

How to Use this Template

1. Create a new document, and copy and paste the text from this template into your new document [Select All → Copy → Paste into new document]
 2. Name your document file: “**Capstone_Stage1**”
 3. Replace the text in green
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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: anderson2090

Insta Coffee

Description

You run a business of making and delivering fresh coffee to nearby homes, schools and offices. Our app will make available a whole new set of opportunities for your business.

Have you ever find it hard to anticipate the demand or sometimes too much coffee is made, leading to wastage?

These efficiencies can be resolved with the use of our mobile app.

“Insta Coffee” will provide you a reliable way to advertise and expand your coffee delivery business.

Intended User

Anyone who wants to make his or her coffee business more successful.

Features

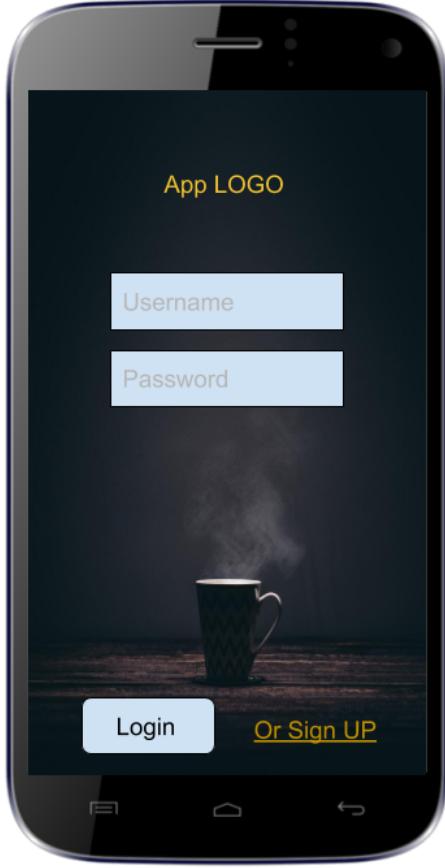
Main features of our app.

- Order coffee online
- Order history
- Make custom coffee
- Notifications

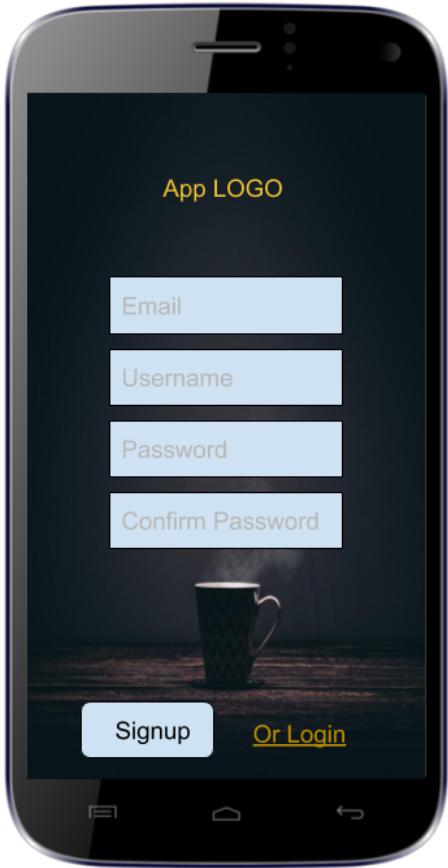
User Interface Mocks

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.

Login Screen



If the user is not logged in he/she will be greeted by this Screen1, here user will have a choice to Login or Sign Up. If user clicks the “Or Sign UP” TextView, Screen 1 will transform into the following screen.



Here user can add his credentials and sign up as a new user. A confirmation email will be sent to him if signup is successful.

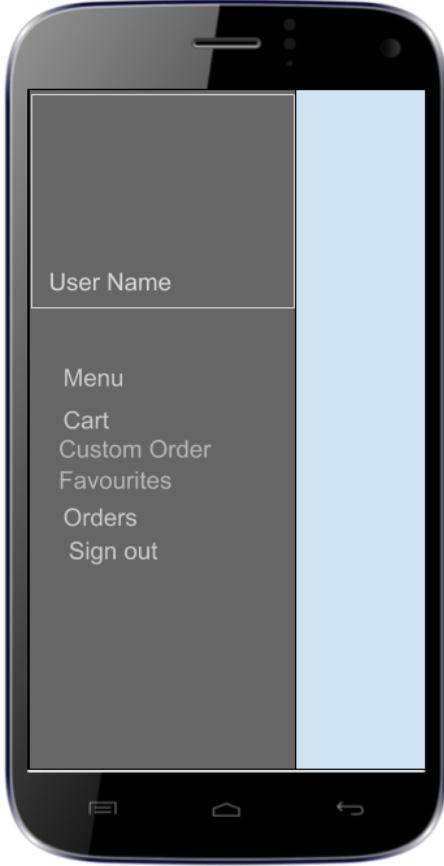


If signup is successful or user is already logged in, he will be greeted by this Welcome Screen.

Here he can navigate and order Menu Items.

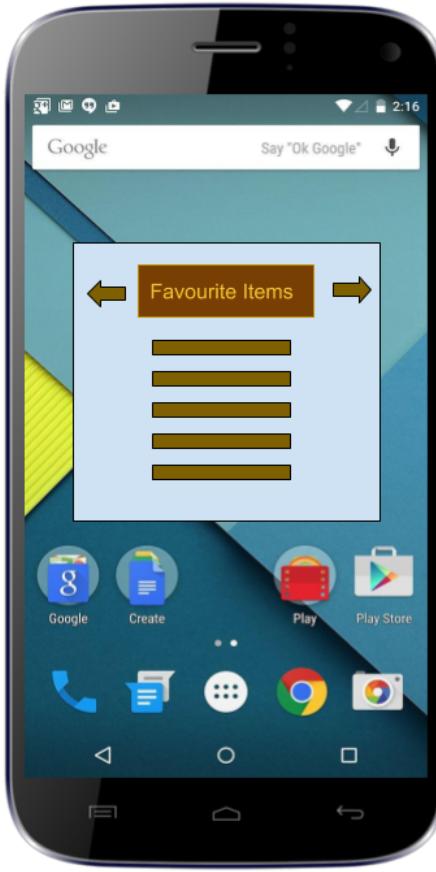
Orders Will be managed by using a companion app and user will be notified about the status of his order.

Navigation Drawer



User can use this Navigation Drawer in order signout, see his favourite items, etc.

App's widget.



User will get a list of his/her favourite menu items in the app's widget.

Key Considerations

How will your app handle data persistence?

App will use Firebase authentication, Firebase Realtime database, Sqlite Database and Content Providers.

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

1. Firebase SDK for authentication because it will save us a lot of time.
2. Firebase Realtime Database because it will save us a lot of time and some money.
3. Picasso to download images.
4. Android Saripaar Library for form validation.

5. OkHttp to connect internet.

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

I will use Firebase console and Android Studio Firebase assistant in order to integrate Firebase with the app.

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

1. Create a new Project
2. Create and Empty Activity and Layout
3. Integrate Firebase and add Libraries in Gradle file.
4. Enable Version Control

Task 2: Implement UI for Each Activity and Fragment

1. Design Layouts and activities according to given mockups
2. User Factory Patterns to make Menu Item Objects
3. Use Builder pattern to create Custom Order.
4. Design Databases in Firebase Console.
5. Create a POJOS to mimic databases.
6. Write Code to properly Integrate Firebase authentication SDK with the app.

Task 3: Different Screen Sizes

1. Make sure UI looks good on different Screen sizes.

Task 4: Companion App

1. Create a companion app to manage orders.
2. Repeat Task 1, 2 and 3 for the companion app.

Task 5: IntentService

1. If user wants to get information about latest coffee conferences, app can do so using an IntentService.

Task 6: Google Services

1. App use Firebase authentication and realtime database.
2. App uses Google Analytics for Firebase so the shop owner can capture and analyze data about users in order expand his/her business.

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**"