

Report midterm project CS426

App: Healthy Life

I. Members

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II. App structure

1. Login and Sign up

- **LoginActivity**

Users can log into the application with google account, Facebook, or account Healthy Life and push user info to Firestore database.

- **SignUpActivity**

Let users register for their Healthy Life account and save that account in the Firestore database

2. Remind user to drink water

- **WaterActivity**

Manage water users drink for 1 day.

3. Sleep tracking

- **SleepCounter**

Calculate the user's sleep and save into a internal storage file

- **ScreenHandler & ScreenListener**

Creating a background service to check the screen is turned on or turned off

4. Navigation Activity

- **MainActivity**

A screen can help user to navigate to other activity.

5. Work in Process

- **Food Activity**

This activity will offer the food for each meal. And by tracking the user's choice, it will suggest the dish which suit the user's taste.

- **WaterActivity and SleepActivity (cont.)**

Statistics and advice for users to have better health

III. Major function

- Handle Log in by Healthy Life account, Facebook, or Google.

- Calculate the user's sleep by detect if they turn off the screen a certain time.

- Remind user to drink water by the notification and save the data for the statistics function in future.