

MedSchedule



Reliable reminders for your medicine



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CSC431 Group 1

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Table of Contents

I. Application Concept

- A. Background information
- B. Concept proposal

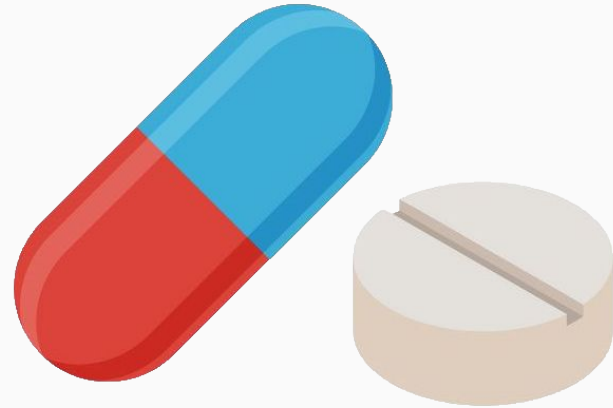
II. Functional Requirements

III. Non-functional Requirements

IV. System Constraints

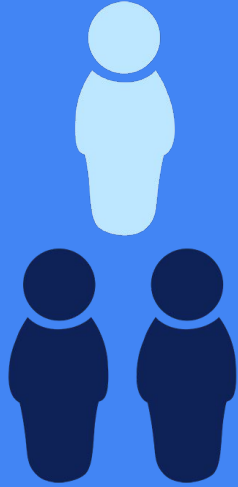
V. System Design

- A. Use Case Diagram
- B. UML Class Diagram



Background

People over age 65

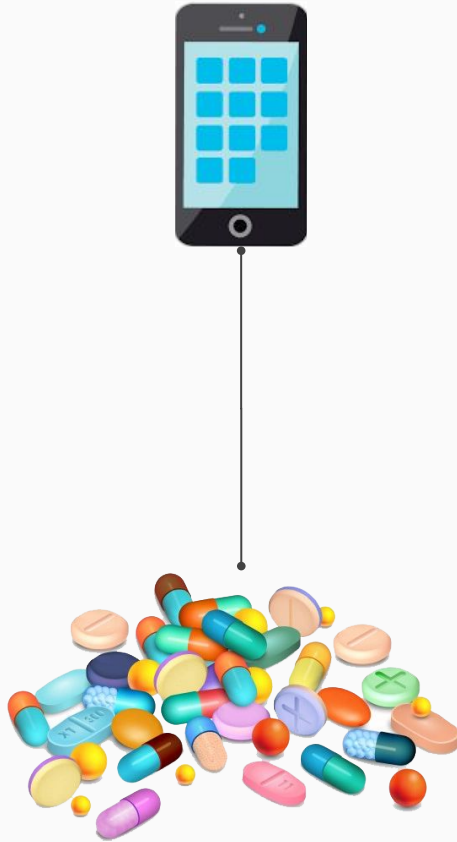


1 out of **3** people take
at least **5** different prescription
medications



And **1** out of **4** people take
at least **10** different prescription medications

Source: Canadian Institute of Health Information (CHI)



MedSchedule & Proposal

The purpose of this project is to create a mobile app for tracking medication doses, dose schedules, reminders, and refills.

The primary goal of this application is to simplify the process of organizing these health tasks by automation.

Functional Requirements

Register Medication

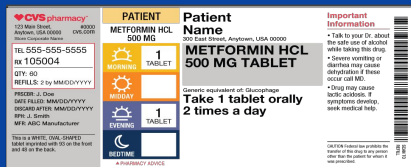
1. Medication Positioned



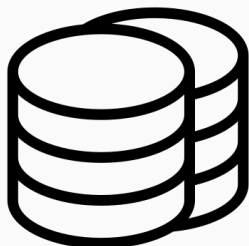
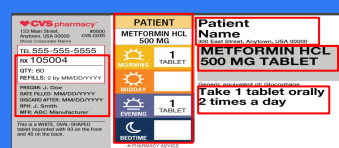
2. Camera Reads Input



3. Segmentation of Label



4. Segmentation of Information



CVS pharmacy
123 Main Street, Anytown, USA 00000
Store Corporate Name

TEL 555-555-5555
RX 105004
QTY: 60
REFILLS: 2 by MM/DD/YYYY

PRSCBR: J. Doe
DATE FILLED: MM/DD/YYYY
DISCARD AFTER: MM/DD/YYYY
RPH: J. Smith
MFR: ABC Manufacturer

This is a WHITE, OVAL-SHAPED tablet imprinted with 93 on the front and 48 on the back.

PATIENT
METFORMIN HCL 500 MG

MORNING 1 TABLET

MIDDAY

EVENING 1 TABLET

BEDTIME

Patient Name
300 East Street, Anytown, USA 00000

METFORMIN HCL 500 MG TABLET

Generic equivalent of: Glucophage

Take 1 tablet orally 2 times a day

▲ PHARMACY ADVICE

Sign up and logging in

Start by creating an account.

Track your Medications starting today!

Create an account

Sign In

✕

Forgot password?

Enter your email below and we will send you a reset email.

Email
michael@gmail.com

Submit

Q W E R T Y U I O P
A S D F G H J K L
⬆ Z X C V B N M ⬆
123 space Go
😊 🎤

✕

Create a new password

Choose a strong password.

Password
●●●●●●●●

Repeat Password
●●●●●●●●

Sign in

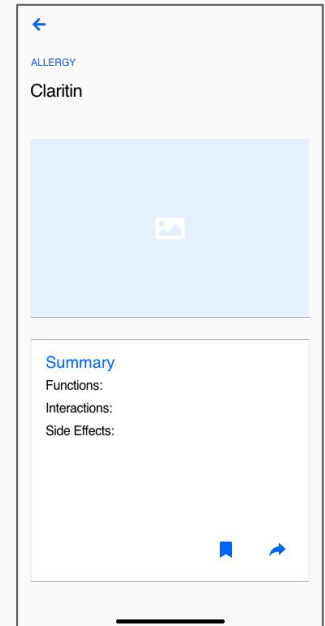
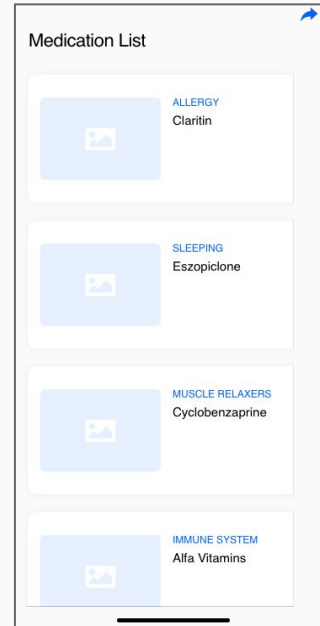
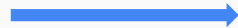
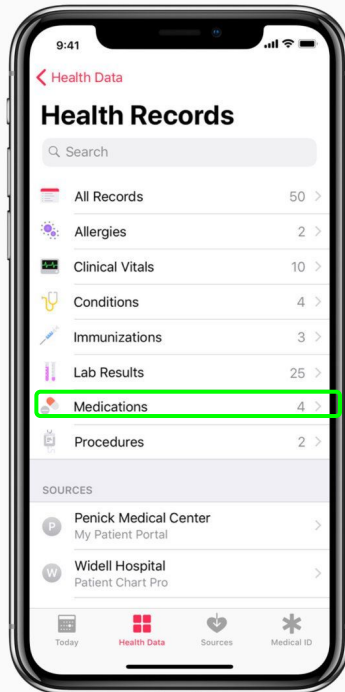
Q W E R T Y U I O P
A S D F G H J K L
⬆ Z X C V B N M ⬆
123 space Go
😊 🎤

View medication information

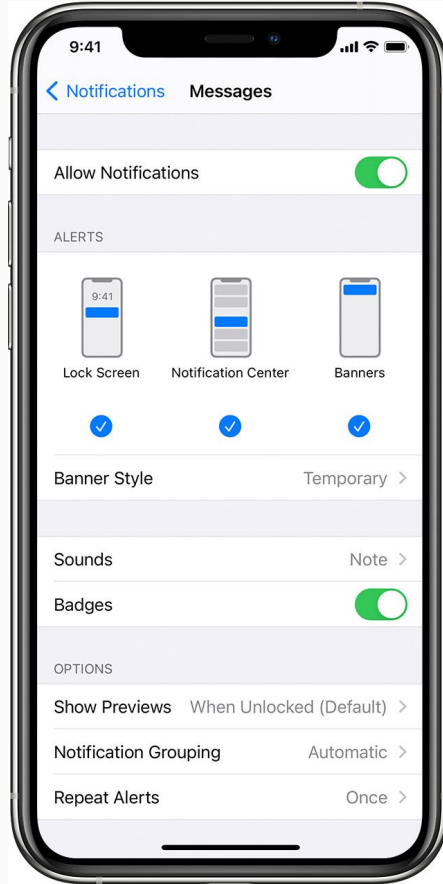
Logged in



View Information



Set alerts



Settings



Set alerts

Non-Functional Requirements

Non-functional Requirements

Secure Patient Information

Fast Image Segmentation

Alert Patients Without Delays

Enable Cross-platform Usage

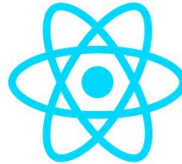
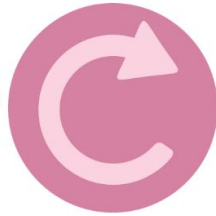
System Constraints

Developer Expertise



**Effort in
iOS development**

Constant Updates



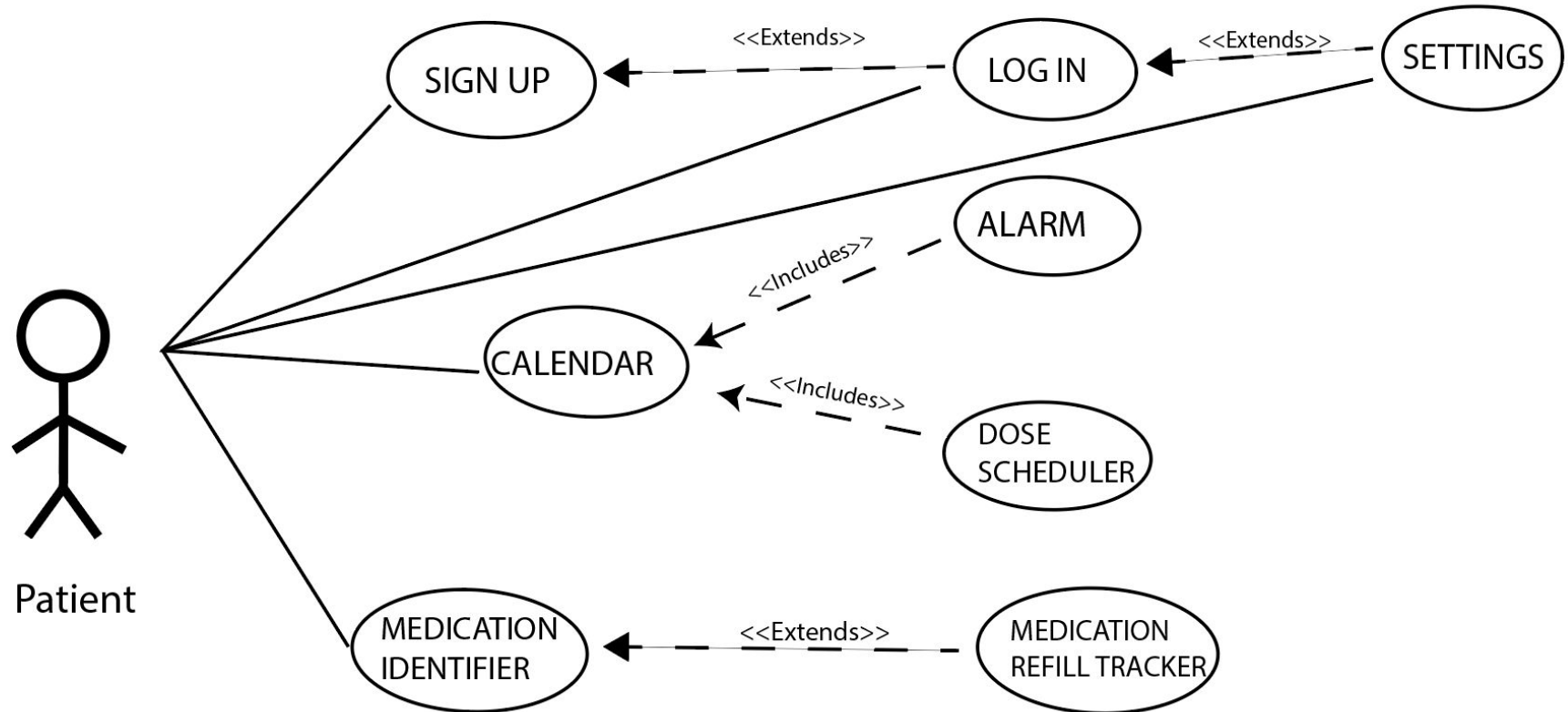
Size of app

Loosely typed language



Reliance on third parties

Use Case Diagram



UML Class Diagram

