

CSE 546 Project 2 - Medicine Expiration Date Reminder

Aakash Patel(1219522499)

Disha Bhukte(1219495225)

Sapan Desai (1219080070)

A Brief Summary of your proposal

Our application will help the user to make people aware about their medicine expiration. Generally, after the expiry date of the medicine, the dosage level reduces that makes it less effective. Our app will simply scan the QR code present on the new bills, and will fetch the information such as the medicine name and its expiry date. This will directly be stored into the user's calendar.

Once near the expiry date, the user will get a set of reminders regarding the medicine expiration. Moreover, there will also be an option to add the doctor in user's information. The same data will also be shared to the doctor. The purpose of this feature is to make sure that the doctor is also aware about the medications available to the user.

A list of project components you have already completed

There are few components of the project that we have completed such as:

Sign up Page: The sign up page has been developed using ReactJS and linked to the Firebase Authentication.

Sign in Page: The sign in page has been developed using ReactJS and linked to the Firebase Authentication.

Python script to read the QR code: The python script will use the system camera and scan the data from the QR code.

Data transfer into Firebase Realtime Database: The data that is entered by the user will be available in the Realtime Database on Firebase. The ReactJS code has been linked with Firebase.

GAE Deployments: The GAE deployments of both frontend and backend has been done.

API created: Basic Restful APIs structure required by the application have been created using flask.

The frontend and backend are working together

A brief description of the code you are submitting

The submission contains 2 folders. The frontend folder contains ReactJS files and the backend folder contains python script. The codes include the Sign up Page, Sign in Page, the python script that will read data from the QR code, the ReactJS code for transferring data to Realtime Database on Firebase, Restful APIs and .yaml files for GAE deployments.