How to Use this Template

1. Make a copy [File → Make a copy...]
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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**"

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GitHub Username: hirensamtani

Pizza Feedback

Description

Consider there is this one pizza place that goes by the name of ‘XYZ Pizzas’.
The main purpose of this app is to get customer feedback on the quality of the services received. These services include end-to-end customer experience starting from him/her placing the order, the waiting time, the quality of pizza etc. But instead of submitting the same as a paper feedback, we will be taking an environment friendly approach of taking the same through an application and later sending the feedback for the same using an email.

Intended User

The intended user is the Customer who comes in to ‘XYZ Pizzas’ for a dine in. The other intended user is the Branch Manager who shall receive the feedback email.

Features

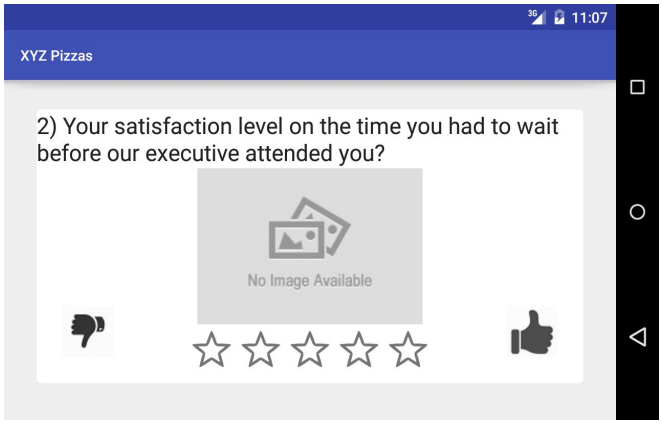
The main features of this app include:

- Provide a swipe (right for like and left for dislike) feature for the asked feedback question.
- A provision for star rating as well for conventional users.
- Fetching customer branch on basis of location (assuming there is only one in each city).
- Submitting the feedback to the manager via email.
- Displaying ads so as to promote their upcoming products/events.

User Interface Mocks

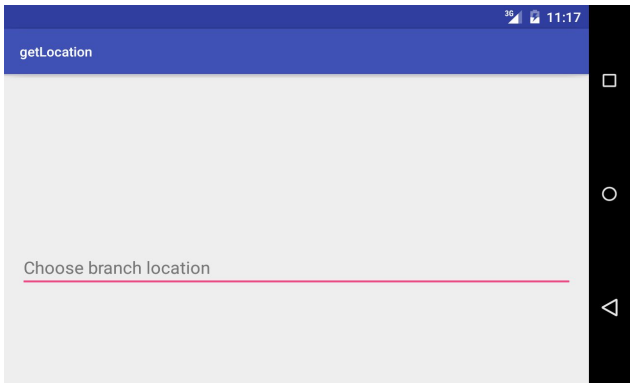
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1



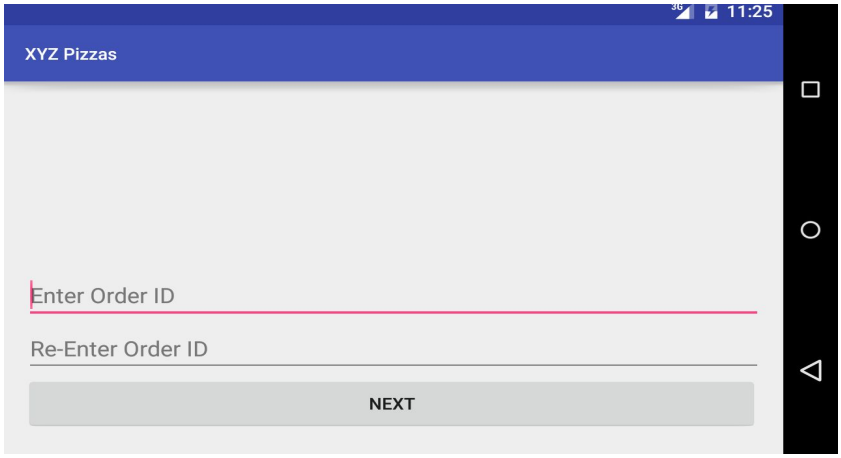
Replace the above image with your own mock [click on the above image, then navigate to Insert → Image…]
The main feedback screen that contains both swipe and star rating facility for taking feedbacks. Every question will be displayed in a card view which will be a part of a recycler view.

Screen 2



Replace the above image with your own mock [click on the above image, then navigate to Insert → Image…]
Screen to capture branch location using Location APIs if required.

Screen 3



Replace the above image with your own mock [click on the above image, then navigate to Insert → Image…]
Screen to feed in the Order ID for which feedback will be taken.

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

Key Considerations

How will your app handle data persistence?

We shall be creating a new content provider to handle data persistence.

Describe any corner cases in the UX.

For now, there are no corner cases as this is a maximum two (three in case of an ad) screen app. The main navigation that will occur is between the order number and the submitted feedback.

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

Android Support Library, Card View, Recycler View, Material: This app will follow material design guidelines.
Picasso: To handle the loading and caching of images.
A custom made jar: To handle emails.

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

- Search and set up libraries that may be required for the project
- Implement requirement analysis
- Design project flow
- Set up required Google APIs

Task 2: Implement UI for Each Activity and Fragment

- Design splash screen
- Build UI for each activity
- Validate each component of UI
- Give content description for each UI element

Task 3: Create content provider

- Create content provider for handling data persistence.

Task 4: Introduce ads

- Introduce interstitial and if required banner (test/mock)ads by admob

Task 5: Email jar

- Create an email jar to fire feedback emails to the Manager and include it as an library

Task 6: Schedule background jobs for firing stored feedback email

- Create periodic background jobs and broadcasts receivers for firing feedback emails.

Task 7: Location API

- Configure Google Location APIs for fetching restaurant branch location.

Task 8: Integration

- Integrate the components; checkout and implement missing scopes/scenarios.

Task 9: Responsive design

- Make the design responsive.

Task 10: Testing and debugging

- Test and fix abnormal behaviours.

Task 11: Deployment

- Generate signed APK.

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

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