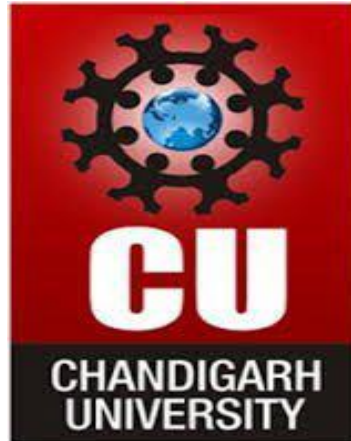# FOOD ORDERING ANDROID APPLICATION

Submitted in partial fulfillment of the requirements for the award of degree of
**BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING**

Submitted to: Ma'am Nandita Malik

Submitted By: 1 student
NAME: Kriti Prajapati
UID: 19BCS1441

Mentor Signature

(Name & E-code)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Chandigarh University, Gharuan
Feb-May 2022

CERTIFICATE

This is to certify that the work embodied in this Project Report entitled **"FOOD ORDERING ANDROID APP"** being submitted by "KRITI PRAJAPATI"(19BCS1441) 6th Semester for partial fulfillment of the requirement for the degree of **" Bachelor of Engineering in Computer Science & Engineering "** discipline in " **Chandigarh University** " during the academic session Feb-May 2022 is a record of bona fide piece of work, carried out by student under my supervision and guidance in the **" Department of Computer Science & Engineering ", Chandigarh University.**
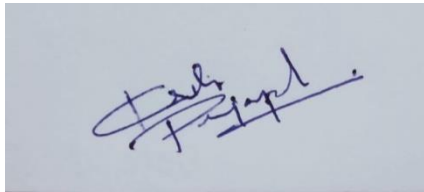
APPROVED & GUIDED BY:

NANDITA MALIK
(PROJECT MENTOR)

DECLARATION

I, student of **Bachelor of Engineering in Computer Science & Engineering, 6th Semester,** session: Feb – May 2022, **Chandigarh University**, hereby declare that the work presented in this Project Report entitled **"FOOD ORDERING ANDROID APP"** is the outcome of my own work, is bona fide and correct to the best of my knowledge and this work has been carried out taking care of Engineering Ethics. The work presented does not infringe any patented work and has not been submitted to any other university or anywhere else for the award of any degree or any professional diploma.

Student details and Signature

KRITI PRAJAPATI

ACKNOWLEDGEMENT

Presentation inspiration and motivation have always played a key role in the success of any venture.

This project named **'Food Ordering Android App'** became a reality with the kind support and help of many individuals. I would like to extend my sincere thanks to all of them.

Foremost, I want to offer this endeavor to our GOD Almighty for the wisdom he bestowed upon us, the strength, peace of my mind and good health in order to finish this research.

I express my sincere thanks to Ma'am Nandita Malik, project teacher, Chandigarh University to encourage me to the highest peak and to provide me the opportunity to prepare the project. I am immensely obliged to my friends for their elevating inspiration, encouraging guidance and kind supervision in the completion of my project.

Last, but not the least, my parents are also an important inspiration for me. So, with due regards, I express my gratitude to them.

FINAL REPORT

S. No.	CONTENTS
1	INTRODUCTION
2	SYSTEM DESIGN
3	TECHNOLOGIES USED
4	IMPLEMENTATION (100%)
5	OUTPUT VALIDATION AND COCLUSION
6	TEAM WORK

1. <u>INTRODUCTION</u>

The project is based on the domain android app development. The project name is **"Food Ordering App"**. The name of application is **"Sweet & Spicy Bites"**. So basically, it is an android app that helps the users to order food through their phones anywhere at a reasonable rate. This application is designed to help customers pick up their favorite food at affordable prices and enjoy their happy meals. If we are taking any trip outside the city the menu will be upgraded according to the location and consists of nearby hotels menu. This has one administrator account that verifies the subscriber and two types of user account, one of the menu managers and one of the customers ordering foods. This application has only one administrator account and cannot have more than one administrator account. The "Online Food Ordering Application" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, in some cases, reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus, by this all it proves it is user-friendly. Online Food Ordering Application as described can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources.

Every organization, whether big or small, has challenges to overcome and managing the information of Item Category, Food, Customer, delivery Address, order. Every Online Food Ordering Application has different Food needs; therefore, I design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

2. <u>SYSTEM DESIGN</u>

2.1 PROJECT OVERVIEW

- <u>WELCOME PAGE</u>
  - This page contains an overview of app. It consists of the app logo as well as app name (**Sweet & Spicy Bites**).

- <u>LOGIN PAGE</u>
  - An existing user can login in his account with the help of phone number and password and get an order with the help of this page.

- <u>REGISTRATION PAGE</u>
  - If a customer is a new user, then he or she can make his account by registering in with the help of this page.

- <u>FORGET PASSWORD PAGE</u>
  - If an existing user forgets his/her password, then he or she can reset the password with the help of this page.

- <u>NAVIGATION DRAWER</u>
  - Consists of the profile icon and username and mobile number on the top and menu options to the following pages:

    - Home
    - User Profile
    - Favorite Restaurants
    - Order History
    - Frequently asked Questions(FAQs)

- Log Out

o <u>MY PROFILE</u>
  - Once the user login into his account he can go to profile page and look into his name, mobile no, email address and delivery address.

o <u>FAVORITES</u>
  - Here list of all favorites' restaurants is displayed.

o <u>ORDER HISTORY</u>
  - In this page the list of previously placed order of the user will be displayed.

o <u>FAQ</u>
  - Page which lists some frequently asked questions.

o <u>LOGOUT</u>
  - Its functionality is to take the user to the login page.

o <u>RESTAURANT DETAILS</u>
  - Page which displays the menu items of that particular restaurant, each item's price and the option to add an item to cart.

o <u>CART</u>
  - Page which lists the items added to cart and the total amount to be paid.

2.2 The Research Stage

The research stage was a critical stage that provided me with the knowledge necessary to complete the other stages of my project. This stage was an ongoing process that I had to return to many times during the development process to gain the knowledge needed to continue on with the project. My research encompassed a wide range of sources, which included studies done at different platforms and hobby enthusiast sources.

2.3 The Programming Stage

In this stage of my project I have to design the whole application. In fact, my project needed only programming. My frontend started with programming different phases and doing undoing them, then, at the backend part I had to do it with java and SQLite database.

3. TECHNOLOGIES USED

3.1 JAVA

- Java is easy to learn and understand
- Java is designed to be platform-independent and secure, using virtual machines
- Java is object-oriented
- Android relies heavily on these Java fundamentals.
- The Android SDK includes many standard Java libraries (data structure libraries, math libraries, graphics libraries, networking libraries and everything else you could want)
- As well as special Android libraries that will help you develop awesome Android applications.

3.2 XML

- XML stands for Extensible Markup Language.
- XML is a markup language much like HTML used to describe data. It is derived from Standard Generalized Markup Language(SMGL).

- Basically, the XML tags are not predefined in XML. We need to implement and define the tags in XML.

- XML tags define the data and used to store and organize data. It's easily scalable and simple to develop.

- In Android, the XML is used to implement UI-related data, and it's a lightweight markup language that doesn't make layout heavy.

- XML only contains tags, while implementing they need to be just invoked.

3.3 SQLite

- SQLite does not require a separate server process or system to operate (serverless).

- SQLite comes with zero-configuration, which means no setup or administration needed.

- A complete SQLite database is stored in a single cross-platform disk file.

- SQLite is very small and light weight, less than 400KiB fully configured or less than 250KiB with optional features omitted.

- SQLite is self-contained, which means no external dependencies.

- SQLite transactions are fully ACID-compliant, allowing safe access from multiple processes or threads.

- SQLite supports most of the query language features found in SQL92 (SQL2) standard.

- SQLite is written in ANSI-C and provides simple and easy-to-use API.

- SQLite is available on UNIX (Linux, Mac OS-X, Android, iOS) and Windows (Win32, WinCE, WinRT).

4. <u>IMPLEMENTATION</u>
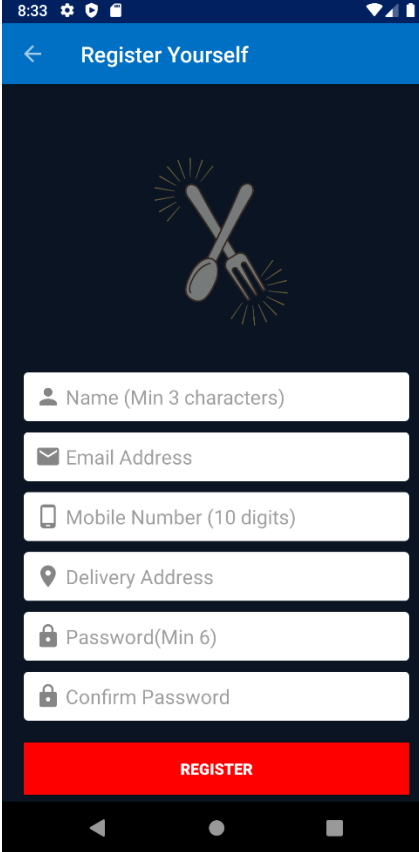
a. <u>WELCOME PAGE</u>
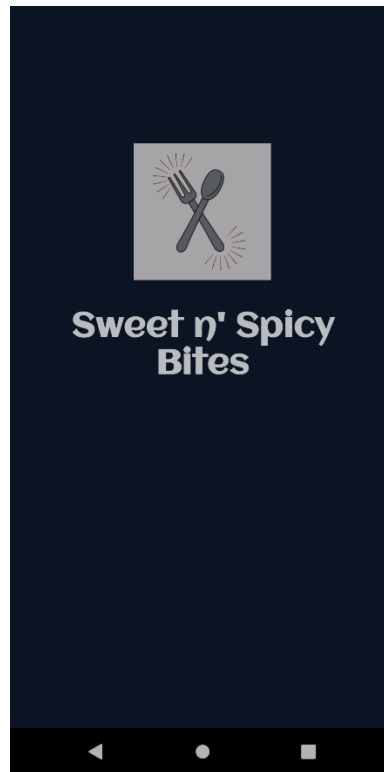
b. <u>LOGIN PAGE</u>

c. REGISTRATION PAGE

d. FORGET PASSWORD PAGE

e. NAVIGATION DRAWER

f. MY PROFILE

8:35	Favorites

Nothing is added to Favorites

8:36	Favorites

Pind Tadka ❤️
₹ 280/Person 4.1

Garbar Burgers ❤️
₹ 200/Person 4.6

h. ORDER HISTORY

8:35	← My Previous Orders

Your previous orders :

Pind Tadka	21/11/2021
— Kachaa Aloo Tadka	Rs. 60
— Gobi Tadka	Rs. 80
Pind Tadka	20/11/2021
— Kachaa Aloo Tadka	Rs. 60
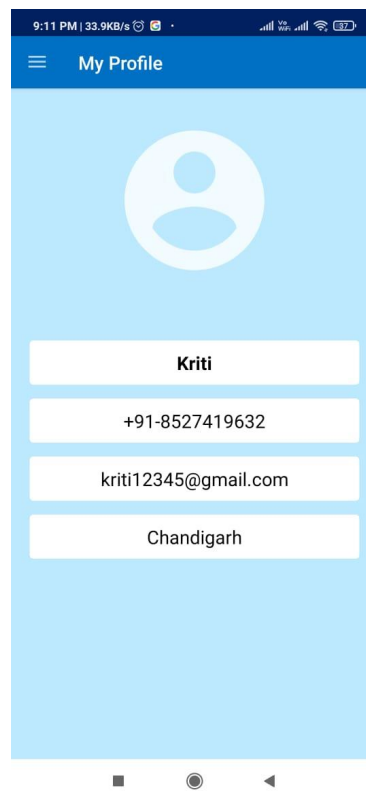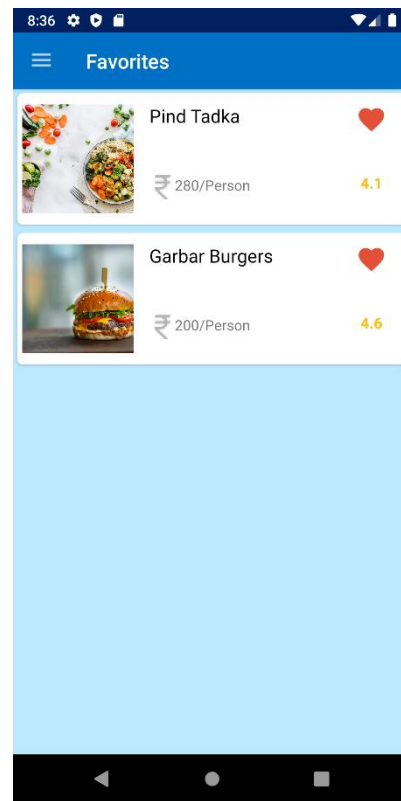
i. <u>FAQ</u>
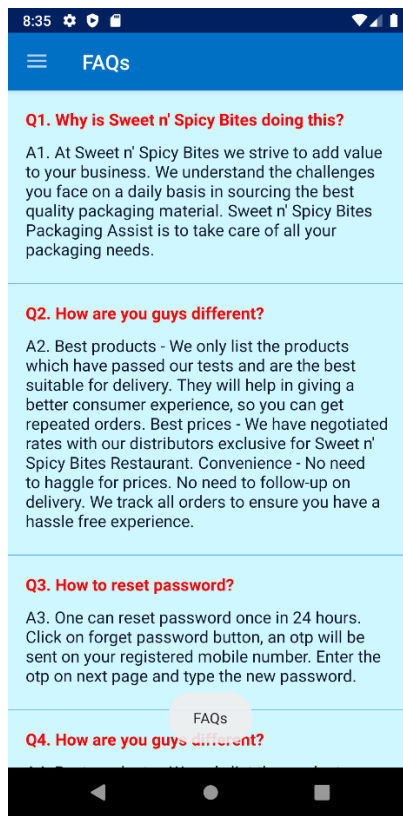
j. <u>LOGOUT</u>

k. RESTAURANT DETAILS

8:35 ⚙ 🛡 ⬛   ▼◢ 🔋

← **Pind Tadka**

Choose from menu listed below: ♡

1	Kachaa Aloo Tadka	ADD
	Rs. 60	
2	Bhajia Tadka	ADD
	Rs. 60	
3	Mirchi Tadka	ADD
	Rs. 50	
4	Daal No Tadka	ADD
	Rs. 100	
5	Roti Tadka	ADD
	Rs. 30	
6	Chole Tadka	ADD
	Rs. 120	
7	Gobi Tadka	ADD
	Rs. 80	
8	Murg Bhadka	ADD
	Rs. 150	
9	Bhedu Bhadka	ADD
	Rs. 180	

◄   ●   ■

l. CART

8:35 ⚙ 🛡 ⬛   ▼◢ 🔋

← **My Cart**

Ordering From: **Pind Tadka**

─	Daal No Tadka	Rs. 100
─	Chole Tadka	Rs. 120

Place Order(Total: Rs. 220)

◄   ●   ■
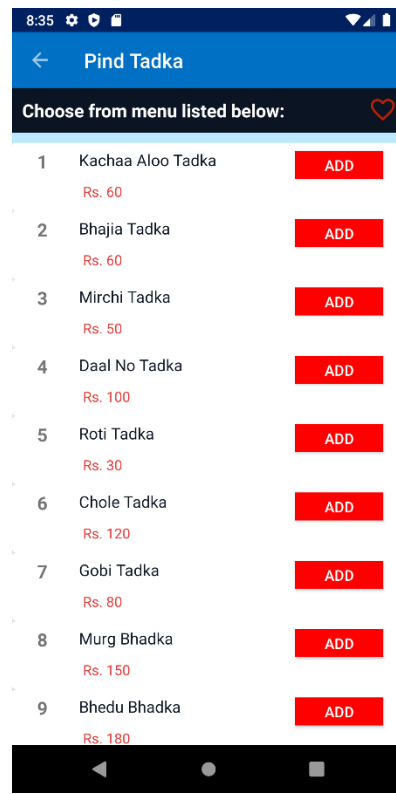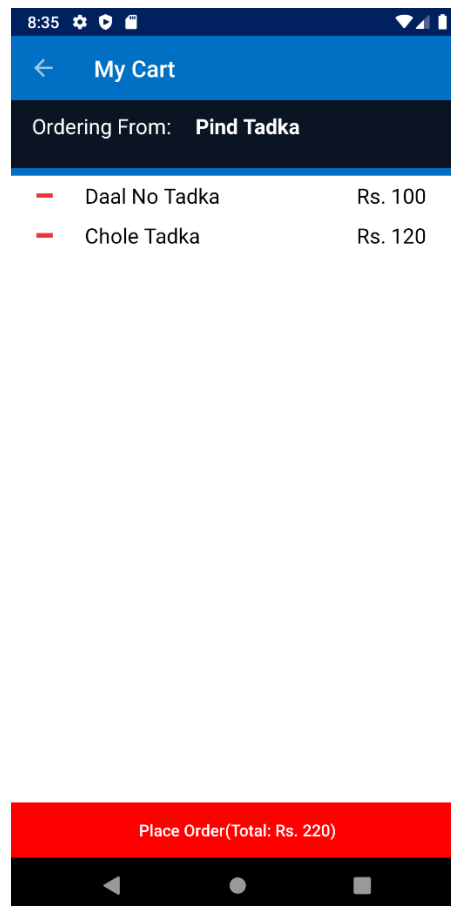
m. SORT BY BLOCK
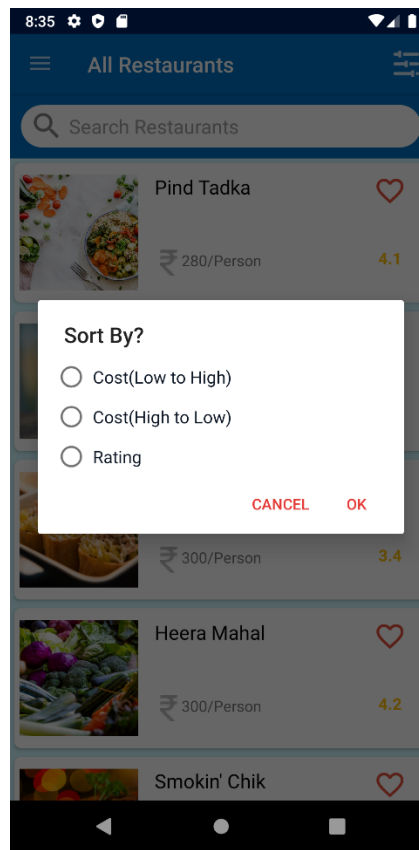
n. ORDER SUCCESSFUL
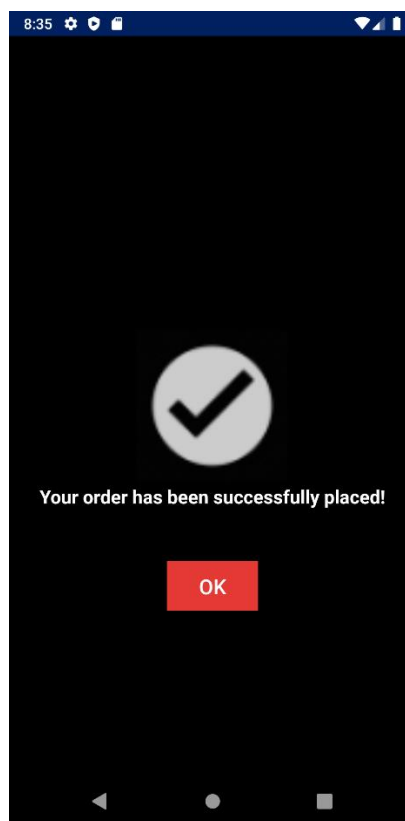
o. <u>DASHBOARD</u>
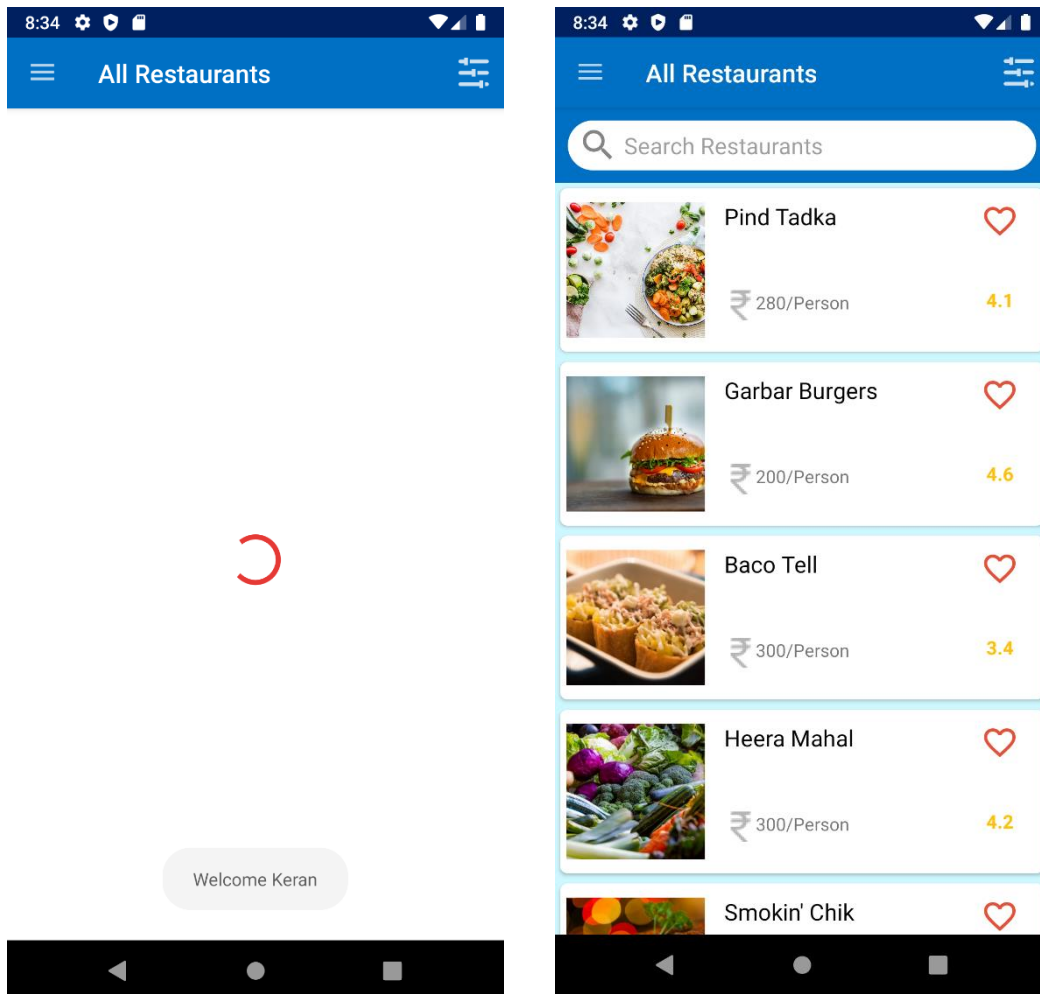
5. <u>OUTPUT VALIDATION AND COCLUSION</u>

<u>Conclusion:</u>

At the end it is concluded that I have made effort on following points..

- I have defined the problem on which I am working in the project.
- I have described the requirement Specifications of the system and the actions that can be done on these things.
- I understand the problem domain and produce a model of the system, which describes operations that can be performed on the application.
- I have included features and operations in detail, including screen layouts
- I have designed user interface and security issues related to application.
  Finally, the application is implemented and tested according to test cases.

- <u>ORDERING TWO ITEMS AND ADDING RESTAURANTS TO FAVORITES PROCEDURE</u>

    a. VISIT MY APP
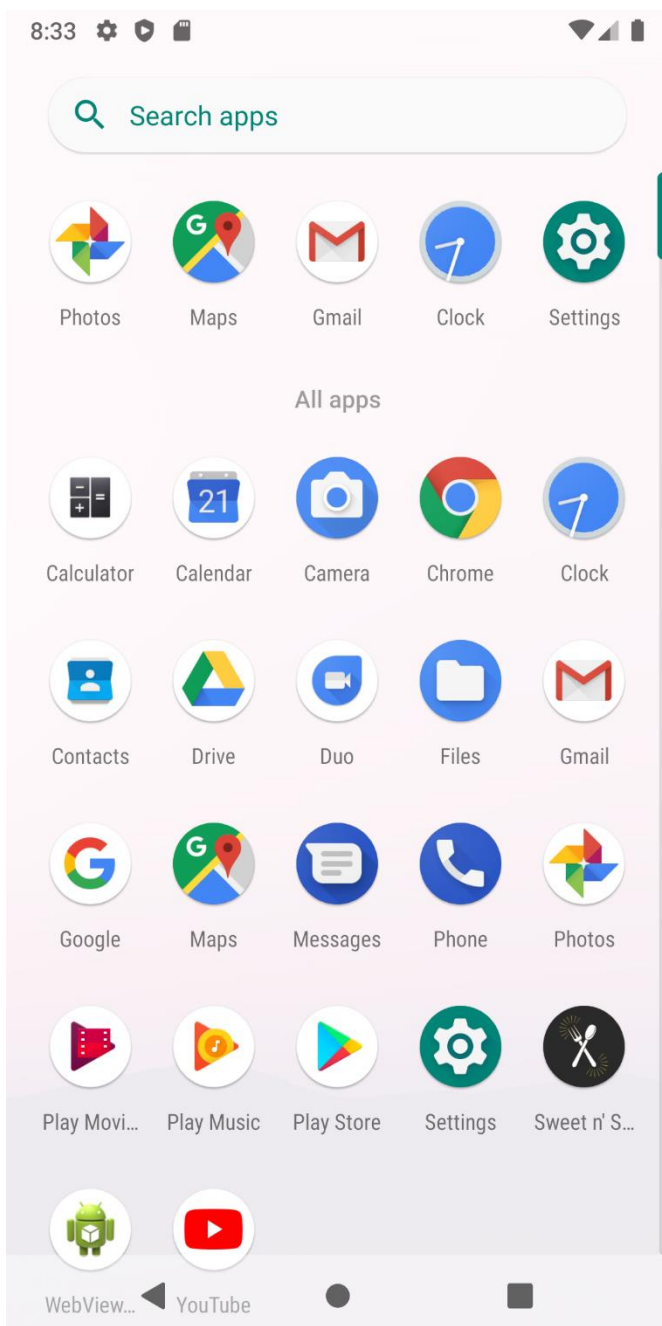
b. REGISTER

c. LOGIN

d. PROFILE

e. DASHBOARD PAGE
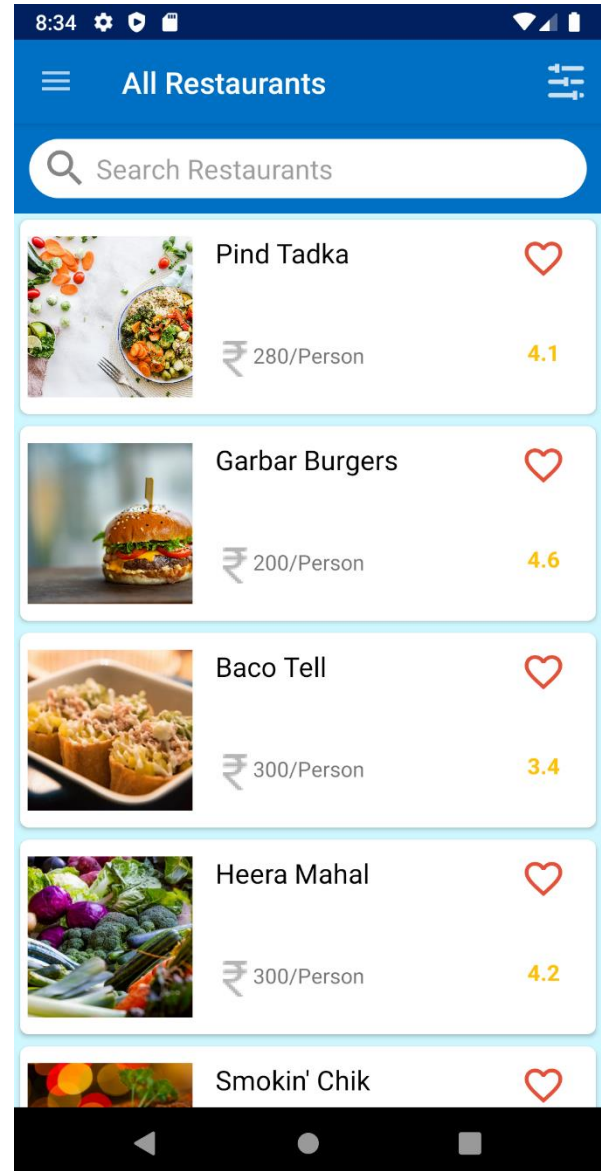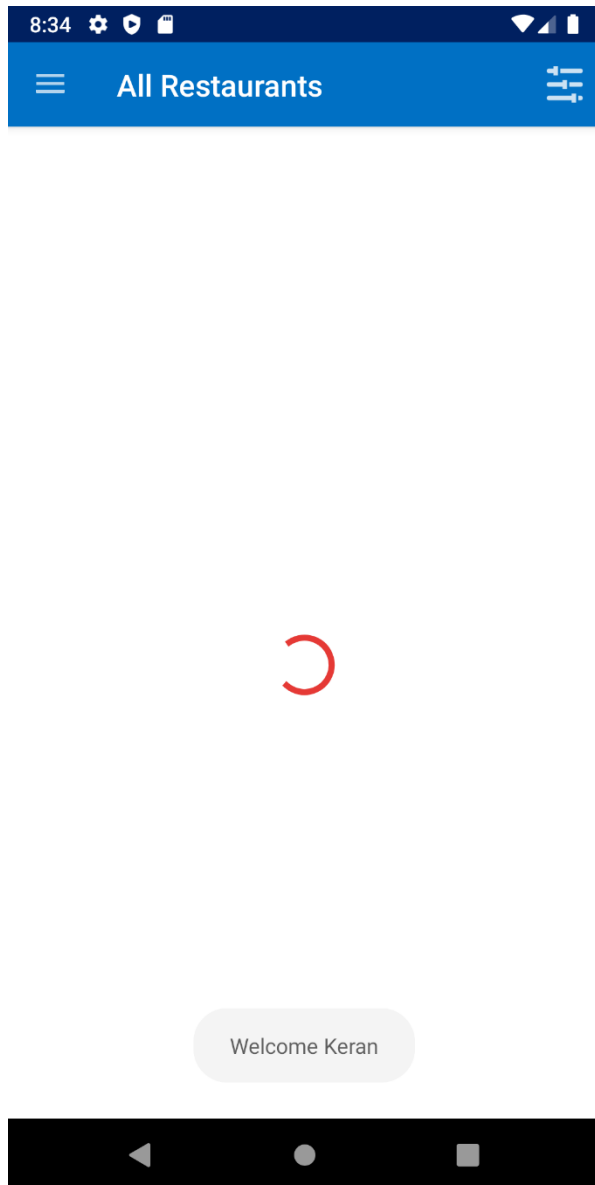
f. ADD RESTAURANT TO FAVORITES

g. CHOOSE THE RESTAURANT

8:35

Pind Tadka

Choose from menu listed below: ♥

1	Kachaa Aloo Tadka	ADD
	Rs. 60	
2	Bhajia Tadka	ADD
	Rs. 60	
3	Mirchi Tadka	ADD
	Rs. 50	
4	Daal No Tadka	ADD
	Rs. 100	
5	Roti Tadka	ADD
	Rs. 30	
6	Chole Tadka	ADD
	Rs. 120	
7	Gobi Tadka	ADD
	Rs. 80	
8	Murg Bhadka	ADD
	Rs. 150	
9	Bhedu Bhadka	ADD
	Rs. 180	
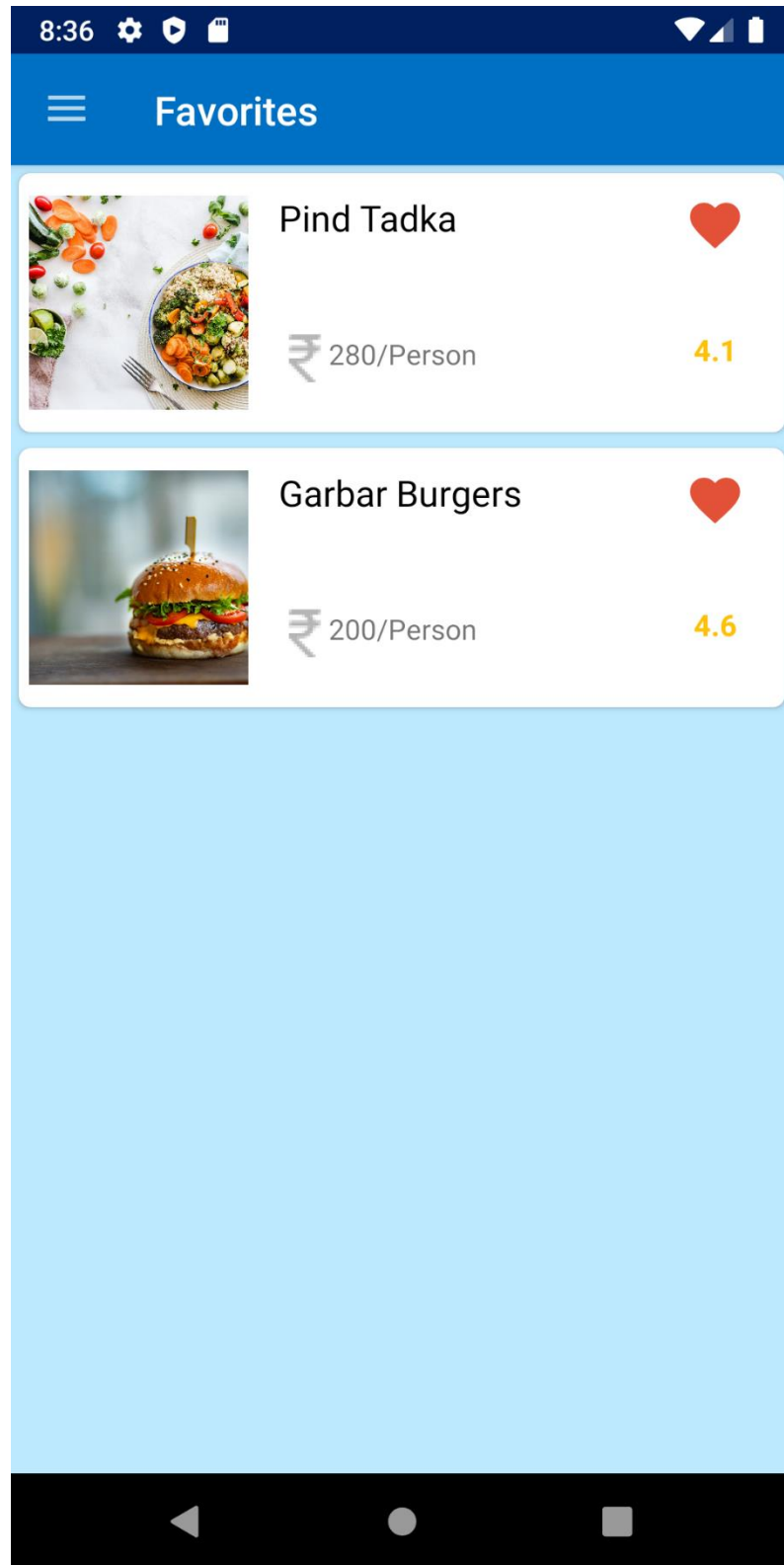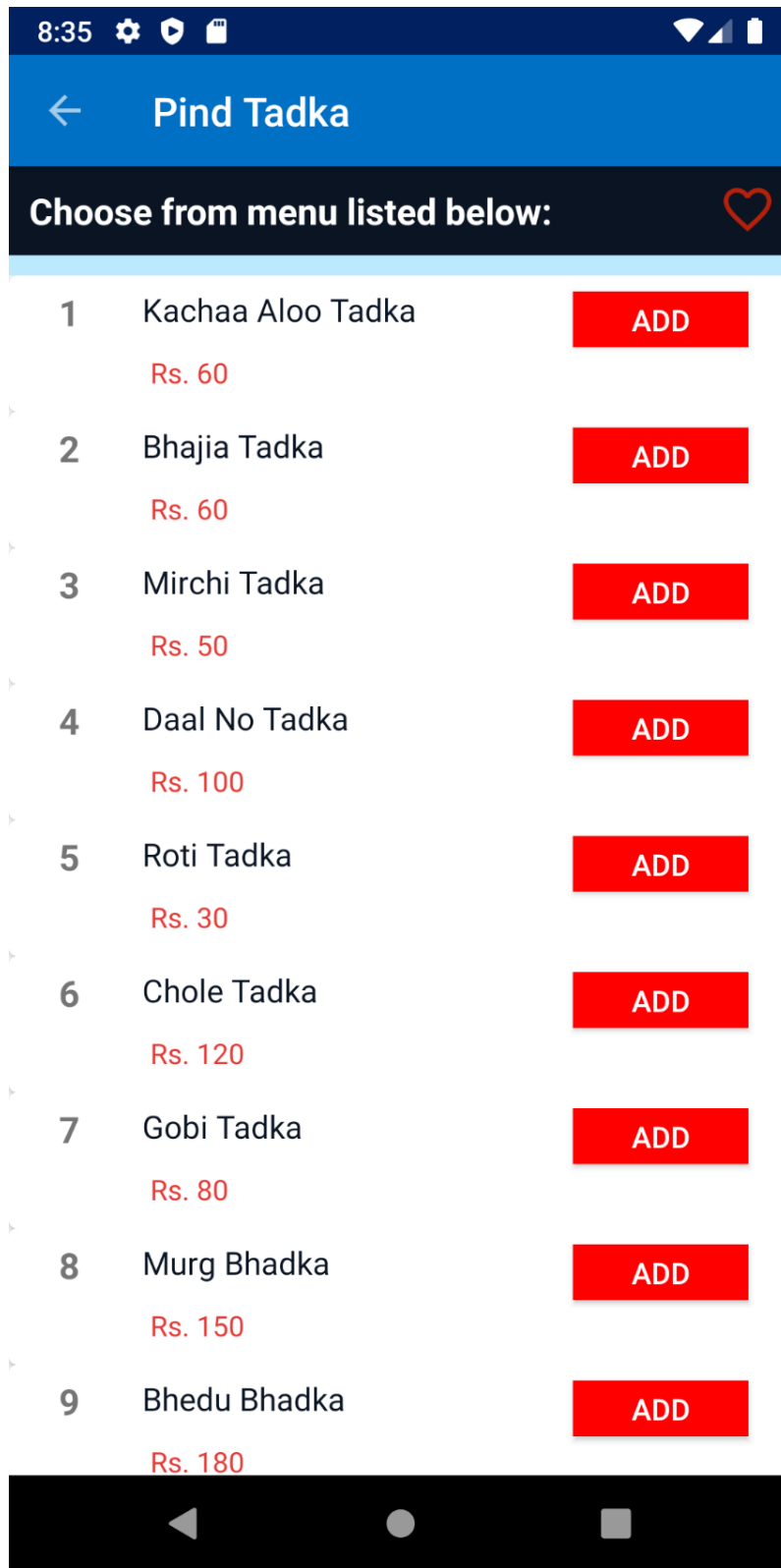
h. CHOOSE THE FOOD ITEM FROM MENU

Left screen:

8:35

← Pind Tadka

Choose from menu listed below: ♥

1	Kachaa Aloo Tadka Rs. 60	ADD
2	Bhajia Tadka Rs. 60	ADD
3	Mirchi Tadka Rs. 50	ADD
4	Daal No Tadka Rs. 100	REMOVE
5	Roti Tadka Rs. 30	ADD
6	Chole Tadka Rs. 120	ADD
7	Gobi Tadka Rs. 80	ADD
8	Murg Bhadka Rs. 150	ADD

PROCEED TO CART

Right screen:

8:35

← Pind Tadka

Choose from menu listed below: ♥

1	Kachaa Aloo Tadka Rs. 60	ADD
2	Bhajia Tadka Rs. 60	ADD
3	Mirchi Tadka Rs. 50	ADD
4	Daal No Tadka Rs. 100	REMOVE
5	Roti Tadka Rs. 30	ADD
6	Chole Tadka Rs. 120	REMOVE
7	Gobi Tadka Rs. 80	ADD
8	Murg Bhadka Rs. 150	ADD

PROCEED TO CART

i. CLICK ON PROCEED TO CART

8:35

My Cart

Ordering From: **Pind Tadka**

— Daal No Tadka   Rs. 100

— Chole Tadka   Rs. 120

Place Order(Total: Rs. 220)
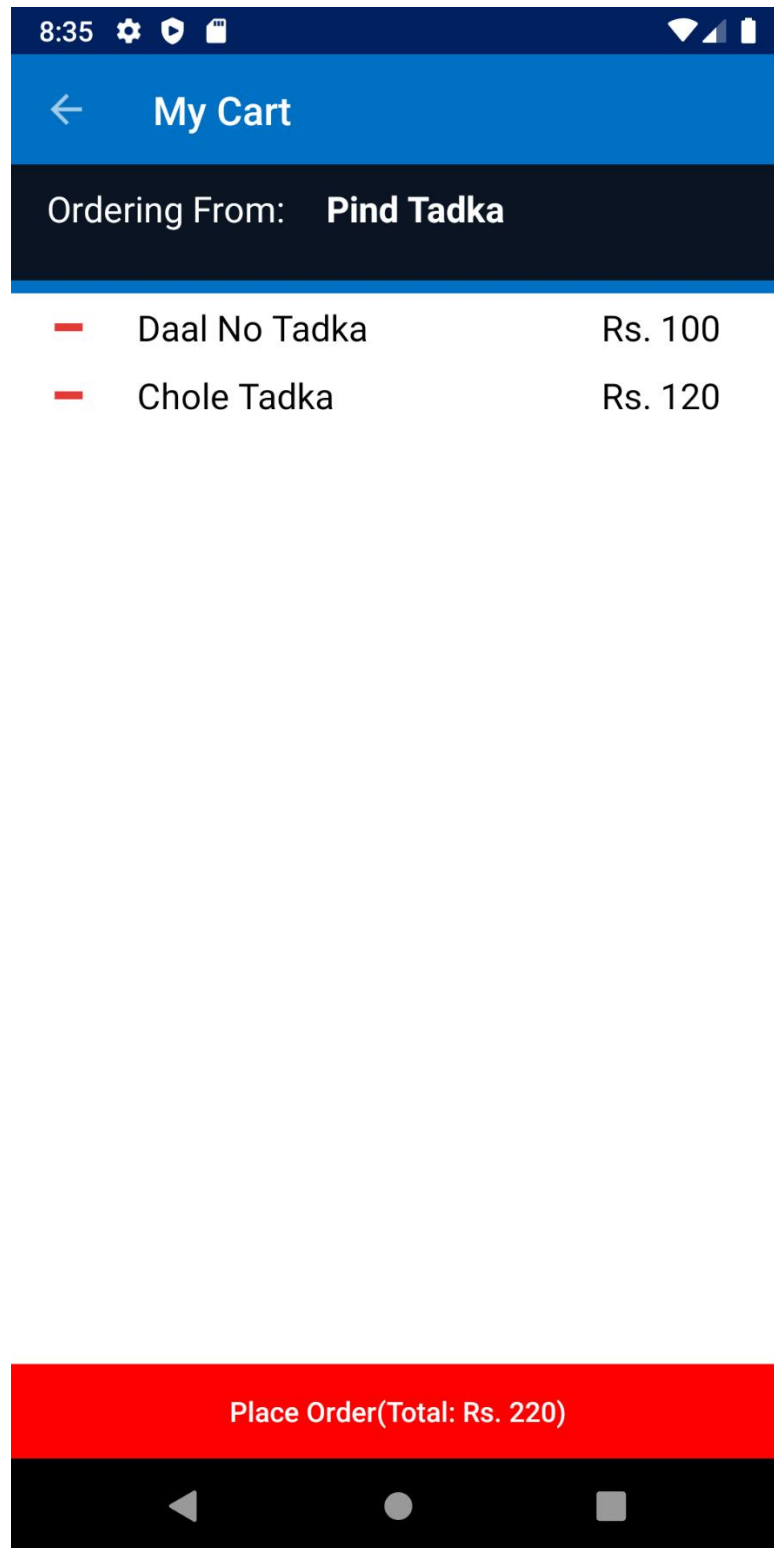
j. ORDER SUCCESSFUL
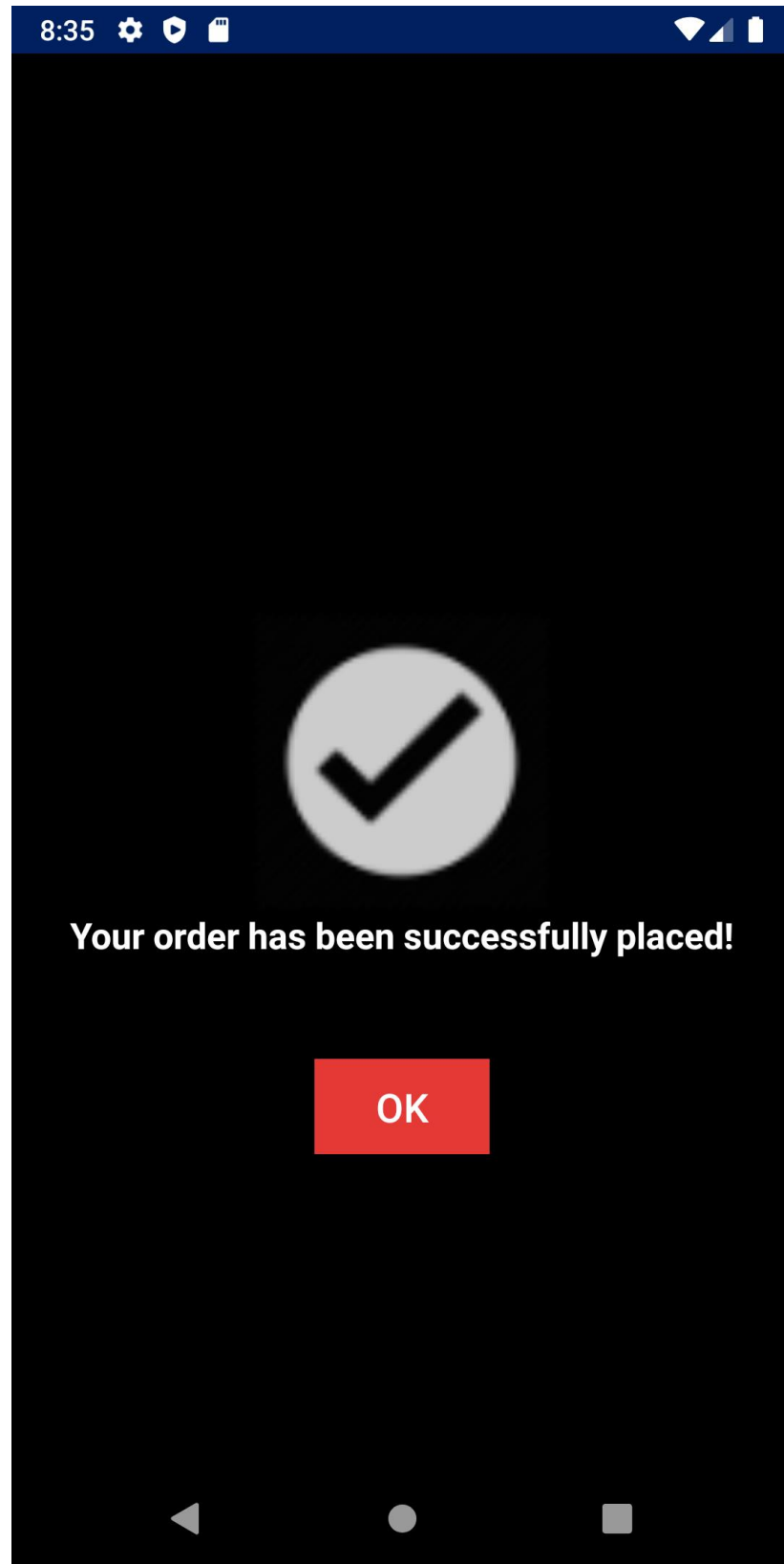
6. TEAM WORK

<u>Work Division</u> –:

1. Frontend/UI

    1.1   Welcome Page

    1.2   Dashboard Page

    1.3   Forget Password

    1.4   Navigation Drawer

    1.5   Sort By Block

    1.6   Login/ Sign Up Page

    1.7   Profile Page

    1.8   FAQ Page

    1.9   Favorite Page

    1.10   Cart Page

    1.11   Order History Page

    1.12   Order successful Page

2. Backend

    2.1   Login /Signup

    2.2   Forget Password Page

    2.3   Sort By Block

    2.4   Order History Page

    2.5   Favorite Page

    2.6   Profile Page

    2.7   Cart Page

    2.8   Dashboard

2.9   Restaurant Details

3. Content Writing

All the content available in pages like dashboard, FAQ, etc.

TEAM -:

1. Kriti Prajapati (19BCS1441)