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# DoctorRec

## Description

Project is for Doctors to store their Patients Information such as medical reports and patient’s information at single place instead of piles of files and their reports.

## Intended User

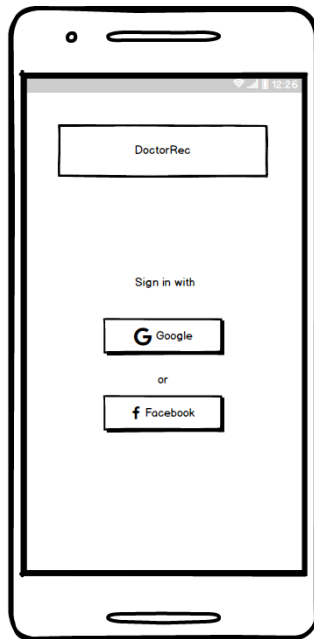
Doctors.

## Features

- Store Patients Information's
- Store Patients Documents as well as Medical Records
- Categorized patient's records.

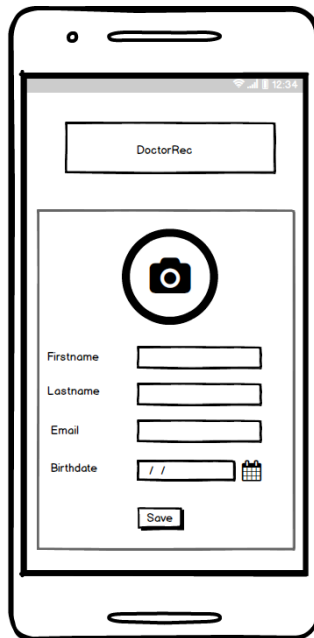
## User Interface Mocks

### Screen 1



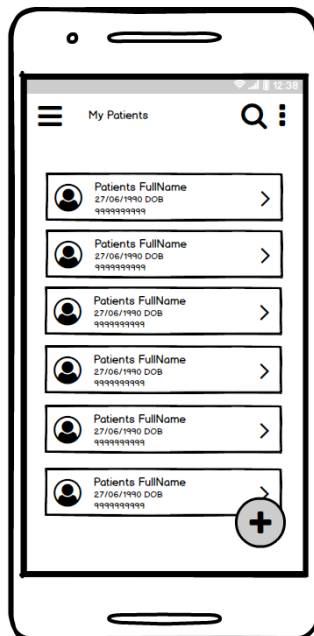
Doctor can login through google and Facebook account.

## Screen 2



Doctor can create their profile by selecting their avatar or picture and other important information.

## Screen 3



Doctor Patients List. Doctor can easily search and add their patients.

## Screen 4

The screen is titled "Add Patient" and features a hamburger menu icon on the top left. Below the title is a large placeholder for a profile picture, represented by a camera icon inside a circle. The form contains several input fields: "Name", "Address", "Email", and "Birthdate" (with a date picker icon). A yellow callout box points to the "Address" field, containing the text: "Other Patients Imp information like pan card number, emergency number e.t.c". At the bottom, there is a section titled "Blood Report" with two document icons and a plus sign icon for adding more reports.

Doctor can add their patient's personal information such as name, address emergency number, date of birth and even group the patient's medical reports.

## Screen 5

The screen is titled "Edit Profile" and features a hamburger menu icon on the top left. Below the title is a large placeholder for a profile picture, represented by a camera icon inside a circle. The form contains several input fields: "Firstname", "Lastname", "Email", and "Birthdate" (with a date picker icon). At the bottom, there is a "Save" button.

Doctor can edit their profile by clicking on hamburger icon. And select profile.

## Key Considerations

### How will your app handle data persistence?

Application handle data using firebase live database using android firebase sdk.

### Describe any corner cases in the UX.

Doctor can add patient's documents category wise. if user click on plus fab button new category section appear and user can give appropriate name and user can add document within section.

### Describe any libraries you'll be using and share your reasoning for including them.

Glide to handle the loading and caching of images.

RX-Android for reactive way and make Android applications easy and hassle-free.

Retrofit for REST-api communication.

Admob to display adds on free version of application.

Firebase Authentication for authenticate google and facebook signin.

## Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

### Task 1: Project Setup

Create new empty projects for doctor's app

Setup gradle with different flavor of app like free and paid. And configure above library

Targeting latest sdk

- Create and prepare architecture of application (mvp).
- Create and prepare list of api for DoctorRec.

### Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for Login screen
- Build UI for Doctor create profile screen
- Build UI for patients list screen
- Build UI for add patients Screen

- Build UI for Edit Doctor Profile
- Build UI for Widget.

### **Task 3: Create Build Variants**

- Create Debug folder and implementation
- Create Release folder and implementation / Keystore

### **Task 4: Implement Login screen**

- Create Login screen activity
- Implement firebase authentication api.

### **Task 5: Implement Doctor create profile screen**

- Create Doctor profile screen
- Communication with firebase Realtime database to store doctor profile
- And handle all error cases

### **Task 6: Implement Doctor Patients List Screen**

- Create Doctors Patients List Screen.
- Store and display list of patient's local database.

### **Task 7: Implement Add Patients Screen**

- Create Add Doctors Patients Screen

### **Task 8: Implement Edit Doctor Profile**

- Create Edit Doctor Profile screen and sync with firebase Realdatabase.

### **Task 9: Implement Widget**

- Create Widget Provider

- Create Widget Remote view service.
- Empty view

### Task 10: Implement Admob (Google Service)

- Create Admob

### Task 11: Implement Firebase Authentication (Google Service)

- Create Firebase Authentication of google login as well as Facebook.

Add as many tasks as you need to complete your app.

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