the user will have a home page with featured items that include images, titles, and pricing. Every page has a nav bar comprising a cart, user login/info, and a search bar.

**Audience**

The target audience will be the shoppers who enjoy the ease and accessibility of online shopping. Easy to digest text and a distinct color to "Add to Cart" to capture their attention.

**Layout**

**Home Page**

The home acquires its information for featured products by pulling data from Firebase. Along with a search bar to highlight the need for the user to interact with it. The navigation will present a user authentication, cart icon, and search bar. When the user types in the correct information for their username and password, it will pull information, such as shipping address, current cart, and other minor details. This information will be present for the rest of the user's journey through the site.

**Catalog Page**

The Catalog Page contains a list of the products with a search bar for filtering through the said list. When the user types in the search bar, it filters through the list and pulls up only what the user is looking for. The products will present a link to the item page with parameters to allow information to be pulled.

**Item Pages**

Every Item page will pull information from Firebase to present the item's details. These details include the image source, price, description, and other information about the item. User interaction with these pages opts to change the quantity and click the "add to cart" button. When clicking the "add to cart" button, it takes the parameters of the item and the quantity selected.

**Functionality**

* useContext – Keep information on the cart throughout the pages
* React Router- Navigate through multiple pages without needing to refresh the page/info.
* useState, useEffect- General capture of information or enacting block of code.
* Authentication- User authentication to provide context on the previous cart and user details, along with security proposes.
* Realtime Database- Using Firebase, information about users and items will be the basis of server meets up with users.

**Design**

The design aspect of the project is to mimic the basic design of Amazon. Using the Bootstrap library to provide the site's framework will be critical. Along with the customization of key objects, the site will have medication better to fit the look of a smaller database of things. As stated before, the targeted audience is consumers, so providing easy-to-read details and eye-catching products is vital for the site's design. A bigger and brighter button is used to catch the customer's attention and make purchasing easier.