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Comp 4630

11/28/21

Resell Portfolio

My project proposal is called "Resell Portfolio". The idea is, this application will help create a more organized environment for any type of resellers. Resell Portfolio will revolve around user input. A user will input an item/service they sold on any platform, and the appication will create a management system. How this idea came to be was by I. I am a reseller who does not have a good system at all to manage what I sold, how I profited, what I have, how much I have spent accurately, and much more. I do everything manually so I thought lets make this automated. Once the main concept is established I plan to scale the project to other platforms.

Resell Portfolio is intended to be an "essential" small handy tool for resellers. A user will first create an account (which will link all data to that account) using the classic email/password authentication using firebase so I would not have to worry about encryption. Another authentication I plan to provide after all the core concepts have been implemented, is Discord OAuth2. As the reselling community primarily uses this for all of their tools to buy items, and obtain information on their items. Next, once the user is logged in, the dashboard will appear. It will show their overall status on net income, inventory, and chart to visualize.

At the dashboard the user will have option to choose between four tabs; dashboard, inventory, net income, and settings. At the "Inventory" page there will be three view options; current, pending, and history. The "Current" tab will show what the user currently has. "Pending" will show what is in the process in terms of fund received / shipping status that the

user will have to manual put. Hopefully I can do something similar to "SHOP" (application by shopify) which automates all of what is stated above. "History" will show what has been processed already. The "Net Income" page will show the net gains or losses a user has made based off of what they put into the management system. An add-on that I plan to add is whether the user will be able to tell if they owe tax or not. The "settings" page will show the basic settings, such as privacy, email, password, notifcations, and more.

So far, what has been implemented is the navigation system, database, and parts of each page. I created a database using firebase. It is going to be used to store use authentication and user information in a JSON format. I plan to use basic requests to obtain and post user data. You are able to sign up and and login based on whatever input you use, and it is valid checked. Once you are signed in you can log out as usual. I will need to implement the core features of each page, which I believe should be finished by the end of the semester. For the each of the four pages, I created the basic UI layout. I did not do much backend work, only frontend routing so far.

For backend work, the dashboard needs to read the database and I need to create an algorithm to correctly show the statistics of the user. Which should be a simple algebra 2 formula. For the "Inventory Page", I need to create a good life cycle state mangagement system. I think it will be easy as I will be using state and reset state in react native. Next the "Net Income" page will consist of a method that reads data from database, and then applies it to a formula to see how much a user is making or losing that is then displayed. This will also be filterabled so you can see what platforms you are making or losing the most on. Finally, the "Settings Page" is your average settings page for any application.

On a side note, mobile development is actually a lot more time consuming than I thought. I geninuely did not think it would take me this long, but I am learning a lot so it is worth it. But once I am finished with this app, I am hoping to make it cross-platform onto PC, which should not be too hard with electron and react because essentially it is the same thing. I also plan to add it my discord bot where the user can type in a command such as "-inventory" and it will show the inventory count IF AND ONLY IF the user has signed up with discord. Overall, project is going great.