Criterion E: Evaluation

Evaluation of success criteria

#	Success Criteria	Client Feedback	Advisor Feedback	Self-Evaluation
1	The user should be able to create an account.	**Met -** "I like the application allows a user to create an account."	**Met** - "It's good, it has basic email validation on SignUp."	**Met –** I agree with both of their statements. This clearly shows user creation and authentication.
2	Users should be able to search for an item using the product name.	**Met -** It returns the pricing data and allows me to easily see the cheap prices in 1 tap.	**Met -** "It meets the expectation for the MVP"	**Met –** the main functionality of the application is present.
3	After searching for an item, a user should be presented with a list of deals from across multiple retailers. This should be presented in a hierarchical fashion, where the best deal is presented at the top of the list. Users should be able to see the current price for every single product listing presented in the menu.	**Met -** "The final product meets my expectations. It returns pricing data from competing retailers for searchable items."	**Met – "**the product clearly presents the pricing data in a nice fashion. The pricing data is listed from least to most expensive."	**Met –** I totally agree, the UI helps the User visualize and compare prices. The list hierarchy also helps greatly.
4	Users should also be able to set a "price alert" for a desired item.	**Not Met –** there was no prompt for price alert. It would be great down the road if the web portal allowed to bookmark an item so we can get notified when it goes down in price.	**Not Met –** there is no UI or icon to set the price alert. She mentioned that this was a feature that should definitely be explored in the future	**Not Met –** I totally agree, this is a cool piece of functionality that provides great user experience and is a thought-provoking challenge.
5	When a price alert is set, a notification should be sent to the user's email once the cost of the product has reached the desired price point.	**Not Met –** once again there was no prompt for price alert. It would be great down the road if the web portal allowed to bookmark an item so we can get notified	**Not Met –** Ms. Maheshwari mentioned that there were no notifications or priceWatchList functionality of any sort. She also said	**Not met –** I definitely agree with their statements. This is a missed opportunity that I can work towards in the future.

		when it goes down in price.	that it would difficult to integrate notifications but is something to explore in the future.	Unfortunately time was not on my side because researching and finding retail APIs that are available to students proved arduous.
6	Upon selection of an item in the price list, users should be directed to its respective retailer website.	**Almost there–** Mr. Howard stated that it would be awesome if users could click on the photo or container to navigate	**Met –** my advisor stated that there was a clear and good approach taken to linking to the retail sites.	**Met –** I do think I met the requirements but I will definitely keep in mind Mr. Howard's recommendation in the future.
7	Users should be able to navigate and use the application with ease. It should also be visually pleasing.	**Somewhat –** My client noted that there was a lack of UI and it seemed minimalist, which wasn't necessarily a bad thing.	**Somewhat Met –** my advisor shared that in apps that are focused on data visualization, it's important to have a good interface.	**Partially Met –** I do agree, there should be more time spent on crafting the UI. Given the issues that arose during the early stages of development, I fell behind and had to make sacrifices to the interface itself.

Recommendations for Further Development

In the future, I would like to first start off by developing the "bookmark"/price notifier. This was definitely an area which I did not meet although it was underlined in the success criteria. Hence, that is the first piece of functionality that I will work on. I am confident that I will be able to meet this goal because of the work I've already done with the abstract data type HashMap I created. Since this node based structure stores a key and value pair, I can store a product and it's desired price in it and save it using Google's Firebase Firestore. Also I think that hosting this as a microservice using a SaaS platform like Azure Kubernetes Service by Microsoft will help my feature function appropriately. If my web app were to be live 24/7, that means that I could periodically call the API and check to see whether there have been changes made to product price.

Beyond that, I think having a side-by-side comparison which also looks at the finer details about a product, will help users tremendously. I believe the object-oriented approach I took with retrieving the data will enable me to efficiently display important product data in such a manner. Likewise, by spending more time working on the user interface, I believe that I can accomplish this.

Word Count: 225 Words