

**California State University San Bernardino
School of Computer Science and Engineering**

CSE 482 Senior Project Presentation

Date

March 10, 2020

Time

02:00PM - 02:30PM

Location

JB 359

Title

Re:Meds

Student

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Advisor

Professor Yan Zhang

Abstract

One of the biggest problems doctors and pharmacists face is not being able to have definite access to a patient's over the counter [OTC] and prescription drug use. This has the possibility of administering a prescription drug that may interact with another drug a different doctor, dentist, or pharmacist may have prescribed or an OTC drug that has been purchased. A solution to this problem is to give the patient an easy way to save the drugs they are currently taking into a platform that is readily available. The obvious platform of choice is a mobile application available on both IOS and Android.

A mobile application will allow the user to either scan a barcode on the OTC drugs they may be taking to register a drug into the device. The scan will query an API hosted by the FDA and the drug purpose, dangers, and warnings of the drug will be stored and made readily available on the app with a SQLite database hosted locally on the phone. Due to the fact that prescription drugs do not have a UPC code, the name brand of the drug may be entered in a search bar to store the same information. Once a list of drugs has been collected, the user will then be able to hit a button to check how all of the drugs will interact with one another. This speedy process will give the user a list of drug interactions where they may be able to bring up to a doctor that the new drug prescribed to them may be an issue.