

Team Name: Health Balancer
App Name: Health-Balancer

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status report

Functionalities

1)Authentication

Users can sign up the account and sign in via Firebase Authentication API. The sign up/sign in method is through email address and password. Once users open Health Balancer, they will see the sign up page first, they can sign up the account. If they have already signed, they can go to the sign-in page. When users sign in successfully, they are able to find the log out button to log out.

2)Home page of Bottom Navigation

Users are able to view records they created. There are two types of records which are food and work out. Those two types have different user interfaces to show the records. Inside the records, the user can choose to show all records, then all records will be shown in separated card views. And also users can search records based on date, for example, they can set start date and the end date to query the records. Users are able to delete each record as well. About the information in each record, food type record is saving the date, record type(breakfast, lunch, dinner), main food, the calories of main food, drink, and the calories of drink. Work out type is saving the date, record type, work out, and the calories cost.

The other two buttons for users in this page are view food calories and work out calories. Users can set start date and end date to query date, and then the total calories intake or cost will be shown.

3)Dashboard of Bottom Navigation

Users can view calories suggestions here. After answering a few questions, this program will calculate the basal metabolic rate, personal daily calories cost and the final calories intake amount suggestion for users.

Users are able to create records on this page. First, users have to pick which type to create, food type and the work out type will lead users to different user interfaces.

4)Notifacation of Bottom Navigation

Users have to fill their personal information here. They are able to set name, gender, age, weight and height. Those data are for further calculation. Users can choose to open notifications or not, if they do, this application will send announcements to users every 1 pm for reminding users to enter their records.

5)Graph of Bottom Navigation

Users are able to view their calories data through the pie graph. Users can set start date and end date to query date.

Current vs. Proposal

We delete the reset password functionality, because this functionality in firebase API is kind of confused, we are using email address/ password sign-in method, but the reset has to use email link.

About record, we delete update records functionality, because create records functionality is lightweight, users can easily create records. Therefore, we think modifying records is useless.

About the Notification part, we change this to be lightweight. Because we are facing some technical problems. We feel hard to implement this functionality as the proposal wrote.

We were planning to implement a JSON API for search food functionality, but this food type API is limited and cost dollars. Therefore, I use the webview for users to search for food on the free website.

Dev logs: https://github.com/PengLi97/Comp3004project/tree/master/dev_logs

Youtube: <https://youtu.be/yWRUME01kVM>