How to Use this Template

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GitHub Username: lokeshsaini94

CureInstant Patient's app

Description

A social health networking platform where Patients, Doctors, other Health Professionals can come together.
This app will help patients seek help regarding their queries from health professionals on the platform and can also book appointments from the app itself. With the help of this app, people will be able to seek help regarding their queries from wherever they wish and they won't have to go to the clinic for it. This will help faster diagnoses and everyone will be able to get help without paying anything.

Intended User

Any person who has any query regarding his/her or someone else's health or want to book an appointment with a doctor.

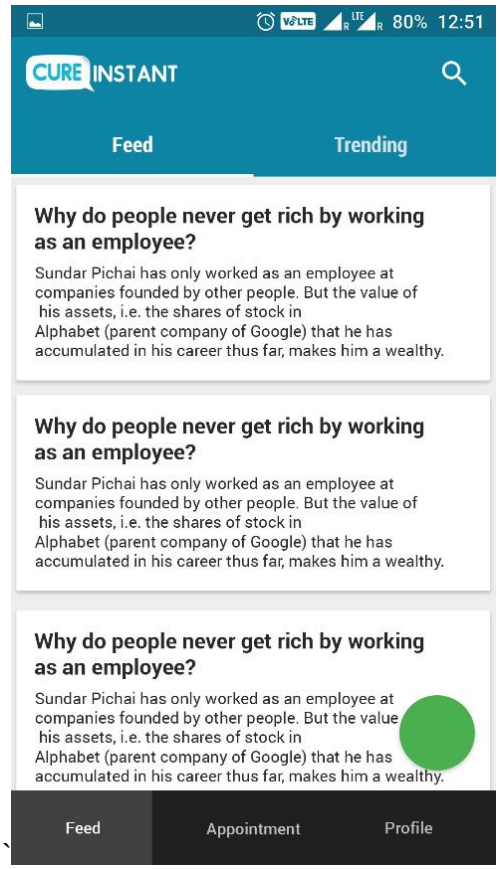
Features

- Ask queries regarding health
- Post images with the query
- Browse through queries already asked by others
- Comment on queries
- Book appointments with a doctor directly from the app
- Chat with others in Realtime for quick and general health related query
- View profile

User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

Screen 1



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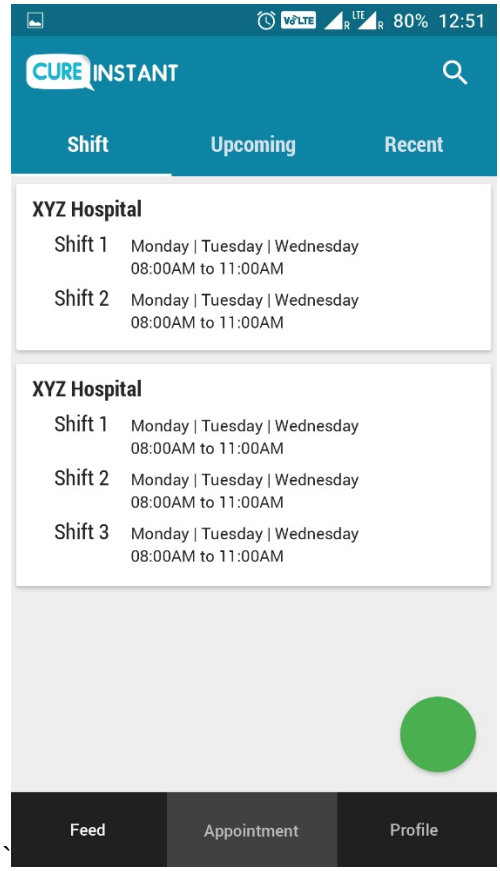
This Screen will show Queries asked by other patients. The user can open the query to read the answer and comments. This will use a recycler view to show the list and the user can scroll through it to find the query he/she is looking for.
User can also click on a feed item to see all details, pictures, videos, links, comments, answers.

Screen 2

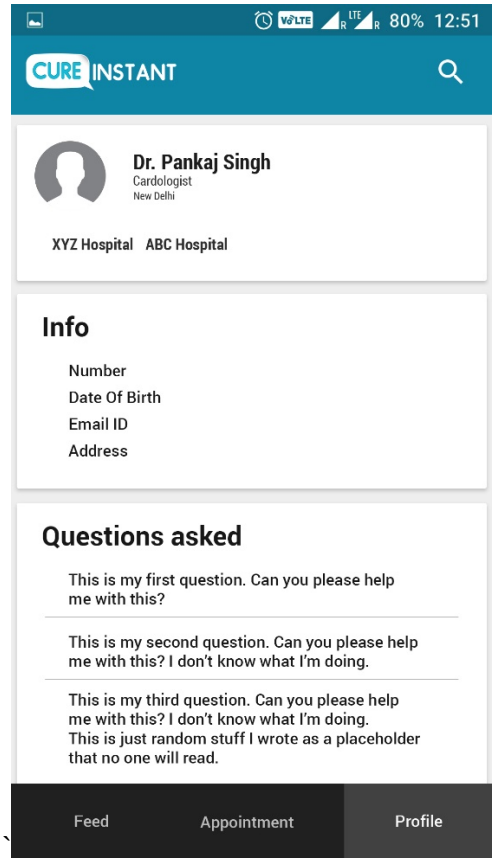
This Screen will be used by the user to ask a new Query. The user can also add a description if he/she feels the need to explain the query in detail. The user can also add pictures.

Screen 3



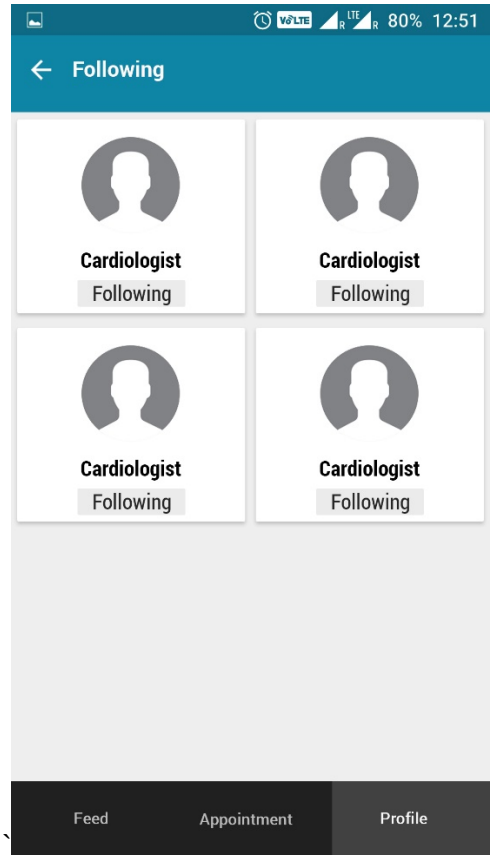
This Screen will show available appointments for a doctor. The user can select a suitable time and book the appointment.

Screen 4



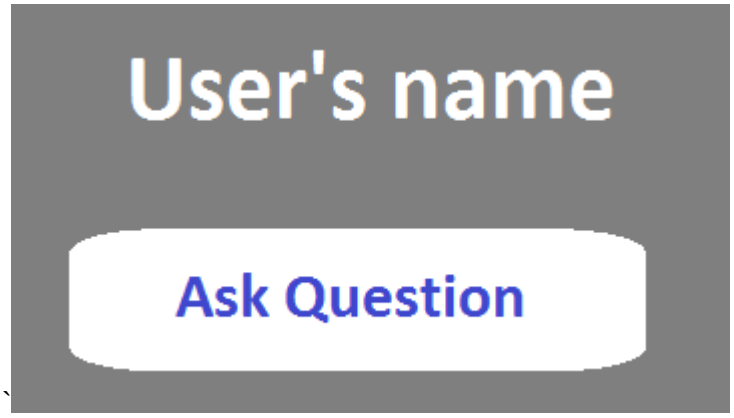
This Screen will show the User's profile picture, basic information and the questions asked by the user.

Screen 5



This Screen will show the list of Doctors the User is following. The user can also unfollow them by clicking on “Following” button.

Screen 6



This is the widget the user can use to quickly ask a new Query.

Screen 7

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This is Chat screen where user can quickly ask his/her general query from others.

Add as many screens as you need to portray your app's UI flow.

Key Considerations

How will your app handle data persistence?

Chat data will be stored on Firebase Database.

Describe any edge or corner cases in the UX.

If the user is browsing through the Health feed and wants to go back to the top then he'll have to keep scrolling back up until he/she reaches the top. So, I'll implement functionality to scroll to top by tapping on the tab.

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

Okhttp for making HTTP calls and Glide to handle the loading and caching of images.

Describe how you will implement Google Play Services or other external services.

Firebase Invites, Realtime database, Analytics, Crash Reporting

Next Steps: Required Tasks

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

Task 1: Project Setup

Setup the core layout of the app using Fragments and tab layout. I will implement the structure of the app with dummy data and make a working prototype so that I have a clear user flow and how the user will interact with the app.
After that, I will do some usability test with some potential users and make changes based on the feedback.

Task 2: Add Splash screen, Welcome screen, Register and login screens

- Add Splash screen with the CureInstant logo
- Add Welcome(onboarding) screen to tell the user about the app and the features it provides.
- Add Register and Login screens for user authentication.

Task 3: Integrate rest API's and make everything functional

- Use AsyncTask to make API calls and fetch data in background thread when needed
- Use API to fetch the Heath feed
- Use API to post a new query
- Use API to book an appointment
- Use API to fetch user profile, following, followers, questions, etc.
- Use of Broadcast receivers to check connectivity change

- Add Widget to quickly as a new query

Task 4: Integrate Firebase services

- Add Firebase Invites
- Add Firebase Analytics
- Add Firebase Crash Reporting
- Firebase Realtime database to store all chat.

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

Submission Instructions

- After you've completed all the sections, download this document as a PDF [File → Download as PDF]
    - Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
- Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"