

A Project Report On

Food Delivery App

Submitted in partial fulfillment of the requirement for the
award of the degree

Master of Computer Applications
(MCA)

Academic Year 2024 – 25

RUTIK PARMAR (92400584150)
SHYAM TANNA (92400584172)
MALAYA RANJAN MOHANTY (92400584195)
KAUSHAL MANVAR (92400584205)

Internal Guide
Ripal Ranpara Mam



Marwadi
University
Marwadi Chandarana Group



Marwadi University

Rajkot-Morbi Road, At & PO :Gauridad, Rajkot 360 003. Gujarat. India.



Marwadi
University
Marwadi Chandarana Group



Master of Computer Applications (MCA)

Certificate

**This is to certify that the project work entitled
Pharmacy Management System
submitted in partial fulfillment of the requirement for
the award of the degree of
Master of Computer Applications (MCA)
of the**

Marwadi University

**is a result of the bonafide work carried out by
RUTIK PARMAR (92400584150)
SHYAM TANNA (92400584172)
MALAYA RANJAN MOHANTY (92400584195)
KAUSHAL MANVAR (92400584205)
during the academic year 2024-25**

Faculty Guide

HOD

Dean

DECLARATION

We hereby declare that this project work entitled **Food Delivery App** is a record done by us.

We also declare that the matter embodied in this project is genuine work done by us and has not been submitted whether to this University or to any other University / Institute for the fulfillment of the requirement of any course of study.

Place:

Date:

RUTIK PARMAR (92400584150) Signature:_____

SHYAM TANNA (92400584172) Signature:_____

MALAYA RANJAN MOHANTY (92400584195) Signature:_____

KAUSHAL MANVAR (92400584205) Signature:_____

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RUTIK PARMAR (92400584150) Signature: _____

SHYAM TANNA (92400584172) Signature: _____

MALAYA RANJAN MOHANTY (92400584195) Signature: _____

KAUSHAL MANVAR (92400584205) Signature: _____

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Synopsis

The **Food Delivery App** is designed to provide a convenient platform for customers to browse restaurant menus, place food orders, make payments, and track deliveries in real-time. The system connects three key stakeholders: **customers, restaurants, and delivery personnel**, ensuring smooth coordination and efficient food delivery.

Customers can register/login, browse available menus, add items to the cart, place orders, and track their status. Restaurants receive and manage orders, update menu details, and change order statuses. Delivery personnel are assigned orders, pick up food from restaurants, and deliver it to customers. An integrated **payment module** allows secure online transactions, ensuring seamless financial processing.

The **admin panel** manages users, restaurants, and delivery staff to maintain the overall system efficiently.

Project Description

The Food Delivery App is a mobile-based application that enables customers to order food from nearby restaurants and have it delivered to their doorstep. The system provides a simple and user-friendly interface where customers can register, browse menus, add items to the cart, place orders, make payments, and track deliveries in real time.

Restaurants can receive and manage customer orders, update order status, and maintain menu details, while delivery personnel are assigned tasks to pick up and deliver orders efficiently. The application also includes a secure payment module for processing online transactions.

Additionally, an admin panel manages users, restaurants, and delivery staff, ensuring smooth system operations. The project demonstrates the practical implementation of software engineering concepts, including modular design, data flow, and interaction between multiple stakeholders.

TECHNICAL DESCRIPTION

Hardware Requirements:

Processor:- Intel Core i3 or higher

Ram: Minimum 4 Gb

Hard-disk :- Minimum 500 Gb HDD or 128 Gb SSD

Software Requirements:

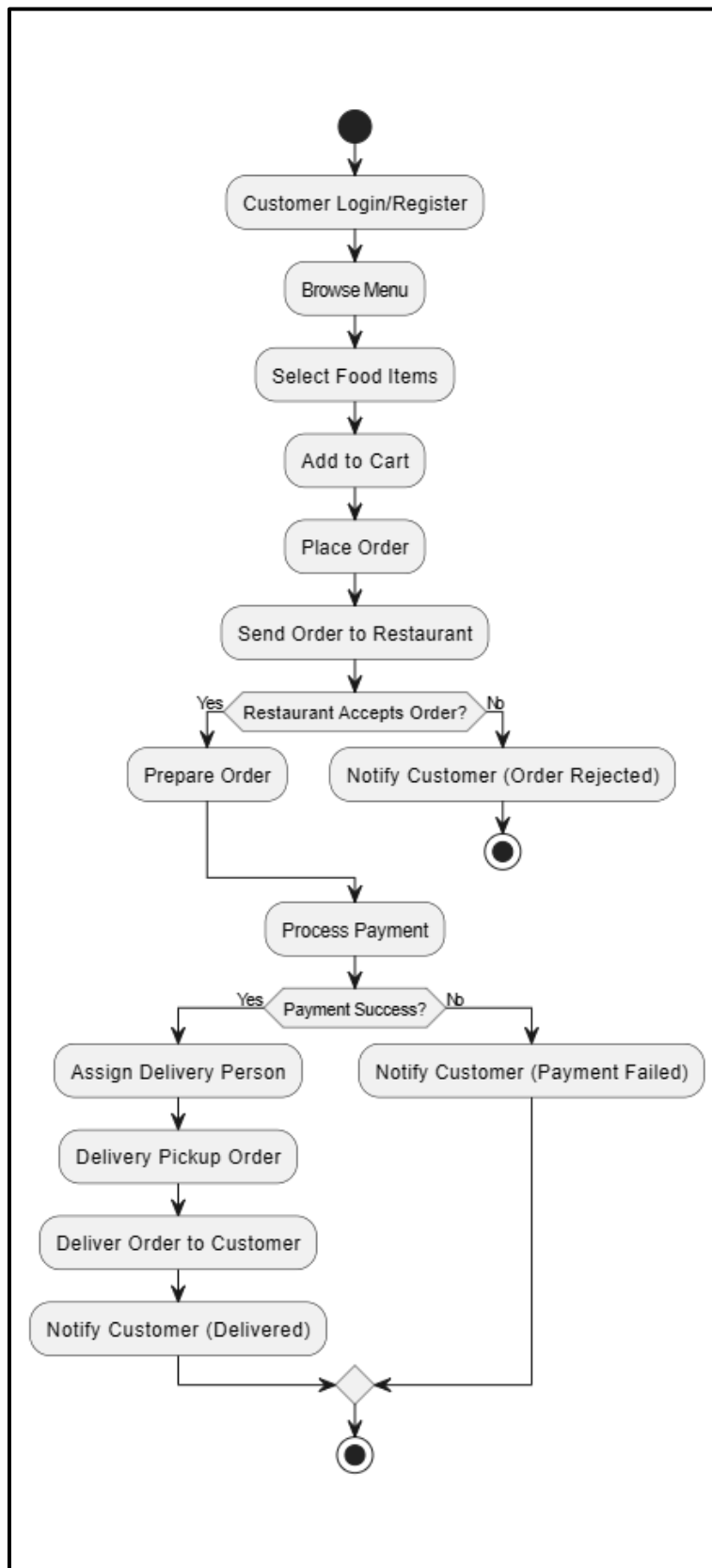
Operating System:- windows 10 or later

Programing Language: Android Using Java

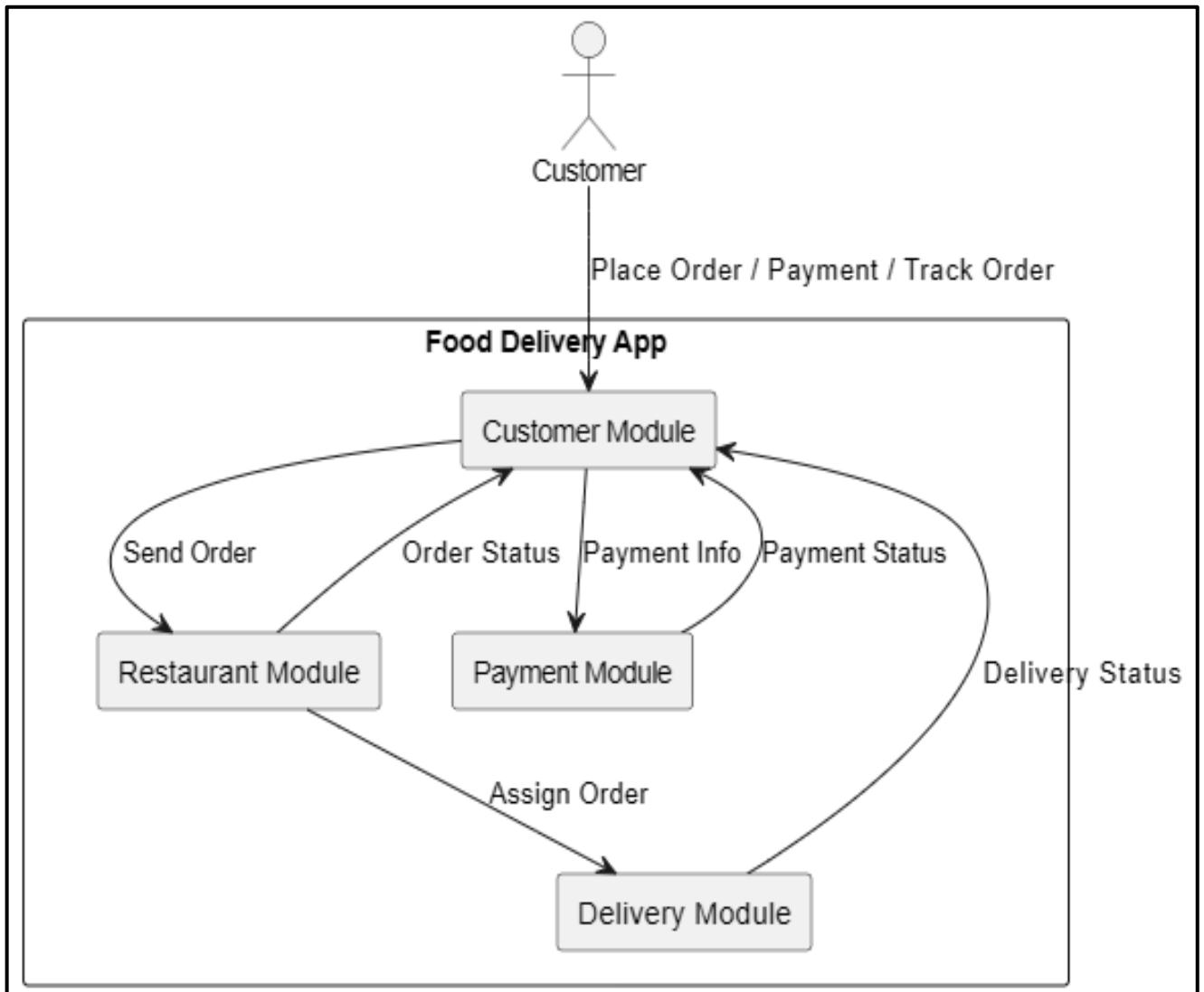
Database:- Inbuilt Phone

Development Tools:- Android Studio

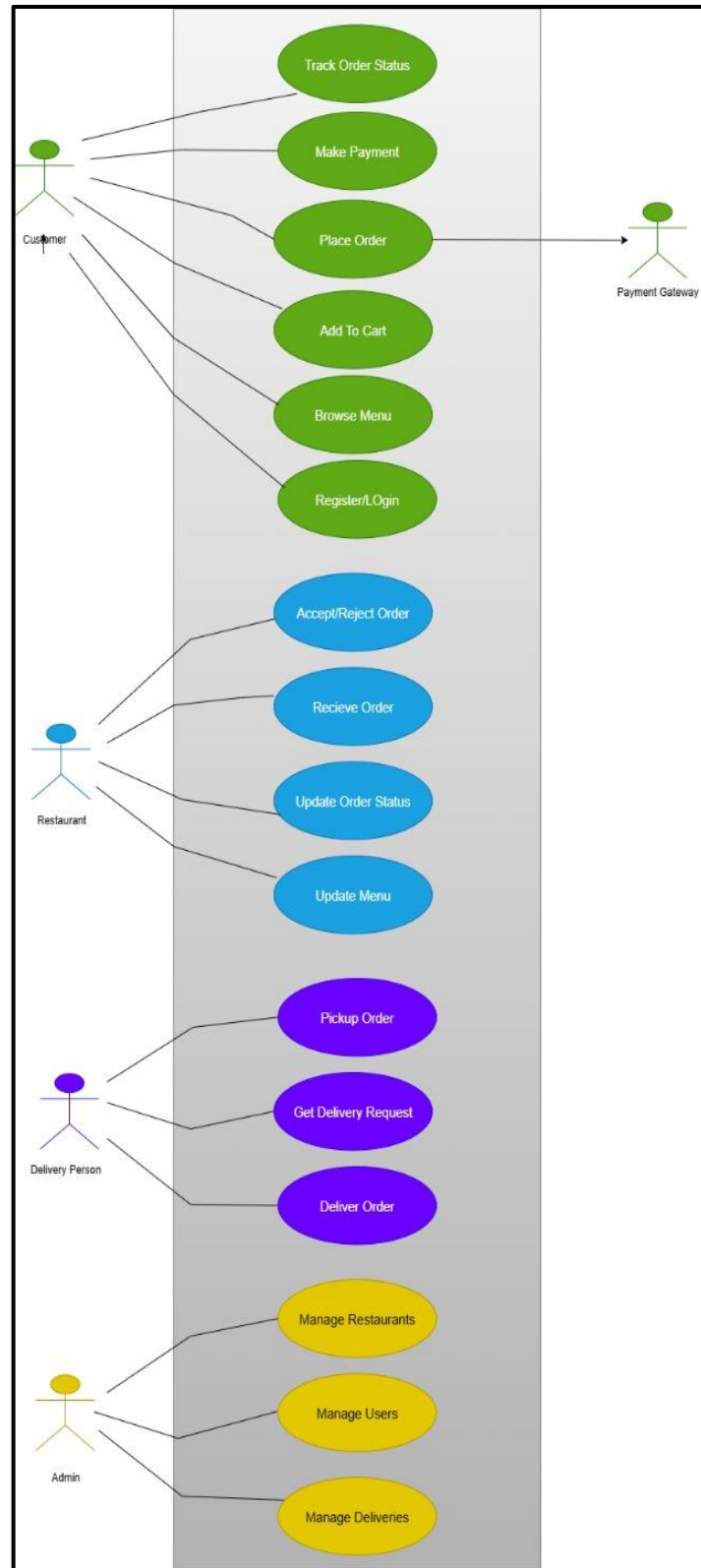
Flow Chart



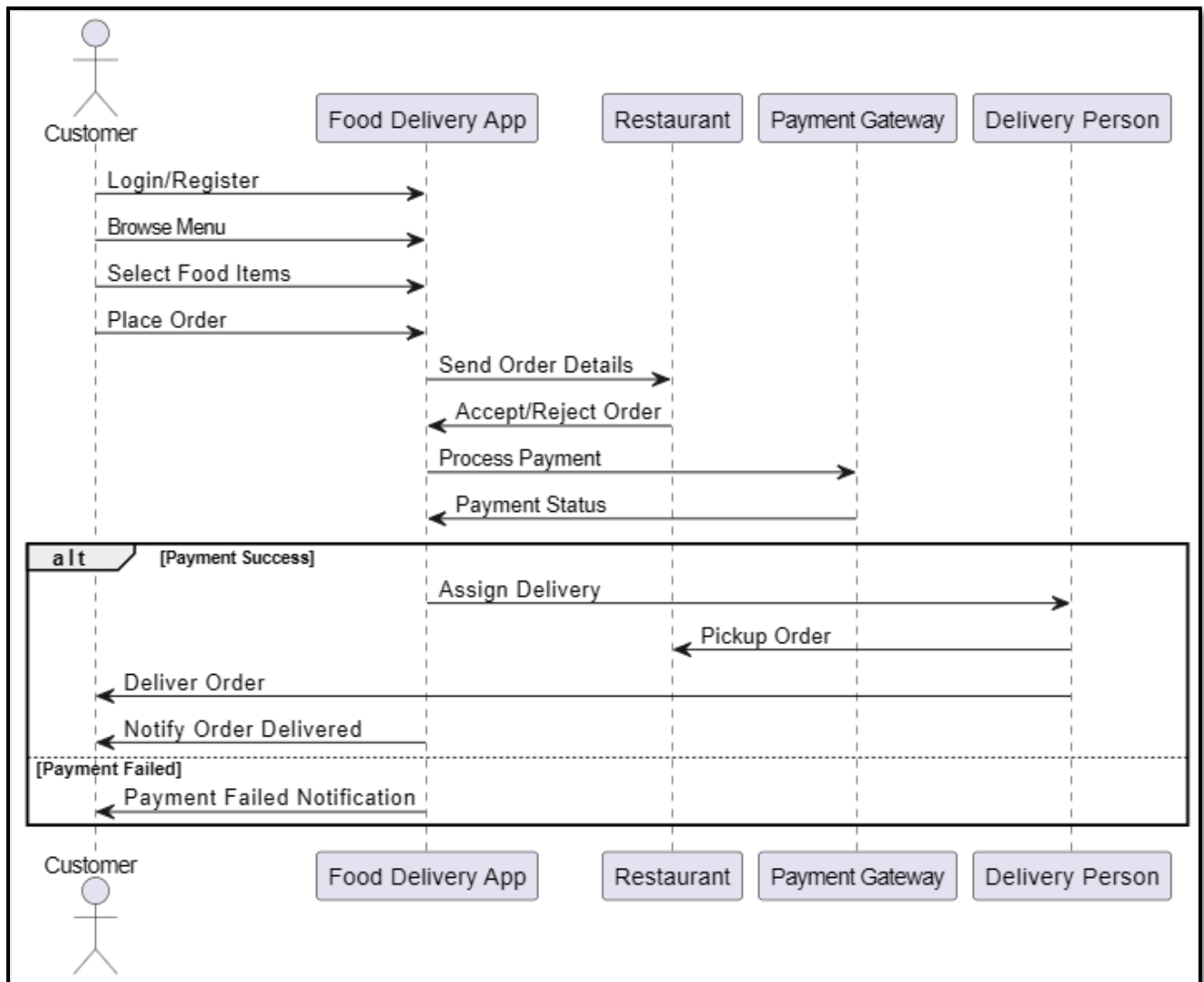
Data Flow Diagram



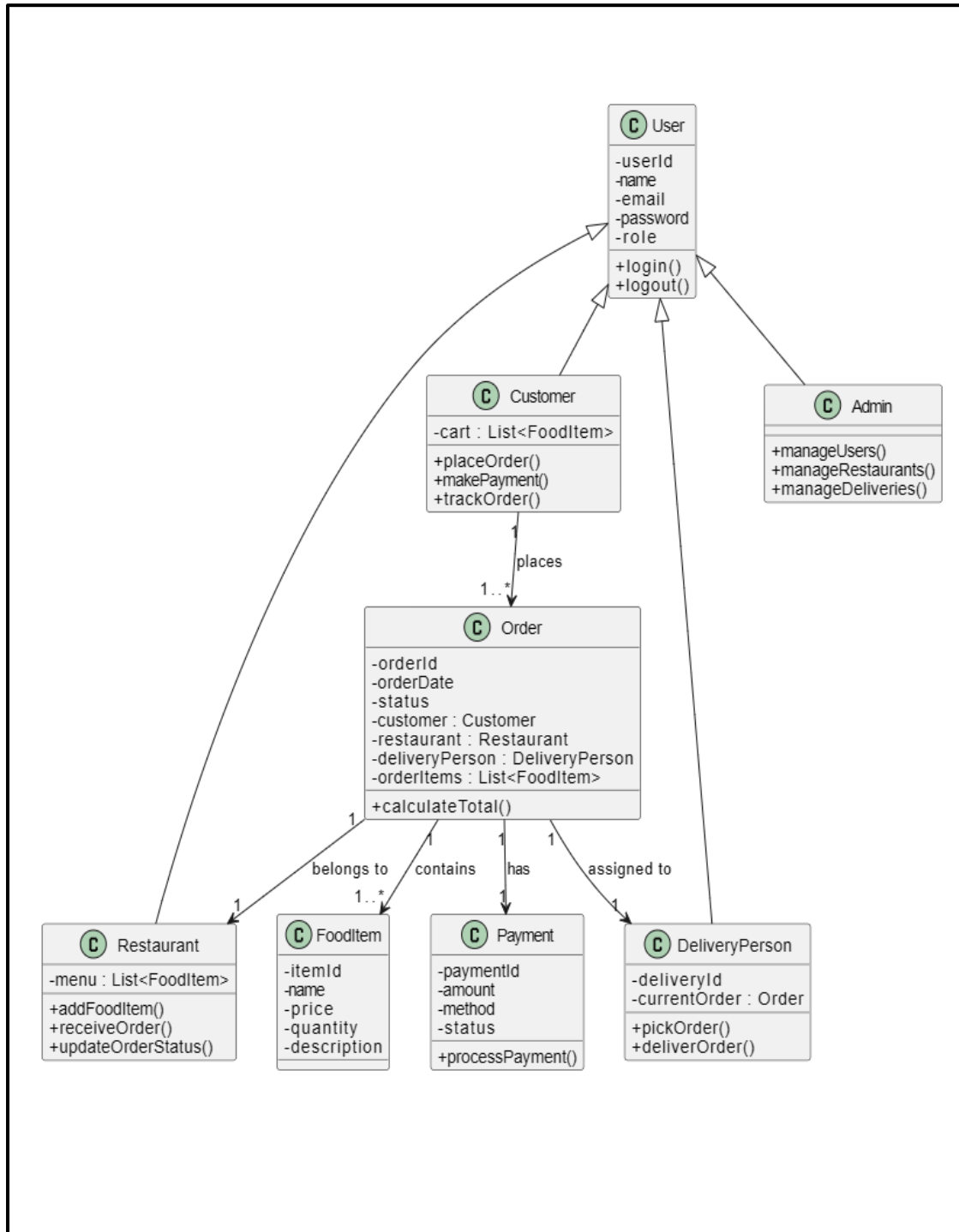
Use Case Diagram



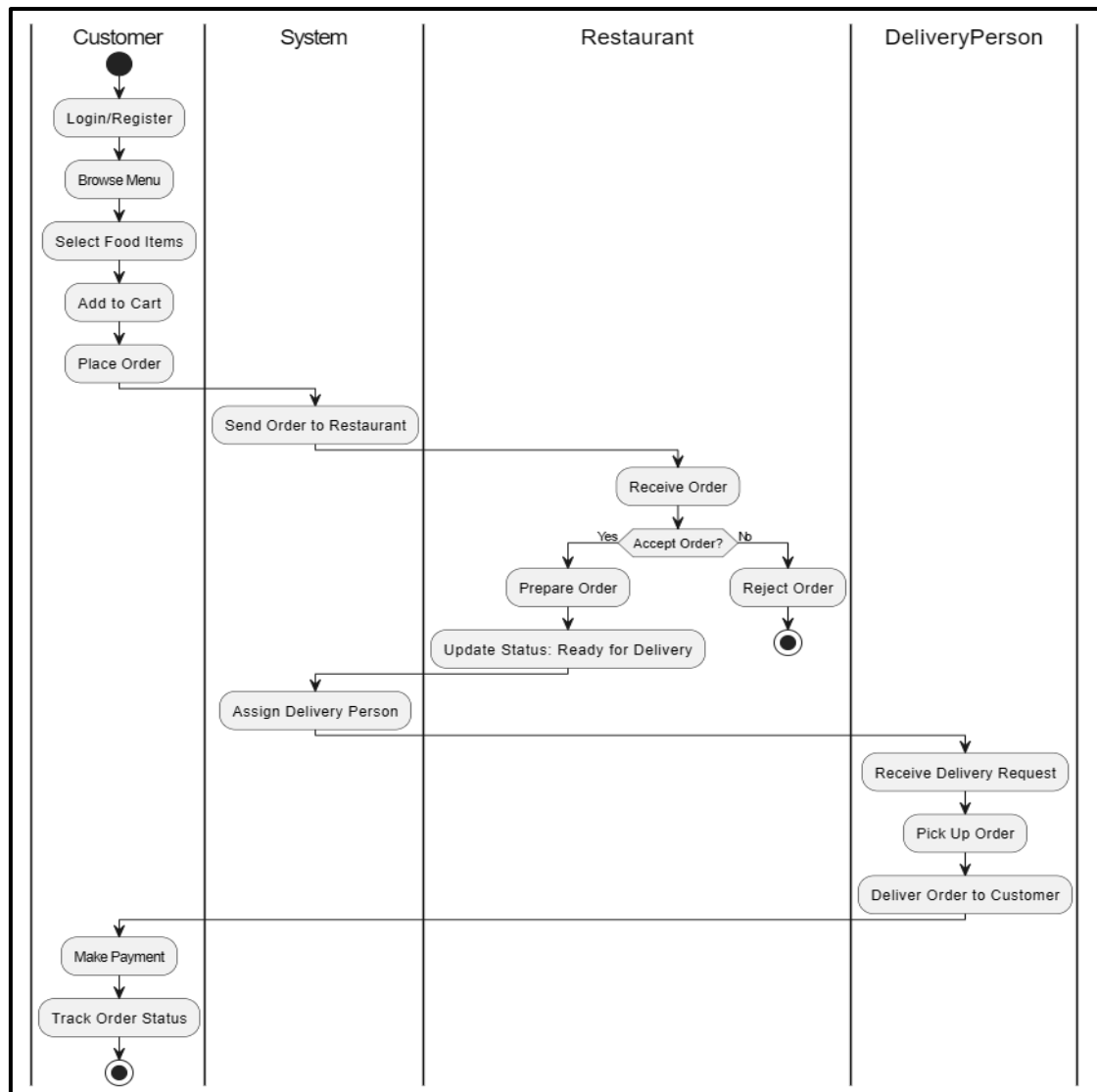
Sequential Diagram



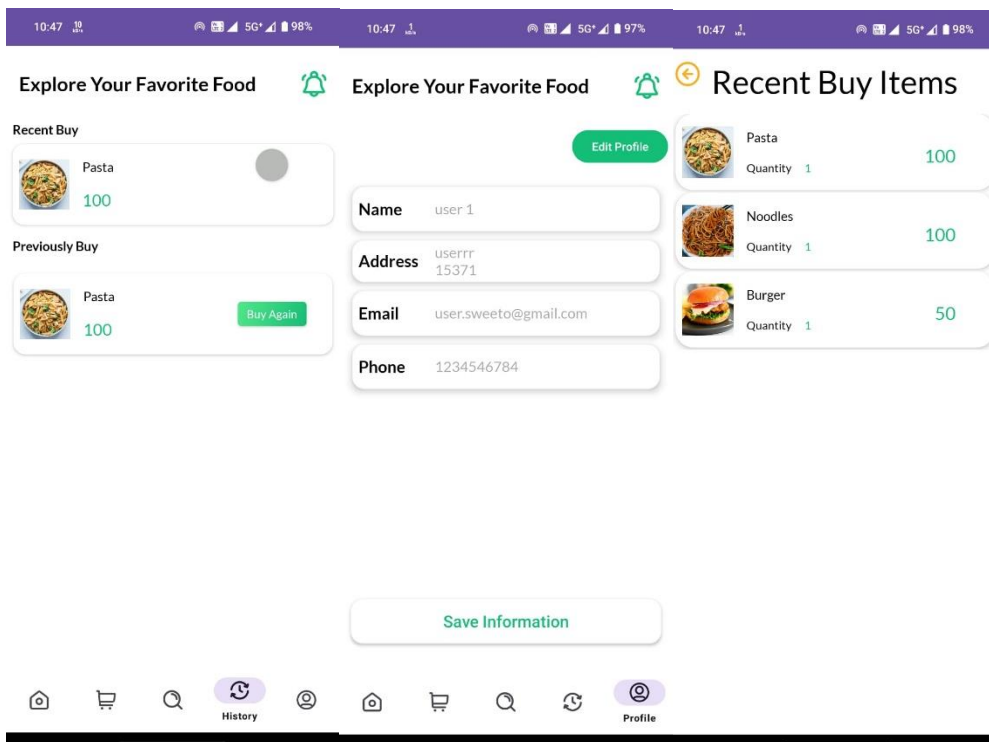
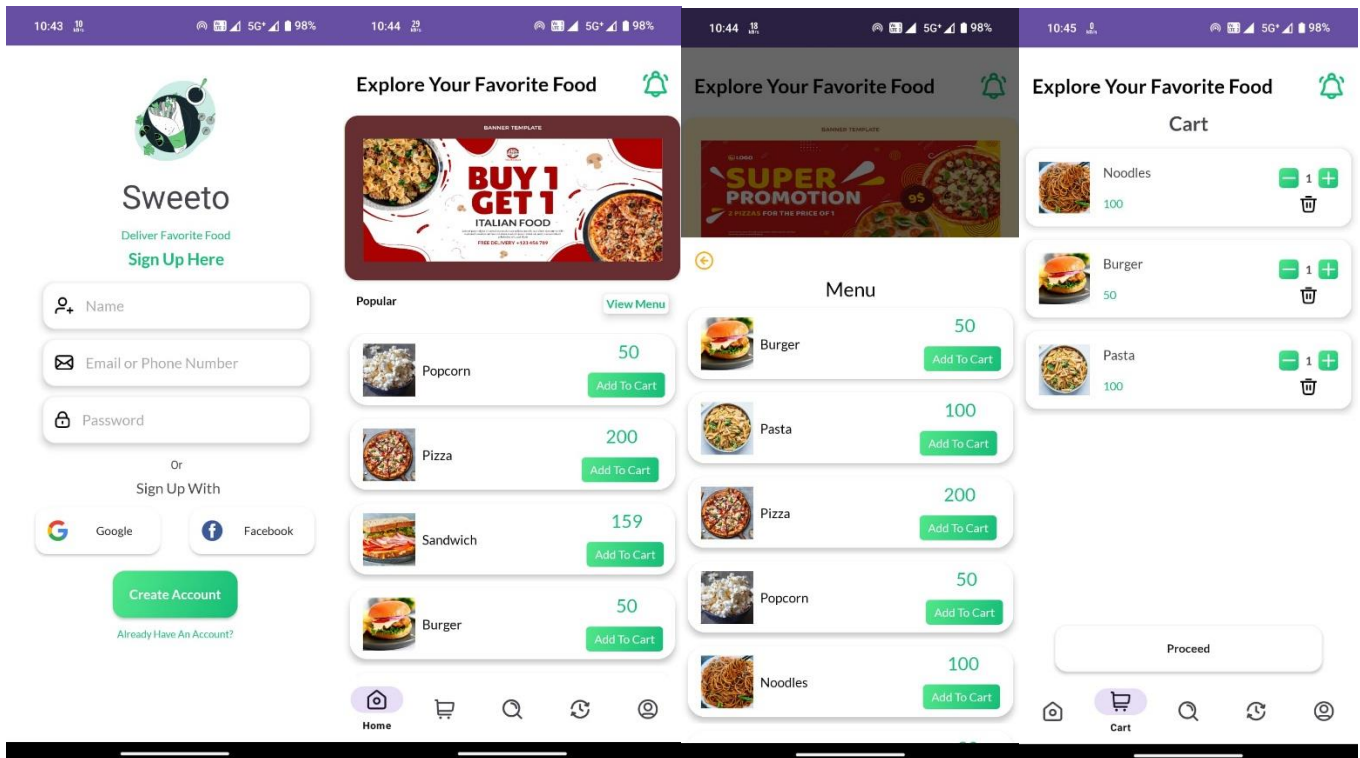
Class Diagram



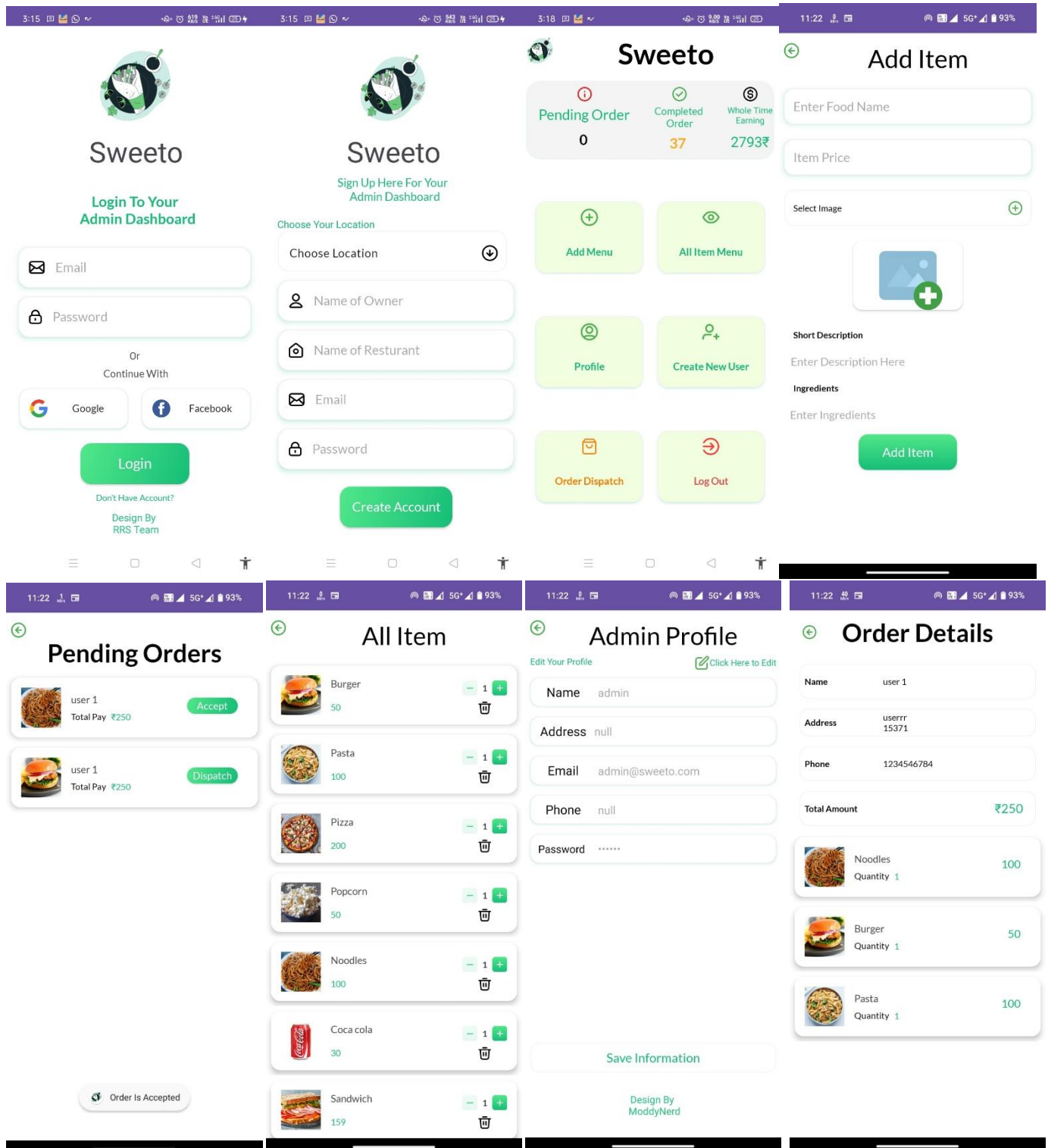
Activity Diagram



Design (USER)



Design (ADMIN)



SYSTEM TESTING

1. Functional Testing

Ensures that each function of the software operates in accordance with the requirement like CRUD operations.

2. Integration Testing

Tests the interaction between different modules like the GUI, database, and backend logic.

3. Validation Testing

Checks whether user inputs are properly validated.

4. Performance Testing

Ensures the system responds quickly and can handle operations efficiently.

5. Usability Testing

Checks whether the application is easy to use for non-technical users.

6. Security Testing

Tests whether data is secure and unauthorized access is prevented.

CONCLUSION

The Food Delivery App successfully provides a digital platform that connects customers, restaurants, and delivery personnel in a seamless manner. It simplifies the process of food ordering by offering features like **online ordering, secure payment, and real-time delivery tracking**. Restaurants benefit from efficient order management, while customers enjoy convenience and transparency.

This project demonstrates how software engineering concepts can be applied to solve real-world problems by integrating **user-friendly design, database management, and modular functionality**. In conclusion, the Food Delivery App offers an effective, reliable, and scalable solution for modern food ordering and delivery services.

LEARNING DURING PROJECT WORK

Working on FOOD DELIVERY APP project. We learning like app development skills in learned how to design and build GUI based applications using Android.

Also we learned how to perform CRUD operations through SQL queries.

We enhanced analytical skill while troubleshooting bugs and logic errors.

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