

How to Use this Template

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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”**

[Description](#)

[Intended User](#)

[Features](#)

[User Interface Mocks](#)

[Screen 1](#)

[Screen 2](#)

[Key Considerations](#)

[How will your app handle data persistence?](#)

[Describe any corner cases in the UX.](#)

[Describe any libraries you’ll be using and share your reasoning for including them.](#)

[Describe how you will implement Google Play Services.](#)

[Next Steps: Required Tasks](#)

[Task 1: Project Setup](#)

[Task 2: Implement UI for Each Activity and Fragment](#)

[Task 3: Your Next Task](#)

[Task 4: Your Next Task](#)

[Task 5: Your Next Task](#)

GitHub Username: Padzmj

Bookbar

Description

Write a brief summary of what your app does. What problem does your app solve?

Bookbar allows users to book appointments at the barbershop and gives them back the time they usually spend waiting in the cue.

Not sure how to write a good description? Search 5-star apps on the Play Store for inspiration.

Intended User

Barbershop customers along with barbers themselves. There is every chance that this app could also be of service to hairdresser salons too.

Features

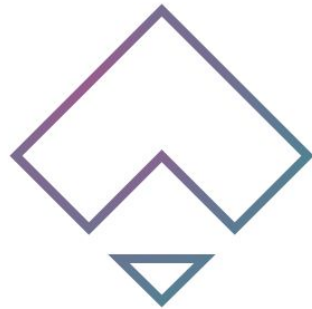
Users

- View the local barbers
- Select the styles they desire prior to appointments so they can just walk in and the barber knows exactly what they want
- Book appointments within 24 hours at a local barbershop

User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using Sketch.

Log in



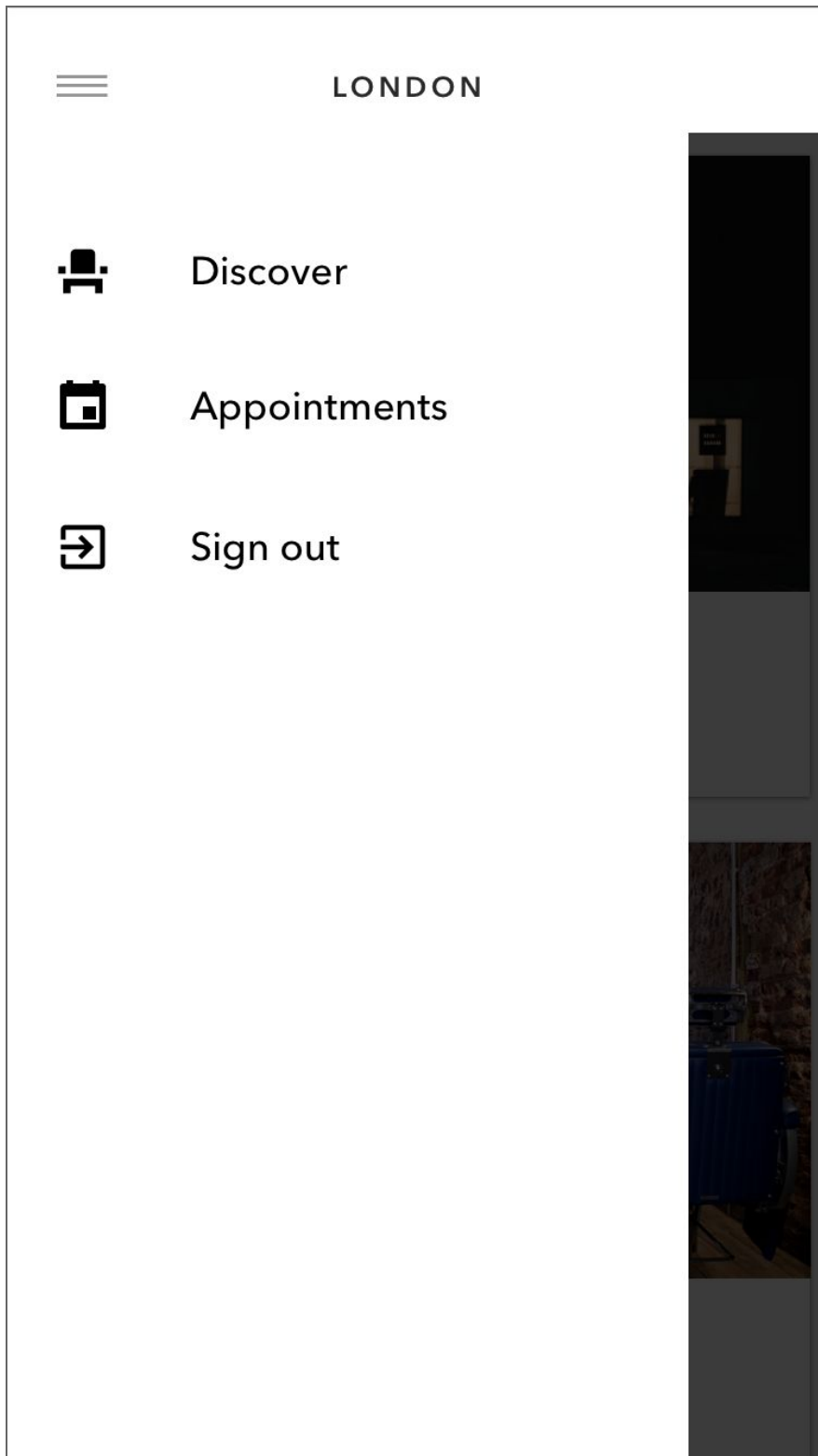
Bookbar

Username

Password

LOG IN

Navigation Bar



Discover



LONDON



One State


Afro • Caucasian • Plating



Ruffians


Afro • Caucasian

Appointment List 1



Available Appointments


Jose Brian



★★★★★

| | | | |
|-------|---|-----------|--------------------------|
| 11:00 | ● | Booked | |
| 12:30 | ● | Booked | |
| 14:00 | ● | Available | Book Now |
| 15:30 | ● | Booked | |
| 16:30 | ● | Available | Book Now |
| 17:30 | ● | Available | Book Now |

Ruffians



Appointment List 2

<

Available Appointments

11:00

Booked

12:30

Booked

14:00

Available

[Book Now](#)

15:30

Booked

16:30

Available

[Book Now](#)

17:30

Available

[Book Now](#)

Ruffians


>


27 Maiden Lane, Covent Garden,
London, WC2E 7JS, UK

01245654321

ruffians.co.uk

Barbershop Topics

 Choose Topic



Jose Bri

14:00


★★★★★

Popular >


Afro >

Caucassian >

Style Selection




Choose Style



Jose Bri

14:00


Afro




High Skin Fade

With several different grade options

£30







Low Skin Fade

With several different grade options

£30 - Popular







Mowhak Fade

With several different grade options

£20








Seweto Fade

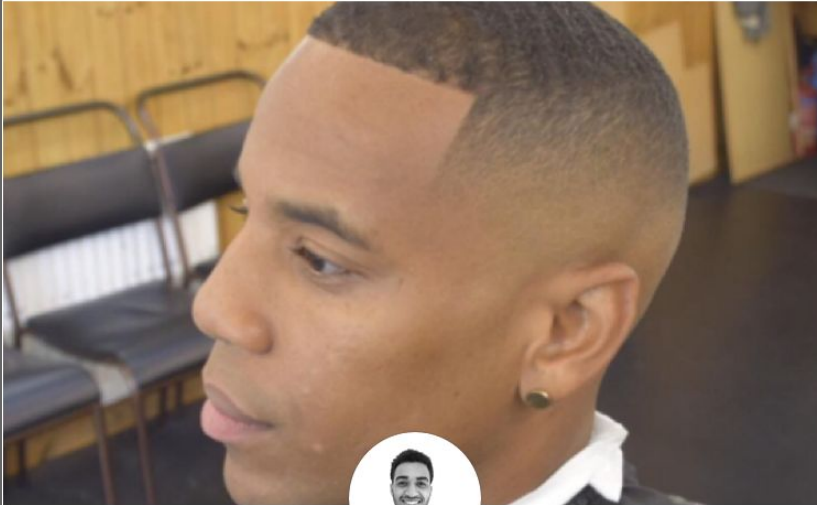
With several different grade options


£10



Booking Confirmation

Confirmation





Jose Bri



Low Skin Fade

£30 • 14:00

[Confirm Booking](#)

Booking Confirmation (Also Via Appointments List)

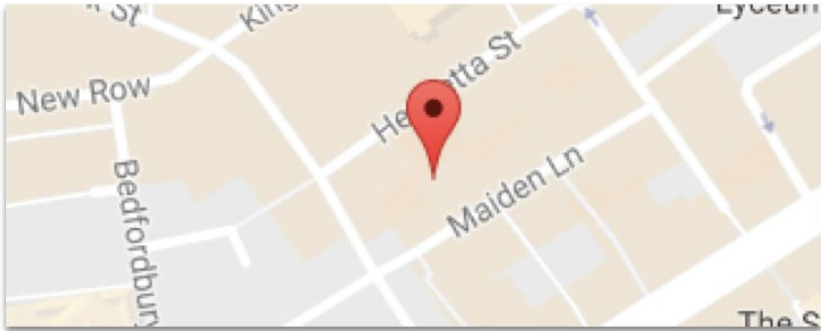
Booking Confirmation



Jose Bri



Low Skin Fade

£30 • 14:00

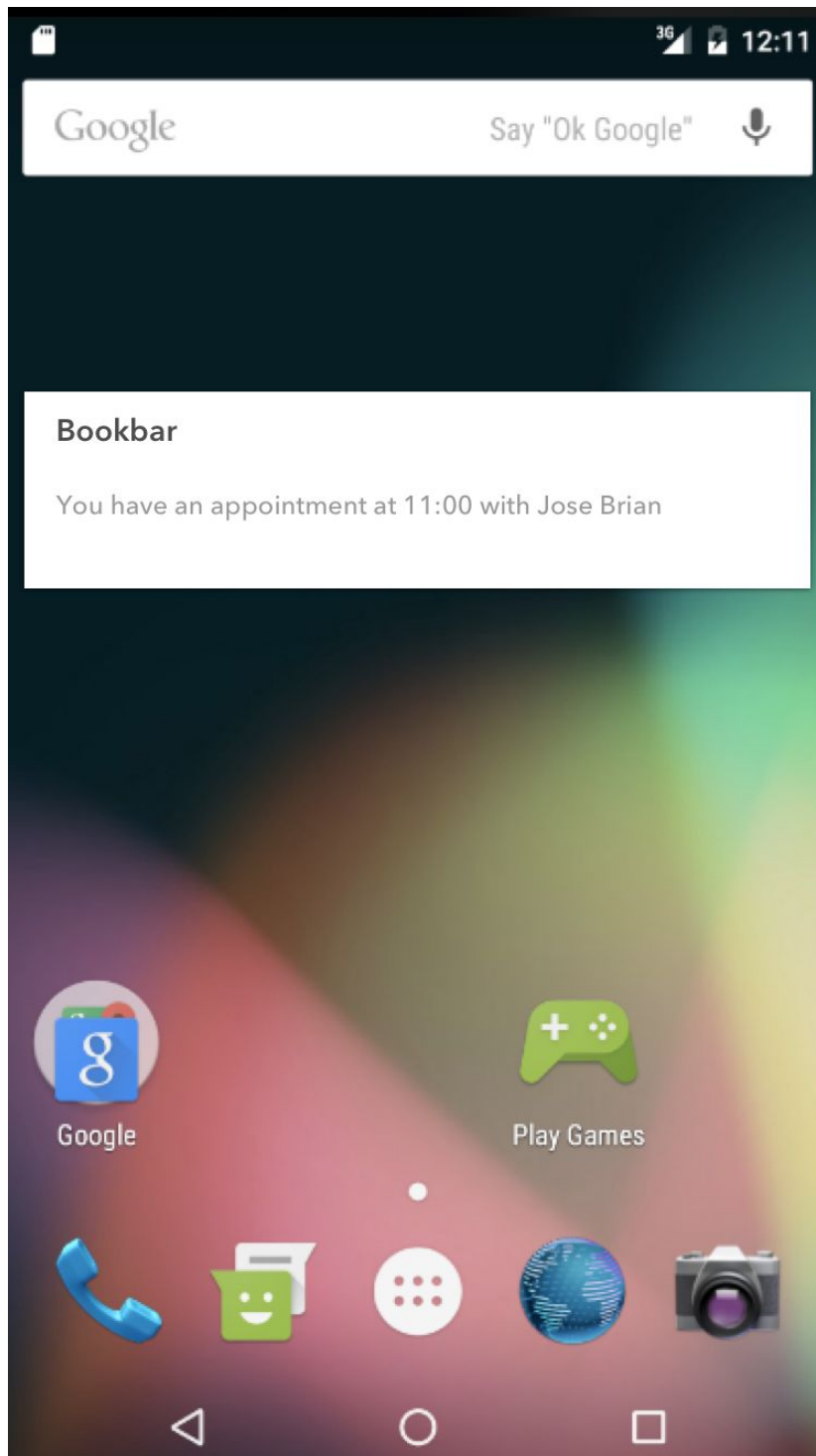


[Cancel Booking](#)

Booked Appointments (Via Nav Drawer)

|  Appointments | | |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 11:00 | Low Skin Fade Category two beard £30 • 1 hr 20 mins |  Peter |

Widget



Key Considerations

How will your app handle data persistence?

Describe how your app will handle data. (For example, will you build a Content Provider or connect to an existing one?)

Firebase Auth, Real-time Database and Storage will be used for the backend providing a unified and simple way of handling data persistence.

Content Provider and Loader to be used to retrieve data from the database and presented to the views.

Describe any corner cases in the UX.

For example, how does the user return to a Now Playing screen in a media player if they hit the back button?

Given the user has an appointment booked, they can view that appointment by navigating to the booking confirmation screen. If the back button is pressed the user should return to the discover screen.

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

For example, Picasso or Glide to handle the loading and caching of images.

Images - Fresco

Data - Firebase

UI - Design Support Library, CardView and Butterknife.

Local Data storage - Realm.

Describe how you will implement Google Play Services.

Describe which Google Play Services you will use and how.

Firebase will be used for the backend.

Google maps will be used to enable users to locate their barbershops.

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

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

You may want to list the subtasks. For example:

- Configure Libraries
- Include appropriate permissions i.e Internet and location
- Decide on the Firebase Schema
- Load the firebase dummy data on the barbershop side

If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for Login Activity
- Build UI for MainActivity (inc Nav Bar and Icons)
- Build UI for Discovery Fragment *
- Build UI for Available Appointments (inc Barbershop info) Fragment
- Build UI for Topics Fragment
- Build UI for Styles Fragment
- Build UI for Confirm Fragment
- Build UI for Confirmation Fragment
- Build UI for Appointment List Fragment *

*Navigated via the Nav Bar

Task 3: Your Next Task

Describe the next task. For example, “Implement Google Play Services,” or “Handle Error Cases,” or “Create Build Variant.”

Describe the next task. List the subtasks. For example:

- [Implement Google Play Services - Maps](#)
- [Handle Error Cases](#)

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

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