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**GitHub Username:** [github.com/fathyshawat](https://github.com/fathyshawat)

## My Favourite Meal

## Description

My favourite meal app help you to know what the best meal in the restaurant , add your favourite meal in a list to display to the other people that it is a good meal in this restaurant. Allow you to make your favourite meal list to check this if you like to eat it in one day.

## Intended User

All users can use app

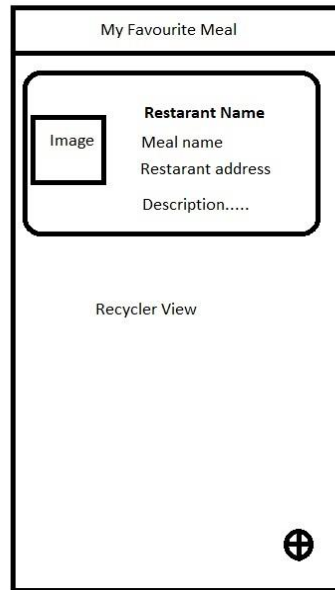
## Features

List the main features of your app. For example:

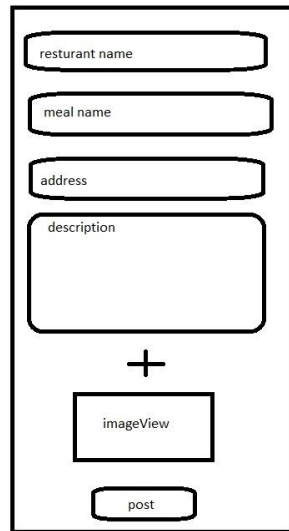
- Saves information about restaurant
- Upload images
- Show the best meals in restaurants
- Make your favourite meals list

# User Interface Mocks

## Screen 1



## Screen 2



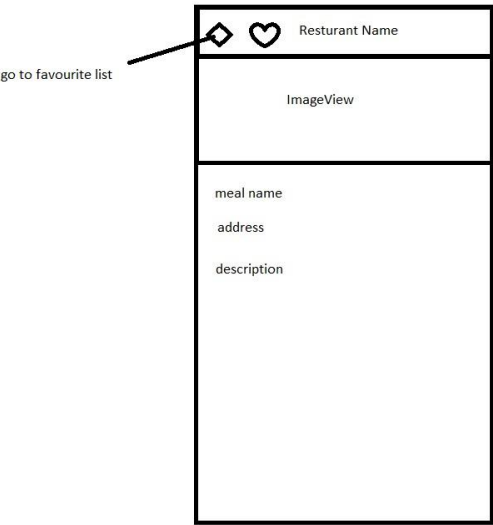
A vertical form layout for a restaurant listing. It consists of four rounded rectangular input fields stacked vertically, labeled 'resturant name', 'meal name', 'address', and 'description'. Below the 'description' field is a plus sign (+) centered above a rectangular box labeled 'imageView'. At the bottom of the form is a rounded rectangular button labeled 'post'.

## Screen 3

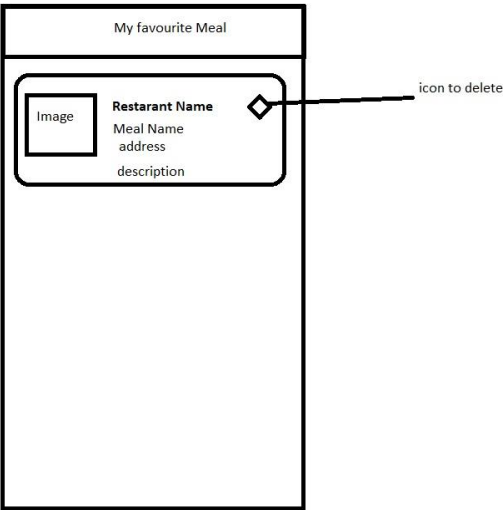


A vertical layout for displaying restaurant information. It features three stacked rectangular sections. The top section is labeled 'Resturant Name'. The middle section is labeled 'ImageView'. The bottom section is a larger container that lists the fields 'meal name', 'address', and 'description' stacked vertically.

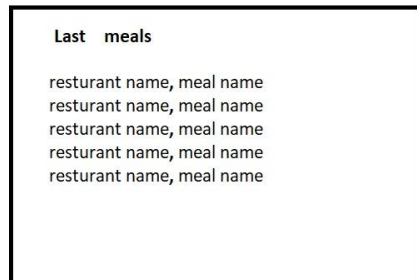
Screen 4



Screen 5



## Widget



## Key Considerations

How will your app handle data persistence?

Firestore and Room

Describe any edge or corner cases in the UX.

I am using firestore it caches data if no internet connection but No data in my RecyclerView I will display TextView "There are No Data "

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

Picasso handle the loading and caching of images.

ButterKnife reducing code

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

- Admob when user launch app I will show ads
- Firebase for real time database and store
- Firebase Analytics

## Task 1: Project Setup

Create and setup a new project. this task include :

- Creating a new project in android studio.
- App is written solely in the Java Programming Language.
- Support Rtl and Content Description.
- all text will be in string.xml.
- App will communicate with widget over IntentService.
- Configuring libraries by adding all necessary dependencies.

Library Name	Library Version
Android studio	3.3.1
Gradle	4.10.1
picasso	2.71828
ButterKnife	8.8.1
Room	1.1

## Task 2: Implement UI for Each Activity and Fragment

- Main\_activity [Activity]:To display Item of meals.
- details[Activity] : To display the details of meal
- Add\_meal[Activity] : To add a new best meal in the list
- Favourite[Activity]:to display your favourite meals

### **Task 3: Google Play services**

- admob
- Firebase
- Firebase Analytics

### **Task 4: FireBase**

- Implement firebase real-time database to display all items of meal in recyclerView
- Implement firebase storage to store images of meal
- Firebase Analytics

### **Task 5: Room**

- Using room if a meal like you and you would like to add it to your favourite list.
- It will be implemented using LiveData and ViewModel

### **Task 6: other libraries**

- ButterKnife
- EasySplashScreen
- Picasso