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APPointment

Description

Client/Provider appointment solution that allows to schedule appointments but also register as a service provider. Publish full description and reviews about existing service providers in your place. Receive status update about appointments directly from your provider and share your feedbacks about the service.

Intended User

- General

Features

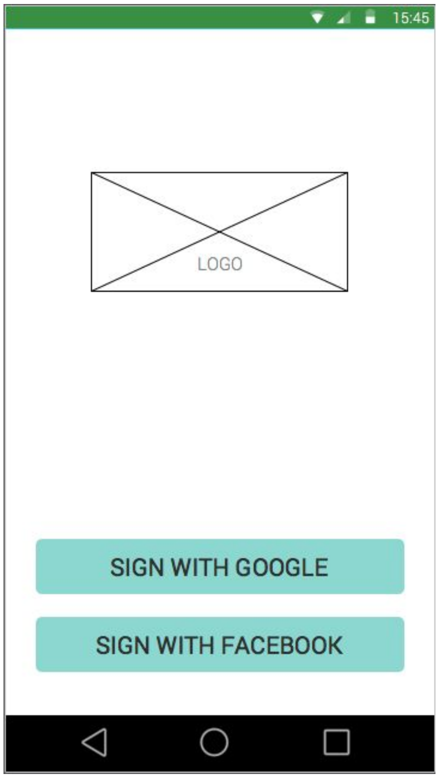
Here is a list of some of the available features:
As a service provider user:

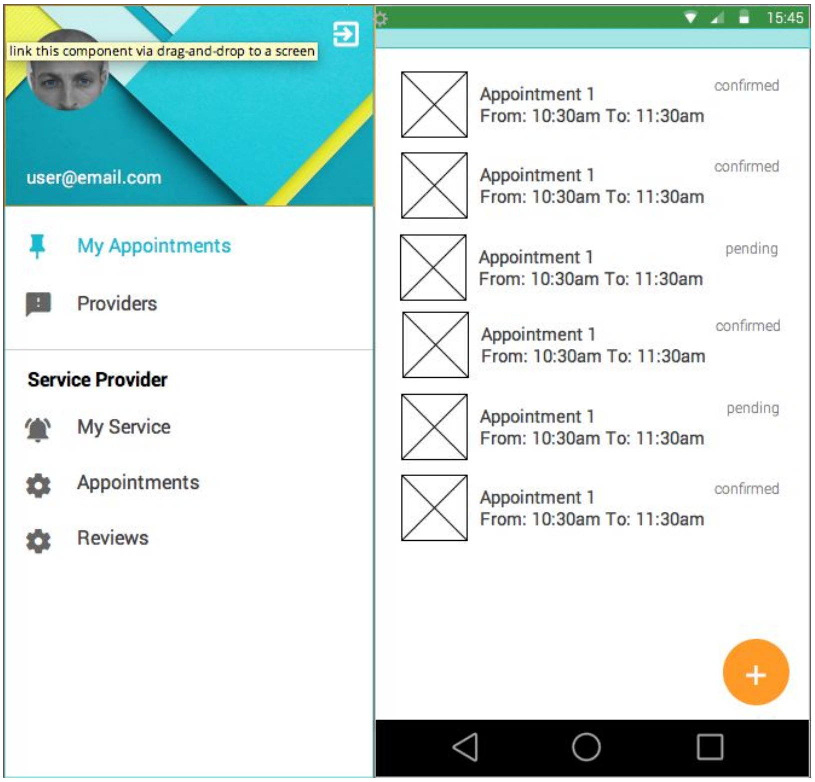
- **Registration as a Service Provider.**
- **Check your list of appointments.**
- **Approve requested appointments.**
- **Widget available with the ratings of the service.**

As a consumer user:

- **Add/Remove service providers to your account.**
- **Request for appointments.**
- **Provide reviews after an appointment.**
- **Export your appointments to your personal agenda.**

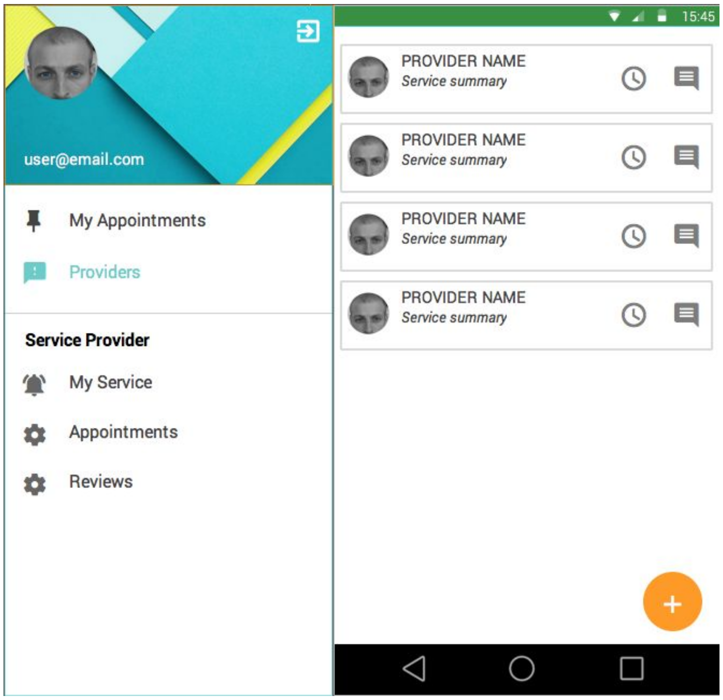
User Interface Mocks

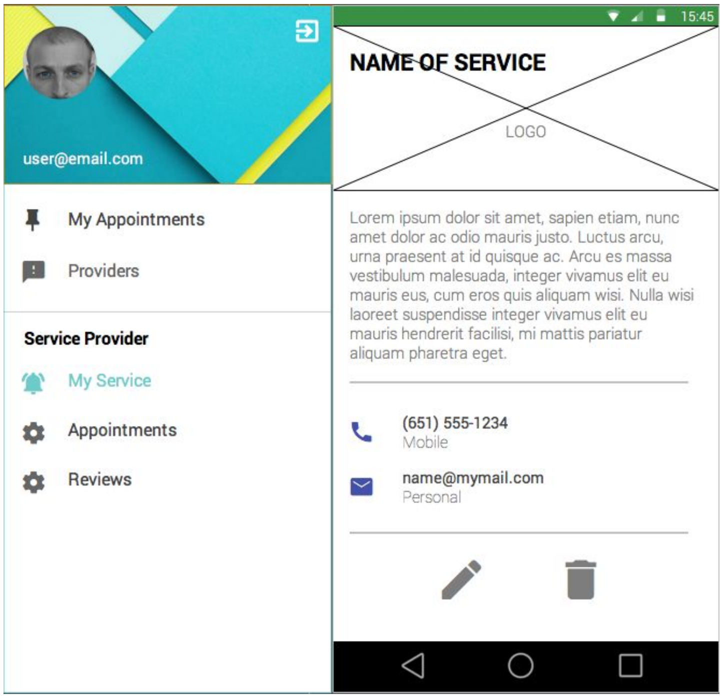




Login Screen

Client Appointments





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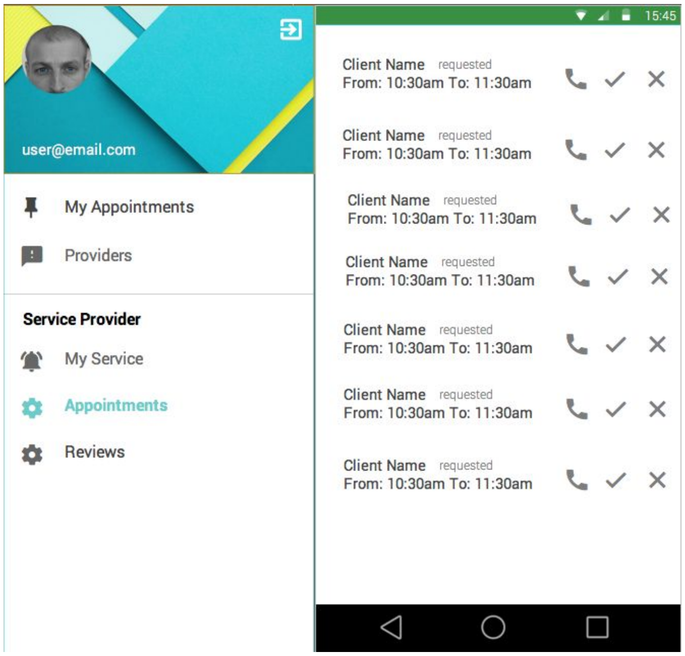
(651) 555-1234
Mobile

name@mymail.com
Personal

Client Providers

Provider Service



Client Name requested
From: 10:30am To: 11:30am

Client Name requested
From: 10:30am To: 11:30am

Client Name requested
From: 10:30am To: 11:30am

Client Name requested
From: 10:30am To: 11:30am

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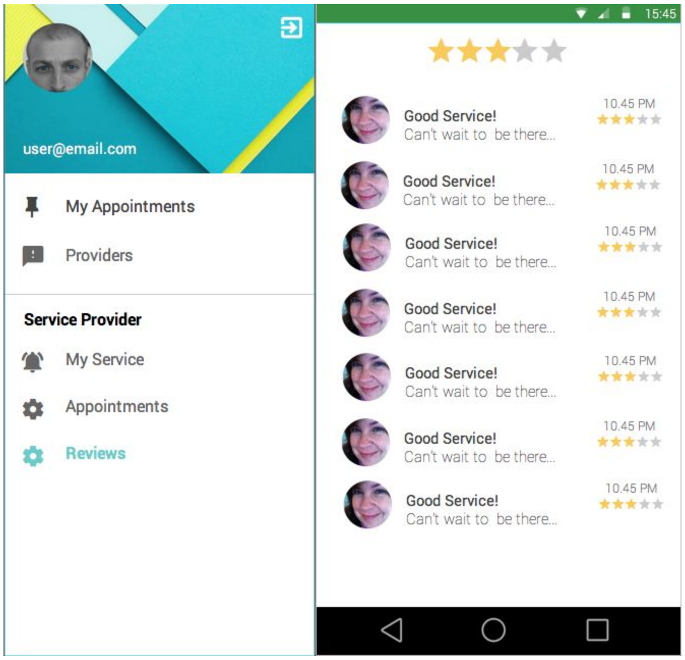

Good Service! 10.45 PM
Can't wait to be there...

Good Service! 10.45 PM
Can't wait to be there...

Good Service! 10.45 PM
Can't wait to be there...

Good Service! 10.45 PM
Can't wait to be there...

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Good Service! 10.45 PM
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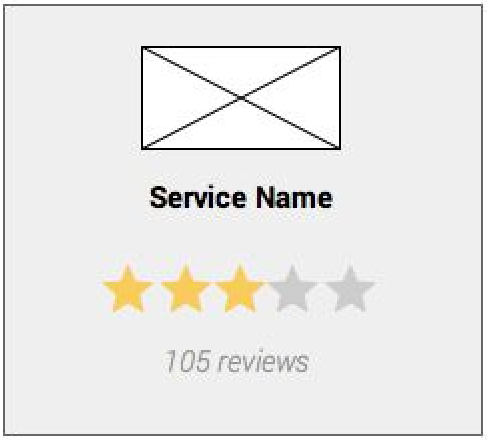
Provider Appointments

Provider Reviews



Reviews Widget

Key Considerations

How will your app handle data persistence?

The application will use Firebase Real Time Database as a core data store mechanism. Also will use the calendar content provider to import user appointments.

Describe any corner cases in the UX.

The app will use the Drawer navigation pattern. The user can slide from left to right to access all the features.

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

Android Data Binding : Bind user interface components. Eliminate a lot of boilerplate code binding ui elements.

Picasso : Handle images managment. Include all the mechanism to cache in memory and disk remote resources. Library with simple and fluid api.

AppCompat: Since the app will support version of Android that doesn't support natively the Material Design Specifications.

RecyclerView: Standalone library as an alternative to the ListView component, that brings more flexibility and performance to the application.

Describe how you will implement Google Play Services.

Firebase is now part of the Google Play Services. The app will use those component for send notifications, collect analytics, crash report, etc.

Next Steps: Required Tasks

Task 1: Project Setup

Create a new Android Application Project and create a Repository on Github.

- Add a new project to Android Studio and create a new app with a mobile module.
- Create a new local and remote repository using SourceTree.

Task 2: Manage Dependencies.

Add to the mobile module all the dependencies needs. Firebase, Google Play Services. Support Libraries, etc.

Task 3: Create Firebase project.

- Create the Real time database schema.
- Create the database permission.
- Setup the push notification module.

Task 4: Import all of the assets and ArtWork.

- Import all the icons of the app.

Task 5: Create theme of the app.

- Create theme of the app using the appcompat theme, to have a similar look and feel in the previous 21 sdk version.

Task 6: Create all Activities and Fragments

- Create all the layouts for all of the UI.
- Create all the presenters class to manage the business logic.
- Create the Activities and the fragments to hold all of the UI components.

Task 7: Implement data repository in the app.

- Connect the client app to the Firebase database.
- Create all of the Entities.
- Create all the functions that will be used in the presenters.

Task 8: Create data adapters.

- Create all of the data adapters and his holders to be used in the recyclerview.
- Create all the interfaces need it to represent listeners/callbacks from each list items.

Task 9: Create helper class for Calendar provider.

- Implements methods that allows to insert events in the user calendar.

Task 10: Create service ratings widget.

- Implement reviews widget to inform to service providers about the ratings of his service.

Task 11: Create unit test for presenters.

- Implement unit tests for business layer, to validate the well functioning of the layer.

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

Submission Instructions

1. After you’ve completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it “**Capstone Project**”
3. Add this document to your repo. Make sure it’s named “**Capstone_Stage1.pdf**”