Project Title: Online Food Delivery System

Submitted By

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Department of Software Engineering

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Supervised by

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Associate Professor

Department of Software Engineering

Daffodil International University

This project has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering

APPROVAL

This project titled on "**Online Food Delivery System**", submitted by **Shuvro Das (ID: 183-35-2611)** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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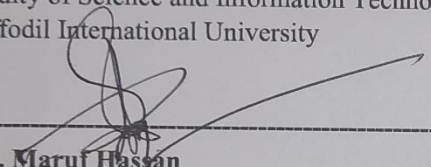

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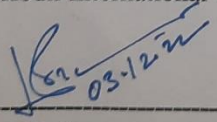


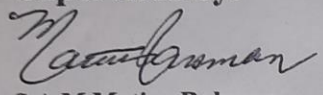
External Examiner

Dr. Md. Sazzadur Rahman
Associate Professor
Institute of Information Technology
Jahangirnagar University

DECLARATION

I hereby declare that, this project has been done by me under the supervision of S A M Matiur Rahman sir, Associate Professor Department of Software Engineering. And even I swear that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:



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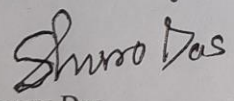
Department of Software Engineering

Daffodil International University

Submitted by:



Shuvro Das

ID: 183-35-2611

Batch: 27th

Department of Software Engineering

Daffodil International University

ACKNOWLEDGEMENT

First of all, I would like to thank my almighty creator and then I would like to thanks my parents because they gave me the courage to finish this work. In today's world there are lots of competition all those are for survival competition. And my project is a connection or bridge between theoretical or practical. I join to do this special project because I got very inspire from my teacher and I compelled to say that they are really helpful and careful.

I am compelled to talk about the opportunity of Daffodil International University. And I would like to sincerely thank Professor Dr. Imran Mahmud, Head of the department of Software Engineering. Full of all the respected teachers who enjoys teaching me an interesting and understandable way.

And I would like to provide special thanks to my supervisor Professor S A M Matiur Rahman Sir who guided me in many ways. He pointed out all the vulnerabilities of mine in the way of doing the project and even he is really a helpful person and his attitude is very positive. So eventually I can say that I very grateful to be student of Daffodil International University. The environ of this university helped me very much to finish my project.

ABSTRACT

This system will provide all kinds of food and their information. This system will help users in any situation and even “Online Food Delivery System” can provide healthy food to the user. In the early year’s people used to buy food manually but now the things have changed. They modernized their life’s that’s why they are literally depending on the internet. And the internet has become their part and parcel in their everyday life. And this system “Online Food Delivery System” can be more beneficial in every day in every period of time.

Table of Contents

CHAPTER 1: INTRODUCTION

1.1 Project Overview

The “Online Food Delivery System” is a system where people or user can order or purchase food easily. This food ordering system can make people’s life easier. In the early age people used to buy food manually but now this scenario is rare. In “Online Food Delivery System” there will be a food section which will be included soft drinks and many kinds of fast foods such as pizza, Burger, Hot dog etc. A user can log in the system with providing their specific email and password. After entering the system users can see the food menu on the screen. Then he/ users can buy their need food with providing their specific address and phone number. And even user can check their preorder list from the “Dashboard” section. After ordering food from the user, only admin can approve the order. If the specific order is approved, then the order will be delivered to that specific address of users. Then the payment will be completed by the users. So this is how the project will perform. And I think this will be the sophisticated system in this time.

1.2 Project Purpose

The purpose of my project or “Online Food Delivery System” is to serves users to buy any kinds of fast food from anywhere in our country. The main purpose of this service is to support customer and to makes their life easier. Users can take the advantage of this service from their home also and apart from this the system will provide many kinds of healthy food. User can order any food in this system and even they have the power to cancel the order from the system in the “Dashboard section.

Functionalities of the “Online Food Delivery System”

- This is an instant service for ordering any kinds of food
- User can order any food from the system and even they can cancel the request
- And the admin has the power to approve the user’s specific food orders and admin can cancel the order.

1.3 Background

In accordance many service providing system I tried to build this system or service “Online Food Delivery System”. I hope this will be the most sophisticated food delivery service ever build. In this system user and admin are both can order the system if they need. Apart from this the service is user friendly and ages people can use this service.

1.4 Benefits and Beneficiaries

This system can contribute people who are really hungry and in a difficult or unpleasant situation. The user can buy or order food if he does not have any option to cook any food by himself. So the beneficiaries will be more benefited.

1.5 Stakeholders

A stakeholder is a person who is directly and indirectly using the system or service. Or the person who is influenced by the system or the system is influenced by him, he is a stakeholder. In my system there will be two types of stake holders such as,

- User
- Admin

The user will be primary stakeholder because he is most influenced user of the system and the Admin will be secondary stakeholder.

1.6 Proposed System Model

I developed this system to make user friendly. In accordance of many services I have built an hypothetical architecture of my system.

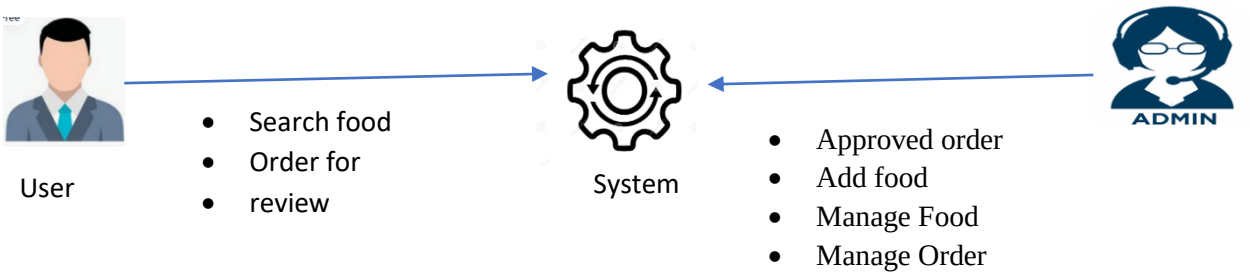


Figure 1.1: Proposed System Model

1.7 Modules of Service Assistance

Log in Module: This model is for user authentication

Registration Module: Registration module will control user movement in the system

Main Menu or Explore: This module will be included by food details and price etc.

Order Food Module: This module is built only for user while he will make an order. user can order food by providing his personal information.

1.8.1 Project Schedule

A project works depends on project schedule without project plan and project schedule a project can't be completed in a proper way. I have to complete my project works in a short time. And it is necessary to make the proper way of project schedule.

Task Or Activities	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13
Marketing Research													
Specifications													
Planning													
Design													
Development													
Testing													
Assessment													
Documentation													

Figure: 1.2 Gantt Chart

1.8.2 Release Plan and Milestone

Project release plan and milestone given below

Activities	Duration in week	Total week
Research	W1, W2	2
Specification	W2, W3	2
Planning	W3,W4,W5	3
Design	W5,W6,W7	3
Development	W6,W7,W8,W9	4
Testing	W9, W10	2
Assessment	W10, W11	2
Documentation	W11, W12	2
Software Release	W13	1

Figure 1.3: Release plan and Milestone

1.9 Objective

The main objectives of this project is to serve people with all kinds of food. And in future this project can be more efficient and perfect. And this is the perfect example of food delivery system.

- **Practically:** The software will be easy to user and there will be no thread on this system such as malware and Trojan.
- **Efficiency:** The system has accuracy and have no bug or error.
- **Cost:** The total cost of this project will be in the budget. Because everyone can use this service and.
- **Security:** The security of this project will in robust. That's why no one can harm this service.

CHAPTER 2 REQUIREMENT ENGINEERING

2.1 Functional Requirements

Functional Requirements means all the components that will be implemented on the project. The system what actually do all are done by the functional requirements.

The functional requirements are given below

- Registration
- Login
- Main menu/ Explore
- Food Detail
- Order Food
- Food Delivery
- Payment
- Manage all orders
- Add a Products
- Manage Products
- Dashboard
- Review
- Edit orders
- Log out

2.1 Non-Functional Requirements

Nonfunctional requirements that define how the system perform. And it defines the quality attributes of a system.

These are the non-functional requirements are given below

- Performance
- Quality
- Stability
- Authority
- Response Time
- Reliability

CHAPTER 3: SYSTEM ANALYSIS, DESIGN & SPECIFICATION

3.1 Development Model

In order to develop my project, I have chosen iterative enhancement model. Because there are many advantage of this model. In this model a parallel development can plan. All the risk will be identifying and will be solved during iteration. Testing and debugging will be easy during smaller iteration. This iteration is good to be implemented and even small error can be found.

This iteration model is combined by waterfall model and it allows several iterations in the development process.

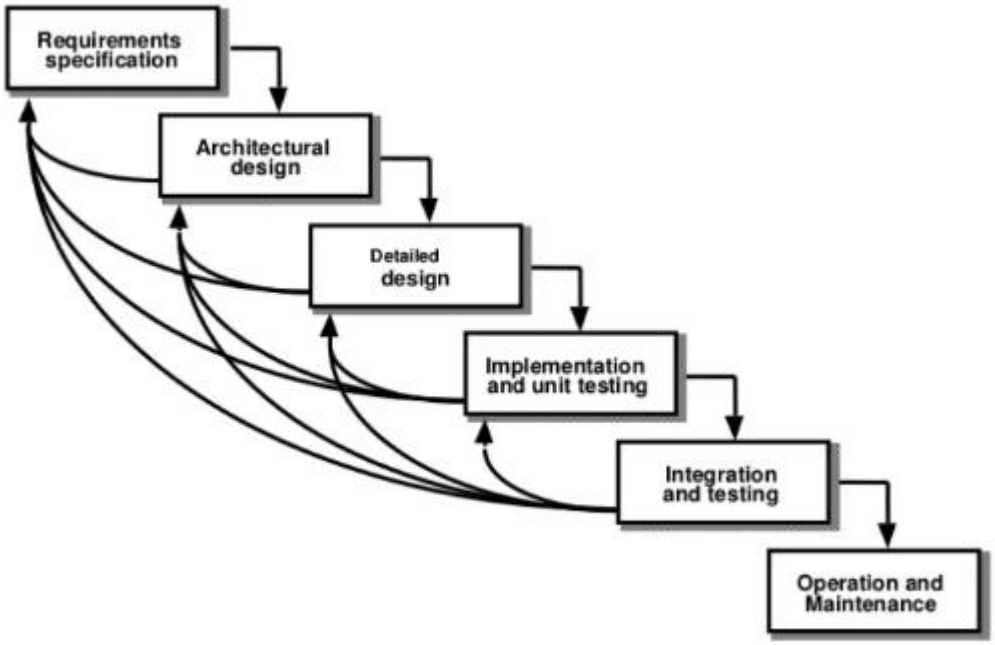


Figure 3.1: Iteration Enhancement Model

3.2 Use Case Diagram

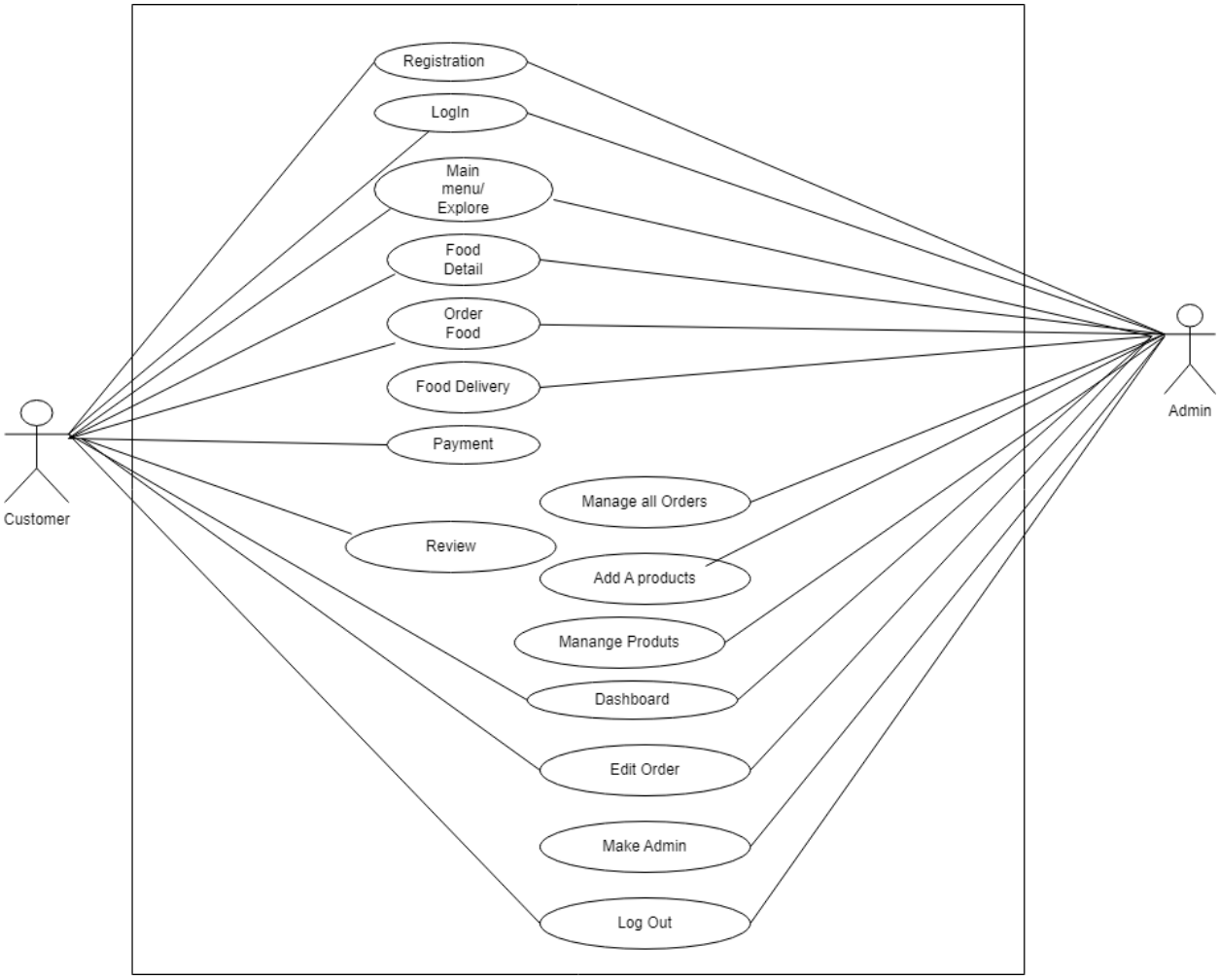


Figure 3.2: Use Case Diagram for “Online food Delivery”

Use Case Description

3.2.1 Registration

Description	This module will provide a form. On that form user will put their personal information. Then the user can enter onto the system

3.2.2 Login

Description	By providing user's personal information such as email and password user can enter into the system. So this login module is act like this

3.2.3 Main Menu/Explore

Description	In this module user can find their need food.

3.2.4 Food Details

Description	This module will be used while user wants to check food details from the main menu.

3.2.5 Order Food

Description	Order food module will be used when users wants to buy or purchase any food. Users can orders food with providing their personal information

3.2.6 Food delivery

Description	Users or customer can get food while the Admin confirmed or approved their order. Then the food will be delivered

3.2.7 Payment

Description	User can make payment after confirmed their order.

3.2.8 Review

Description	Only user can review the website.

3.2.9 Manage All Order

Description	Only admin can manage all orders. Admin can delete the orders or approved

3.2.10 Add a product

Description	By providing food information admin can add food in the food list. And users can see their food.

3.2.11 Manage products

Description	Only admin can manage products

3.2.12 Dashboard

Description	In this module user and admin can check food details and dashboard

3.2.13 Edit Order

Description	User and admin can edit their order

3.2.14 Make an Admin

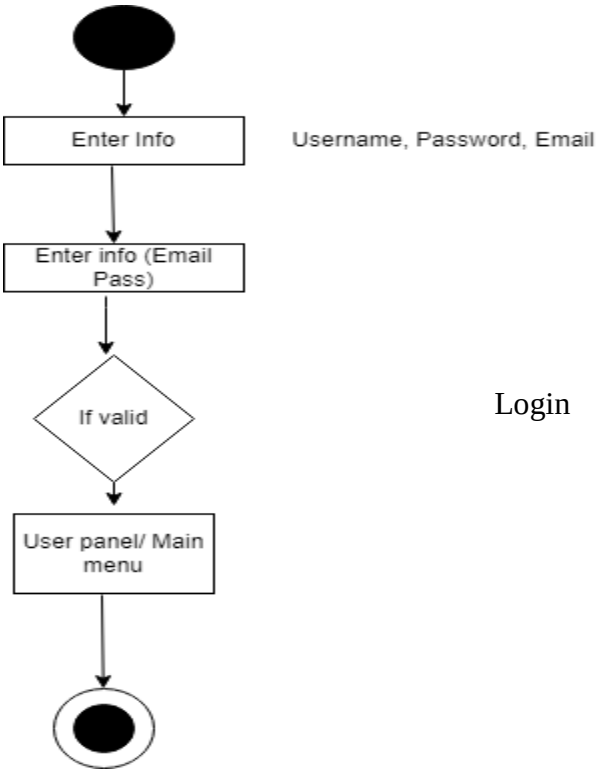
Description	By using this module only an admin can make an user.

3.2.15 Log Out

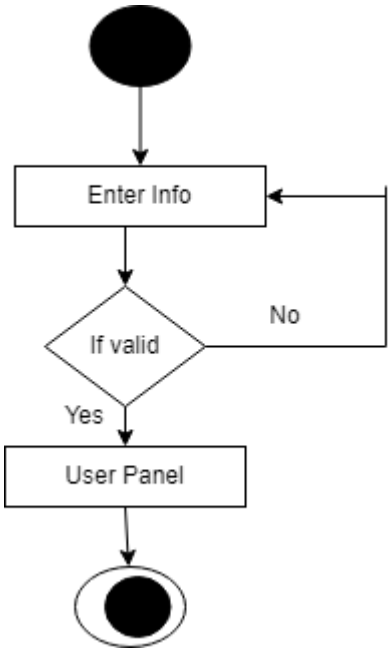
Description	This module is used for log out from the system. Even user and admin both can use this system

3.3 Activity Diagram

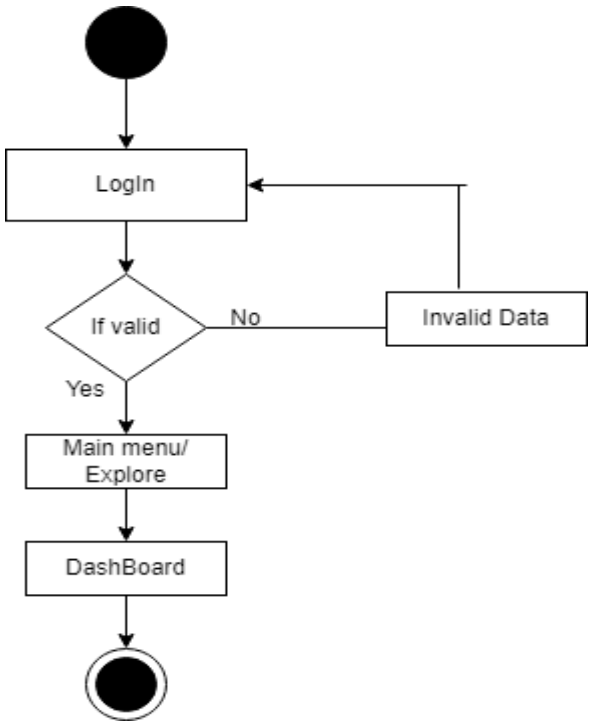
Registration



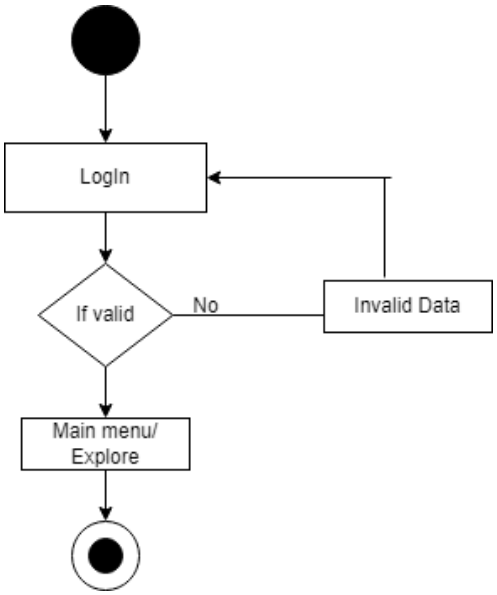
Login



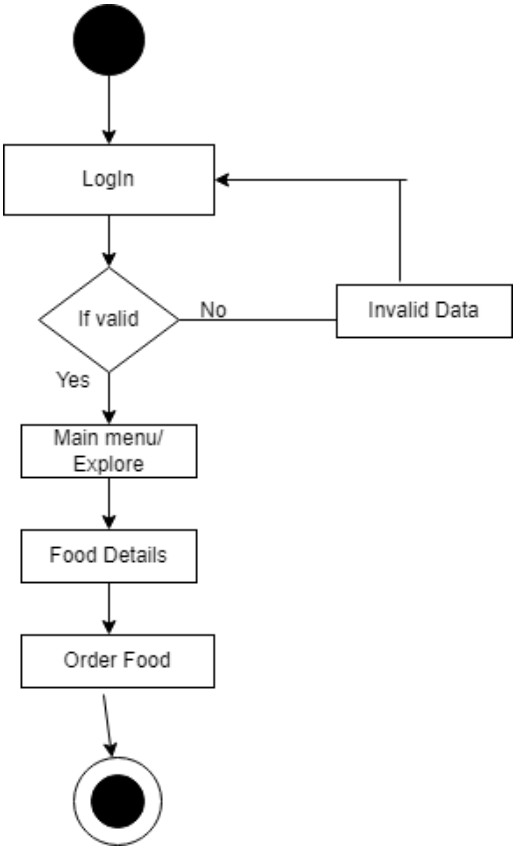
Dashboard



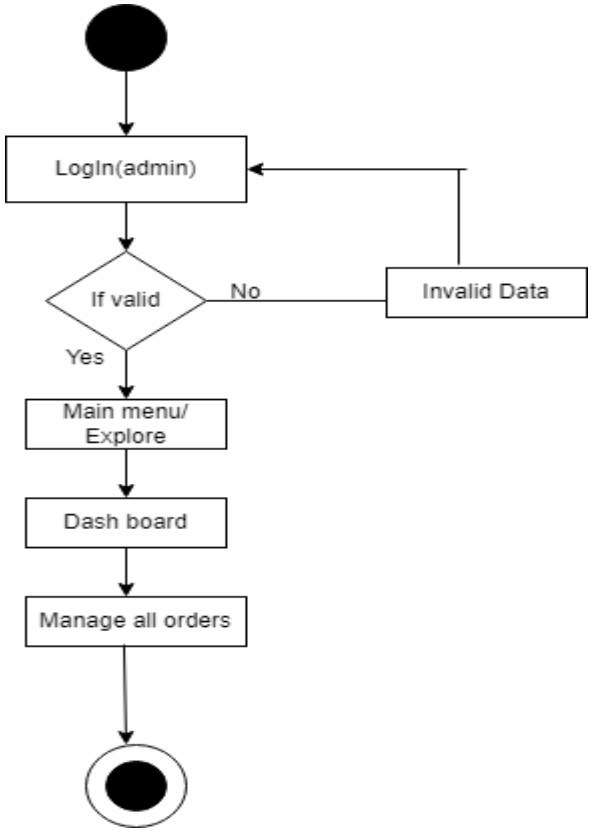
Main menu



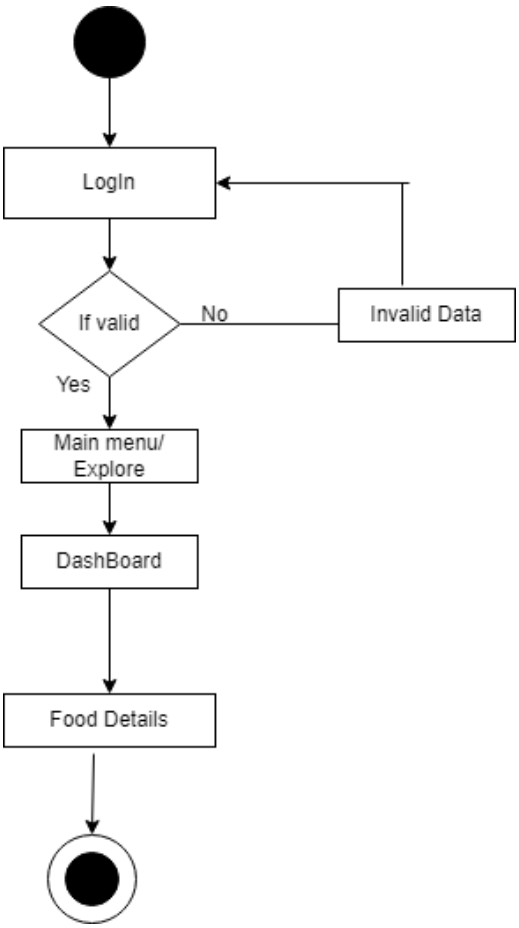
Order Food



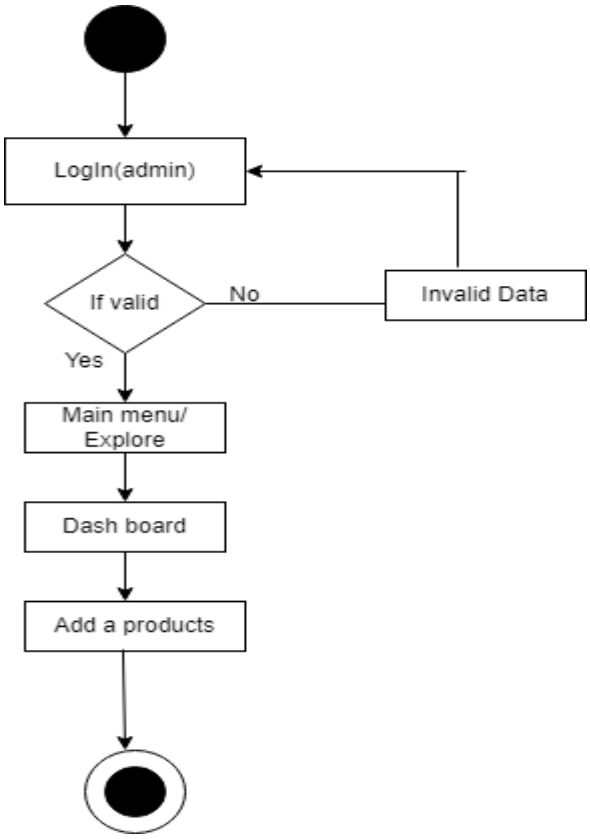
Manage all Orders



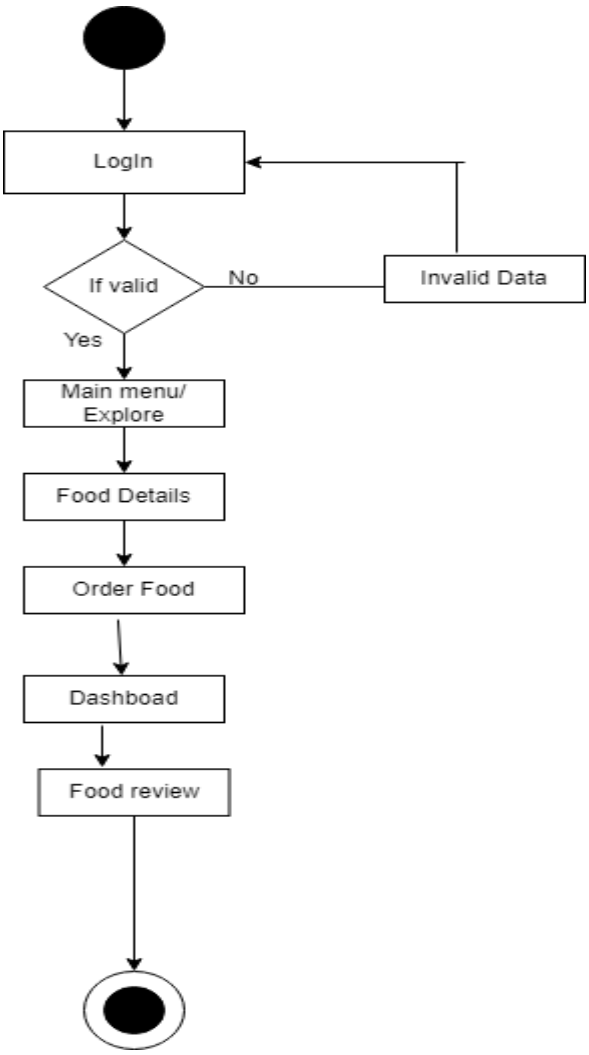
Food Details



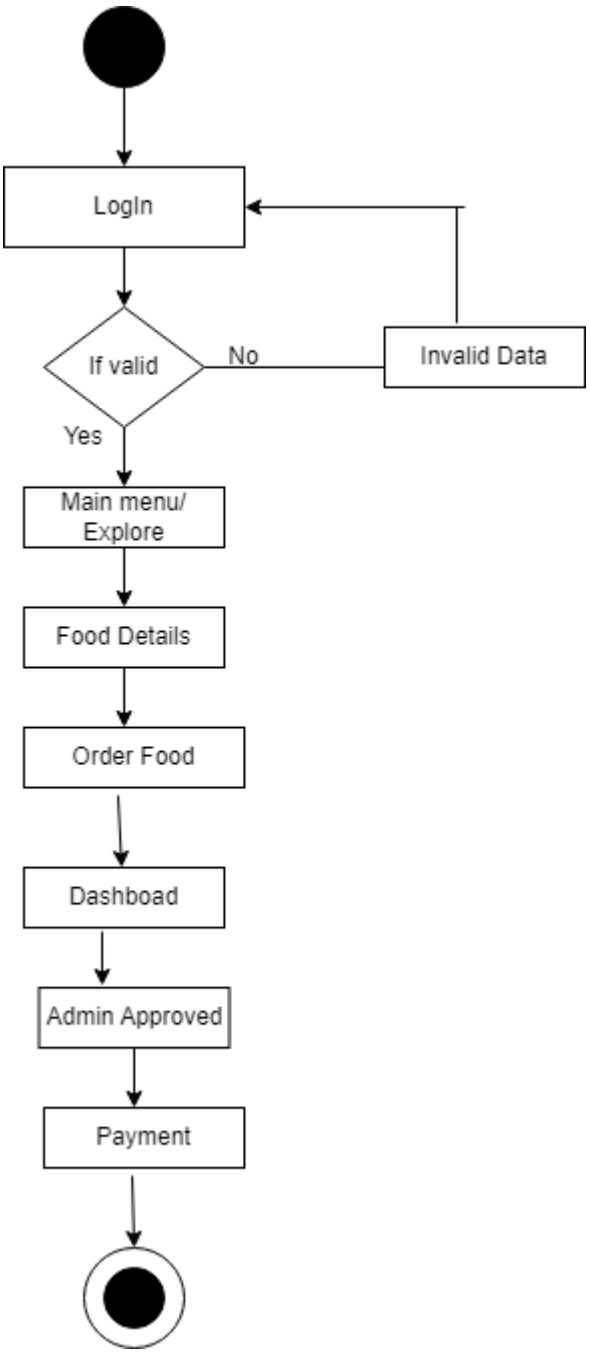
Add A Products



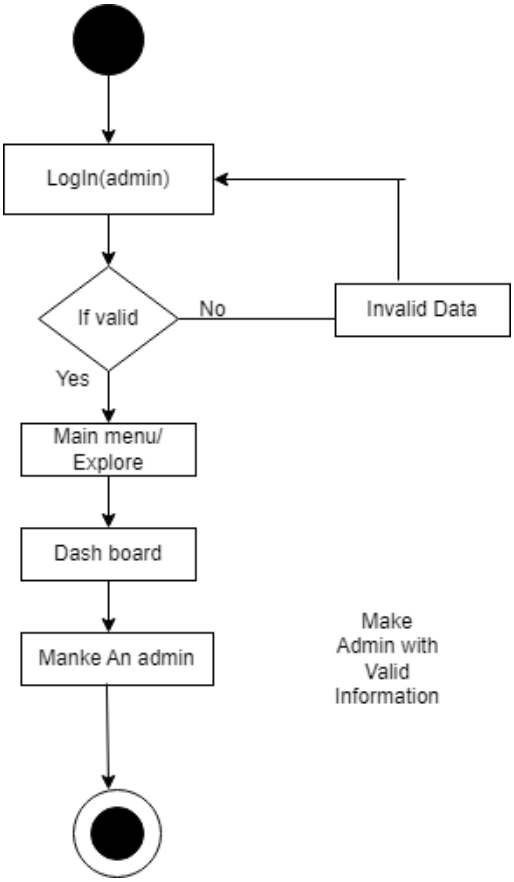
Food Review



Payment

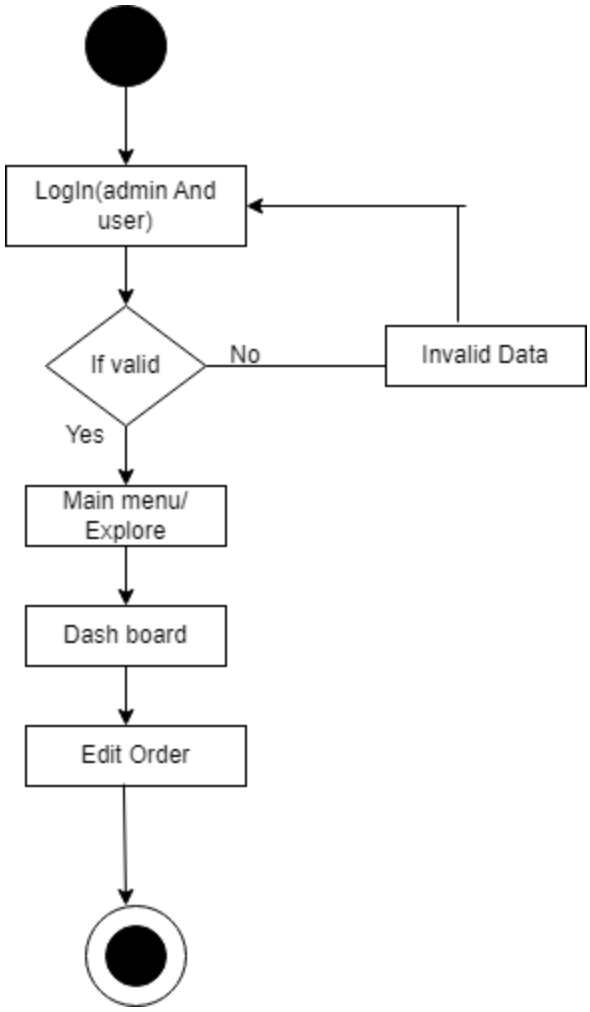


Make an Admin

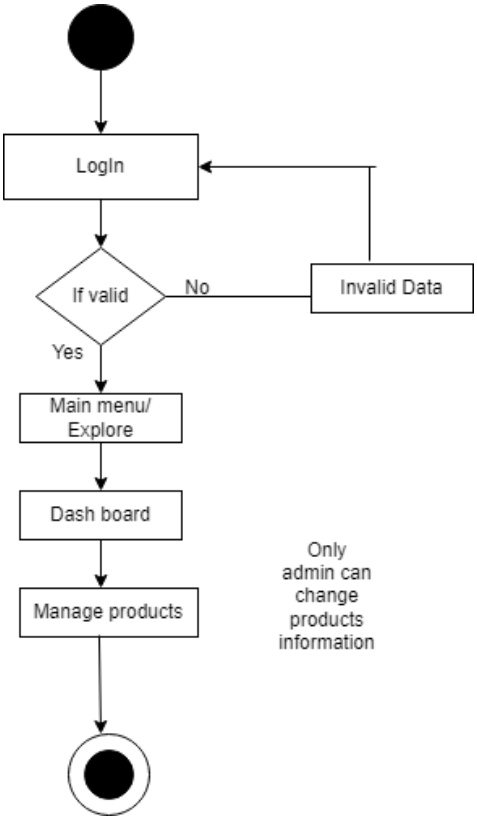


Make Admin with Valid Information

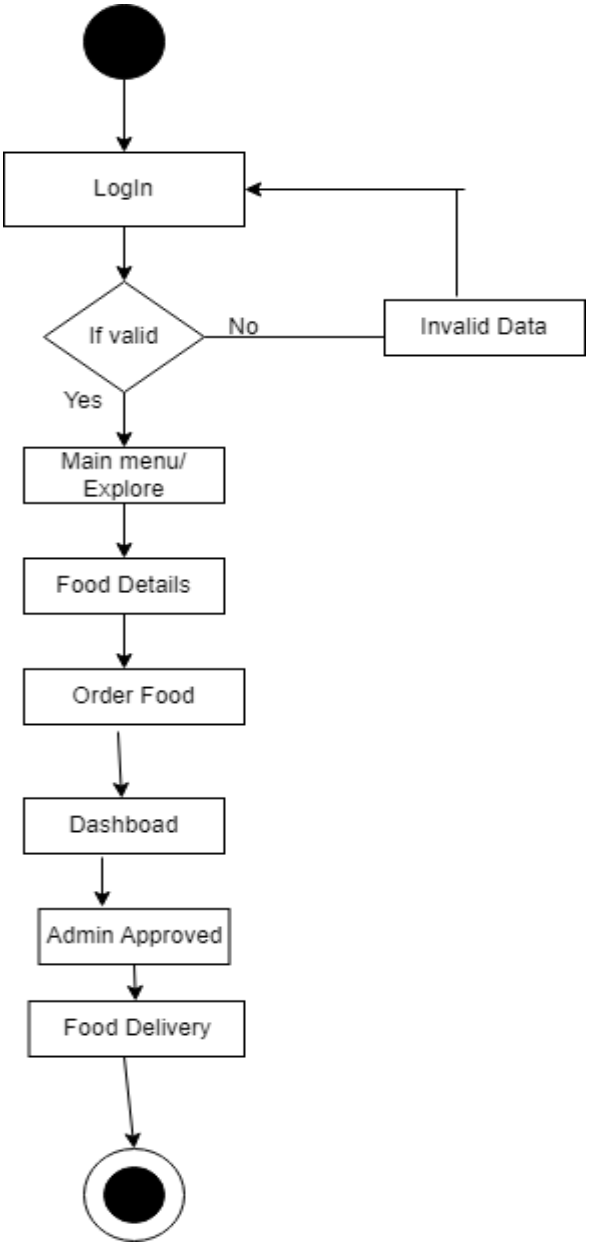
Edit Order



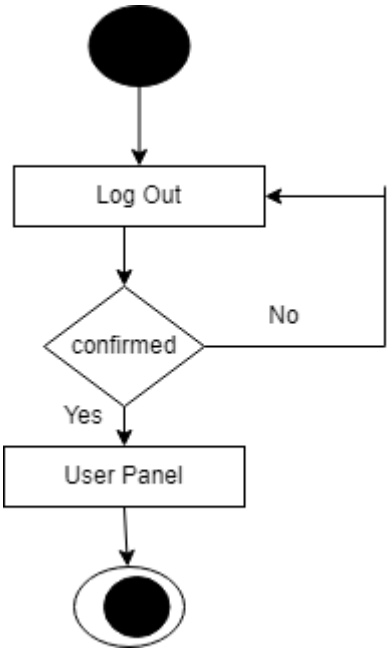
Manage Products



Food Delivery

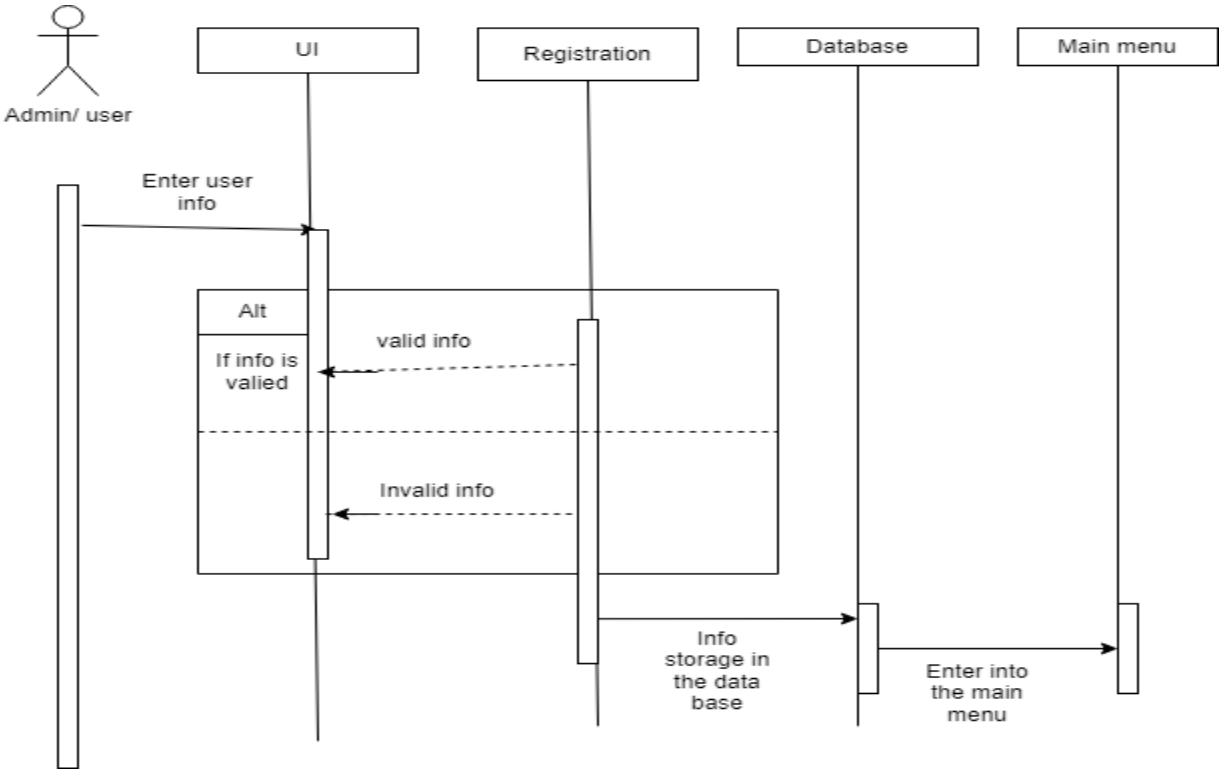


Log Out

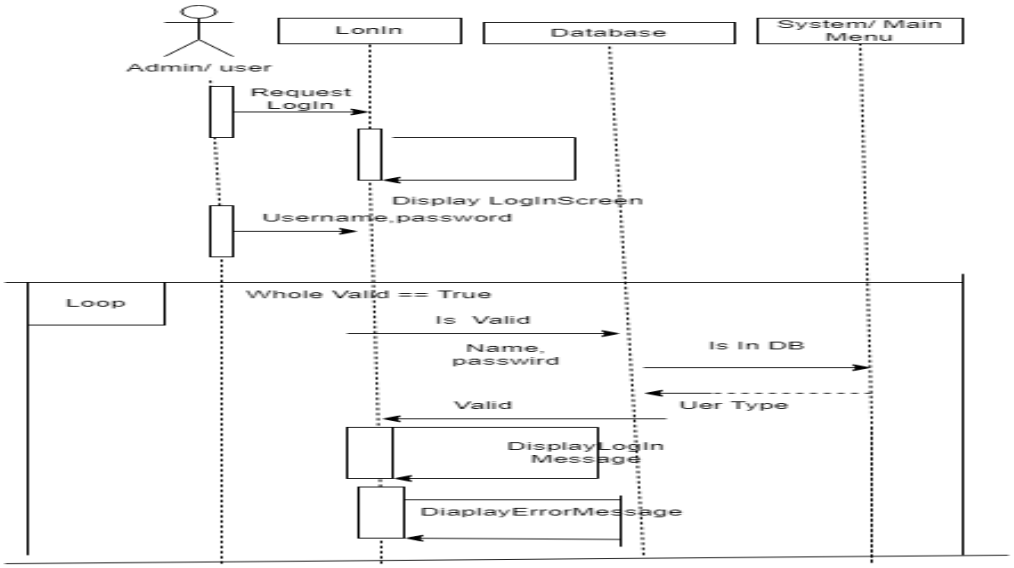


3.4 Sequence Diagram

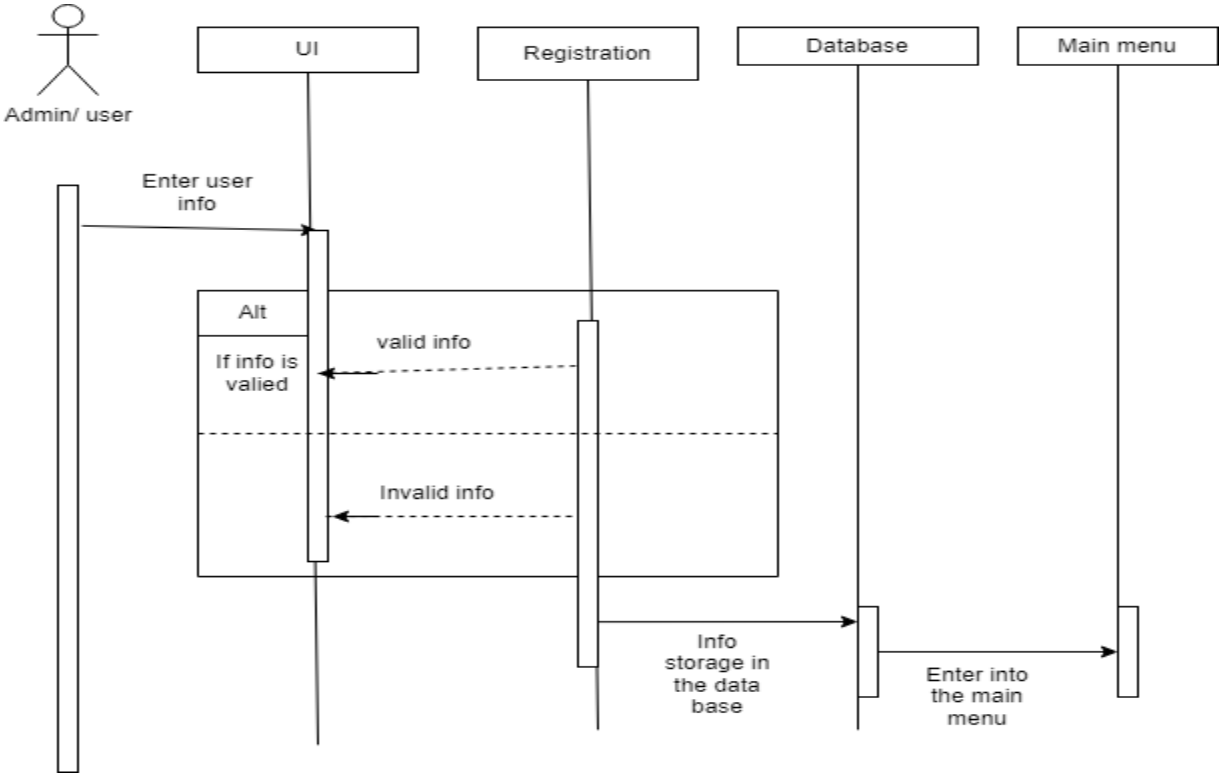
Registration



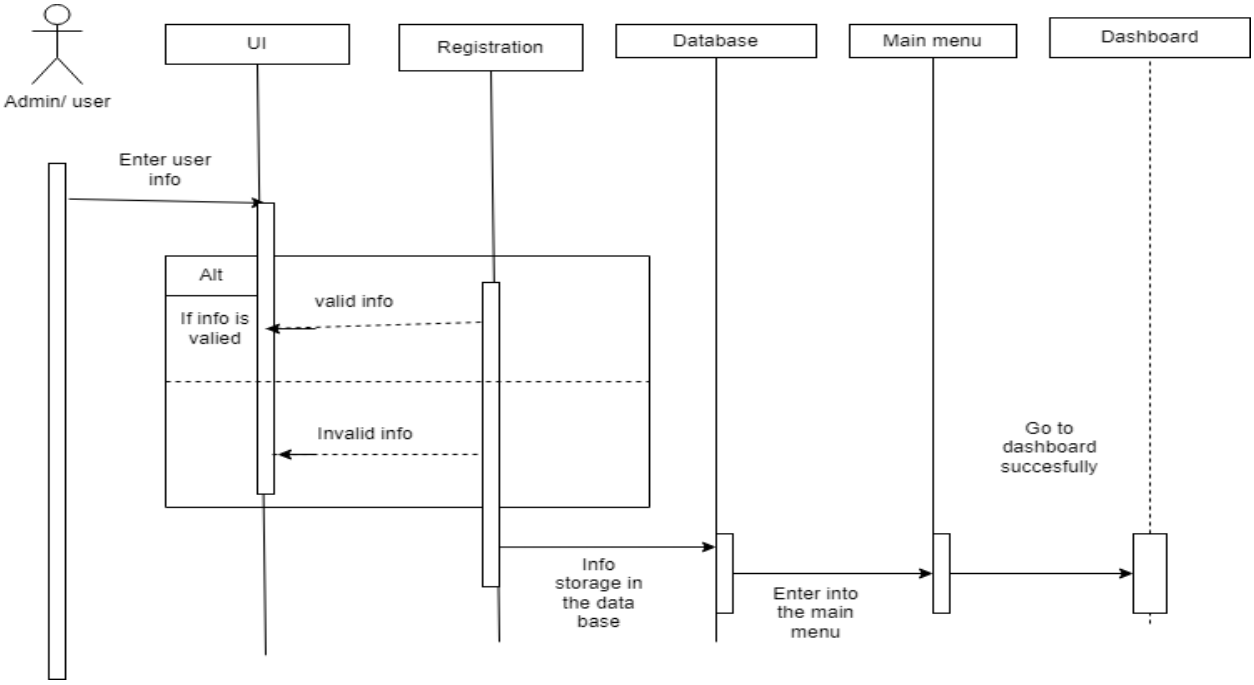
Log In



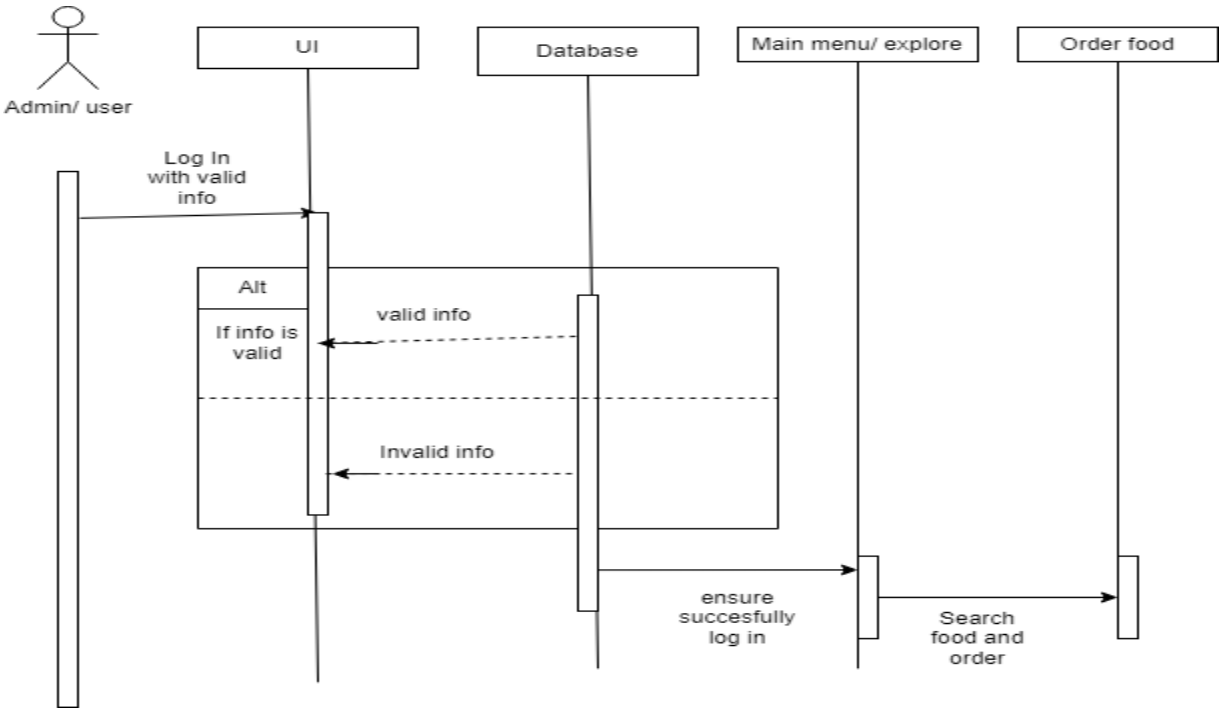
Main Menu



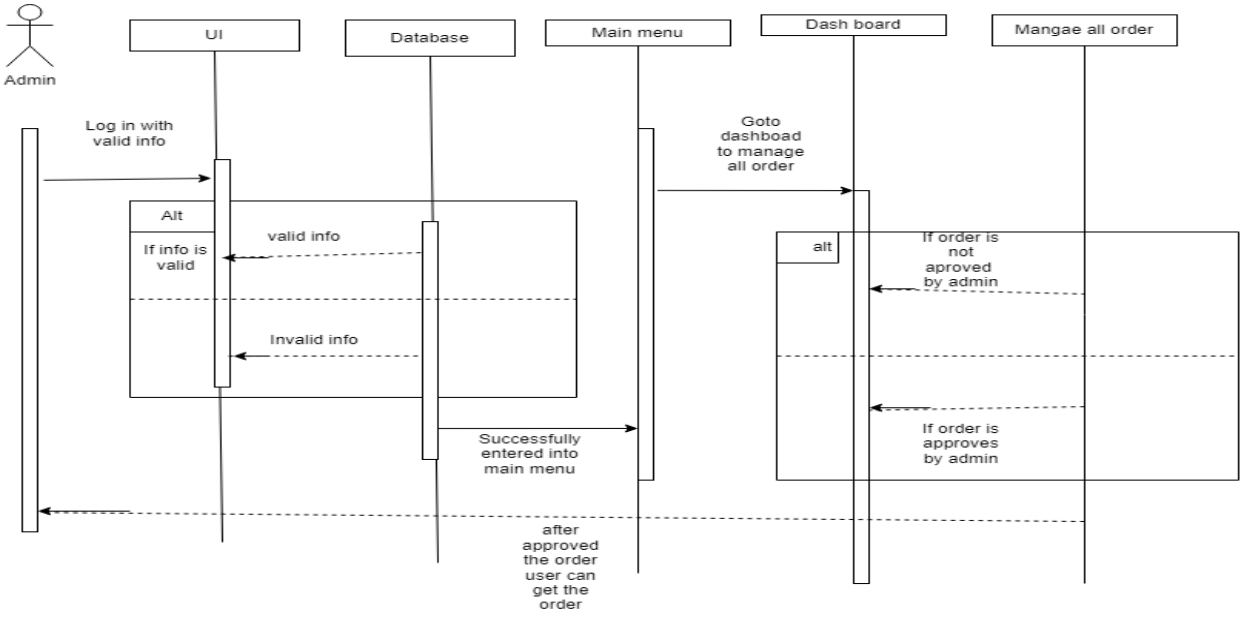
Dashboard



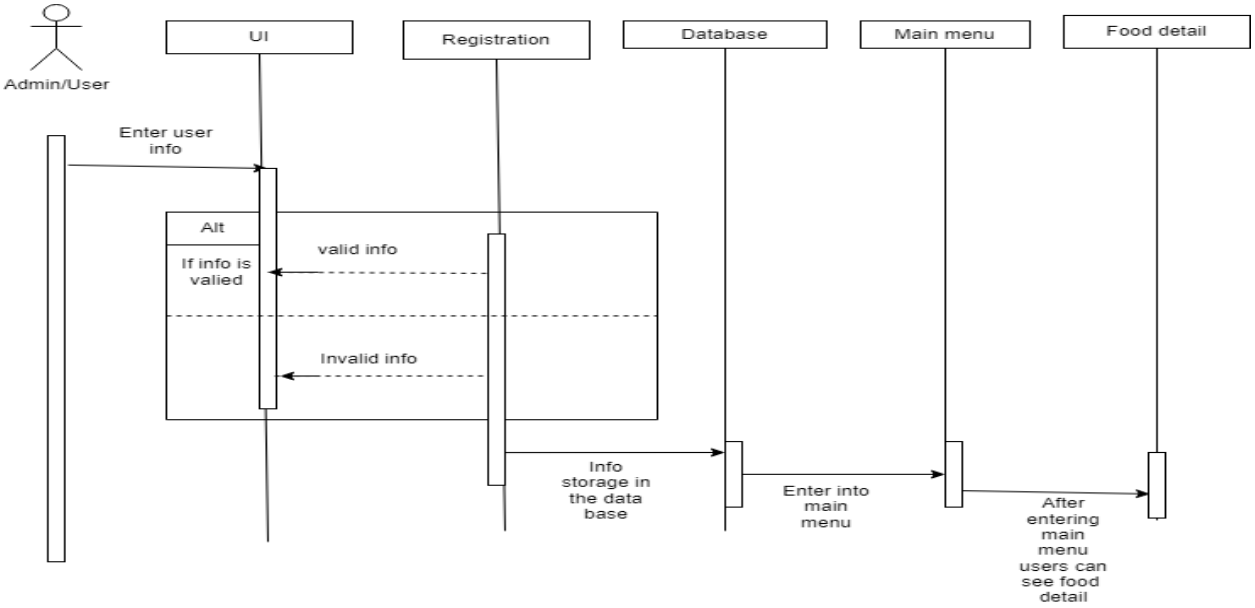
Order Food



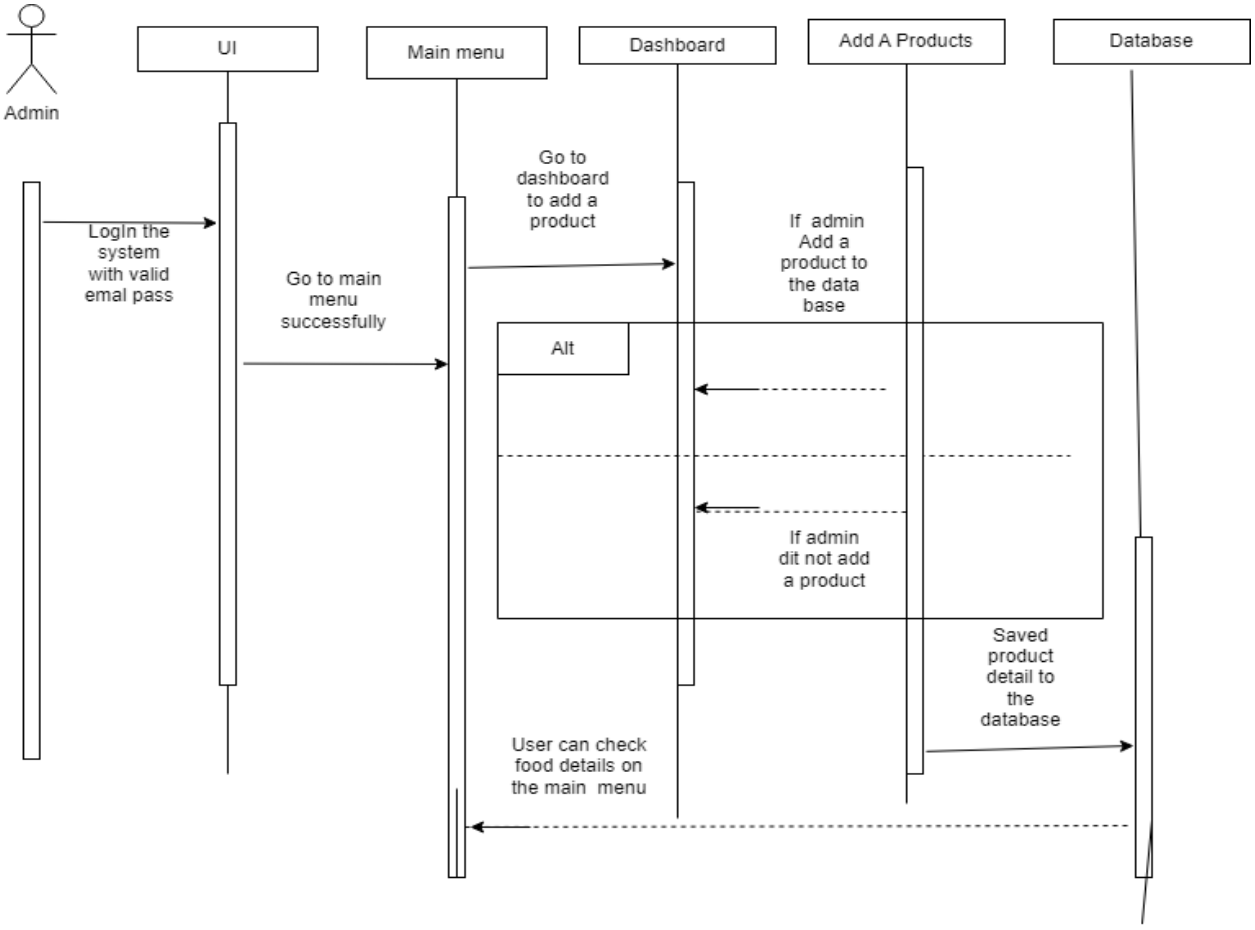
Manage All Orders



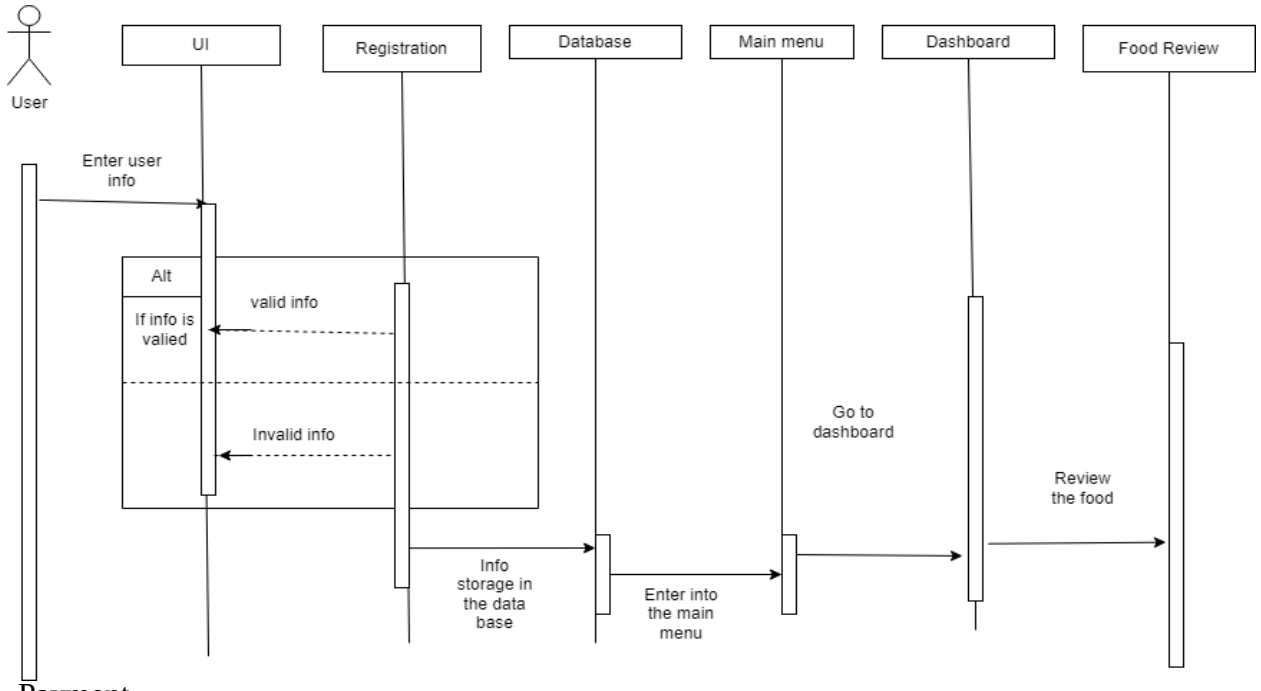
Food Details



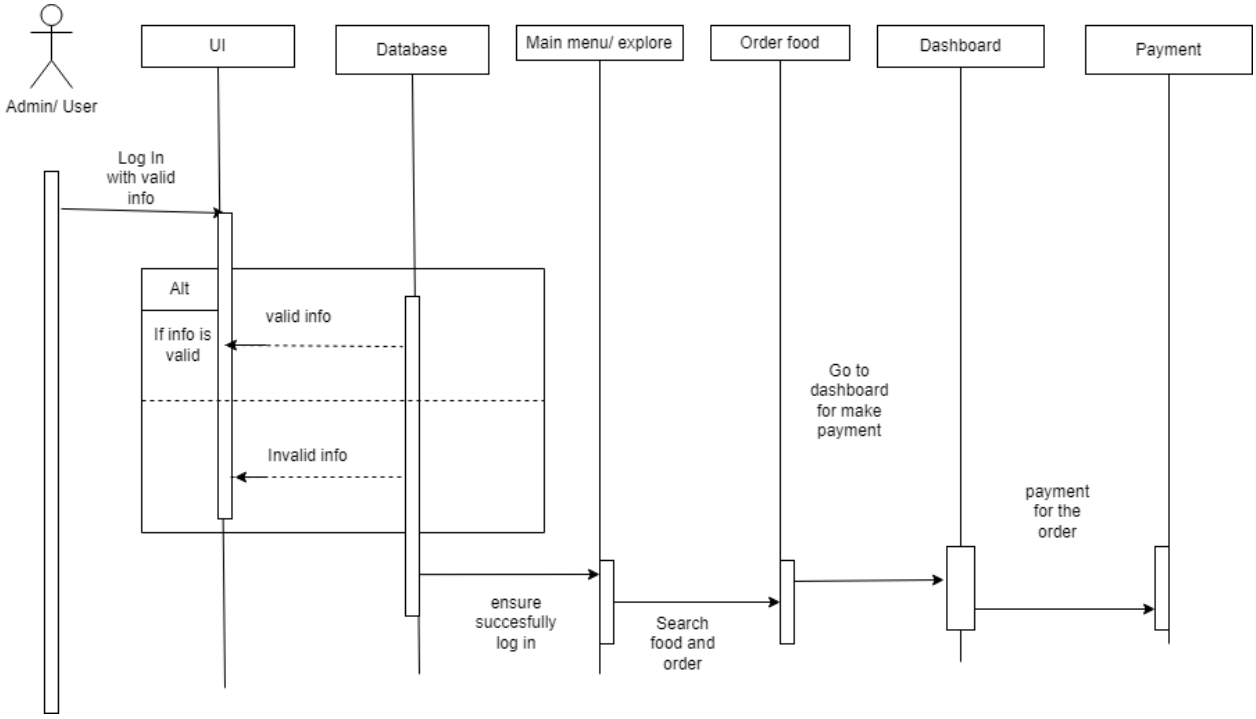
Add a Products



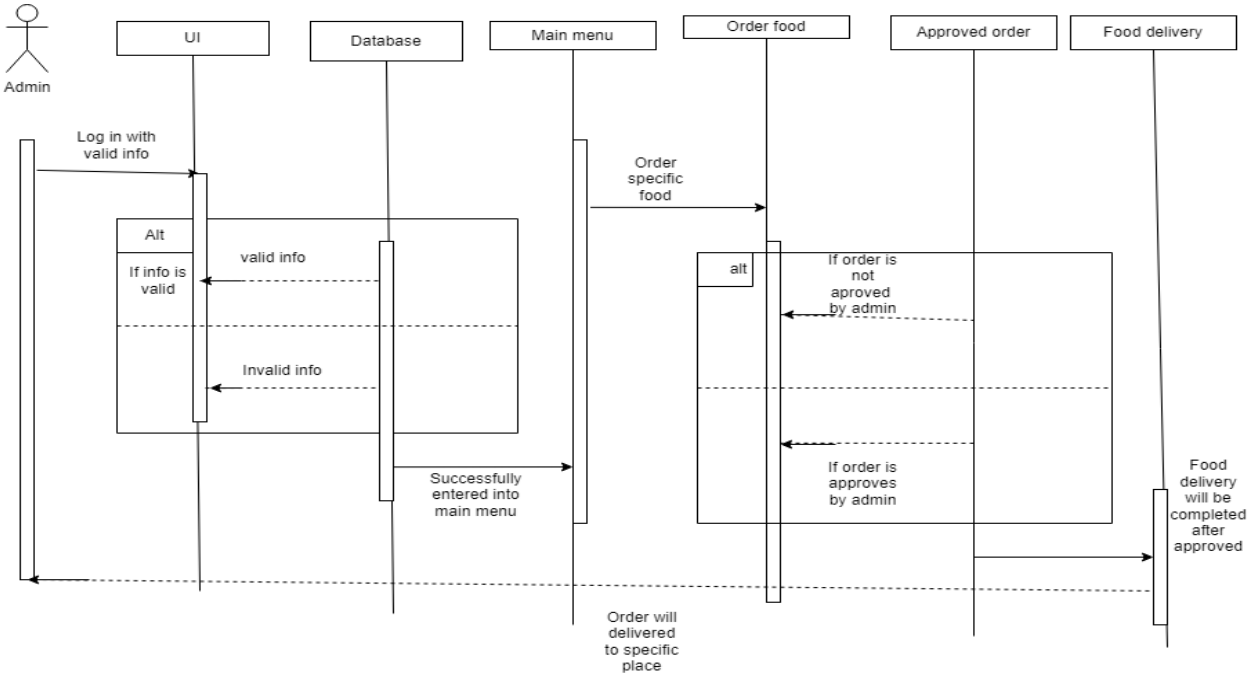
Food Review



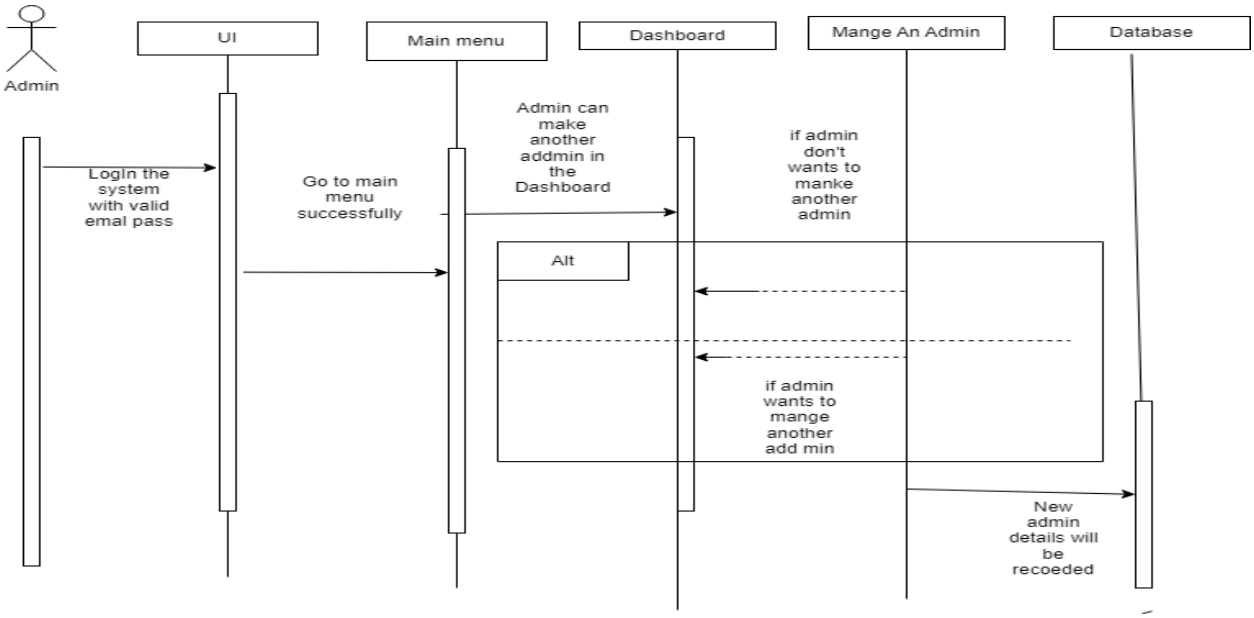
Payment



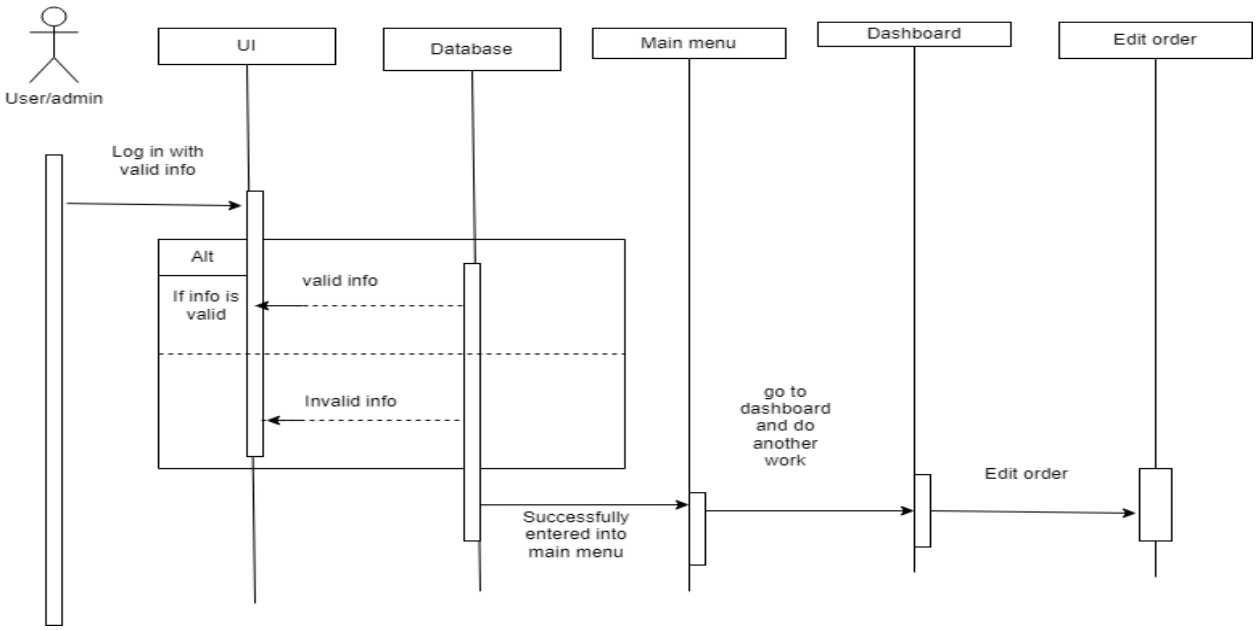
Food Delivery



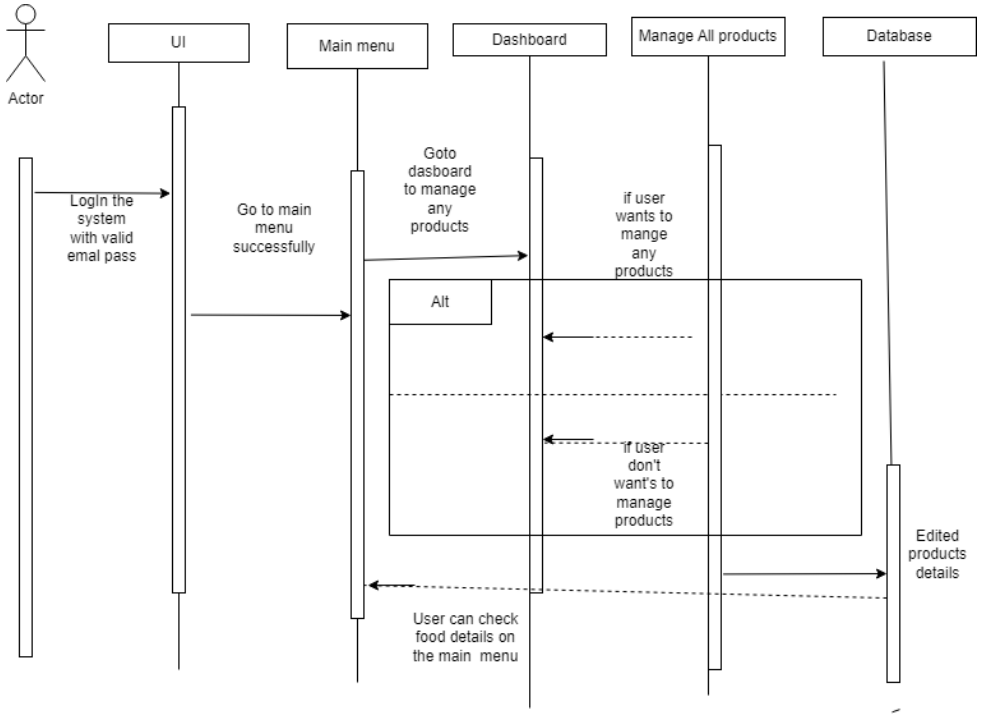
Make an Admin



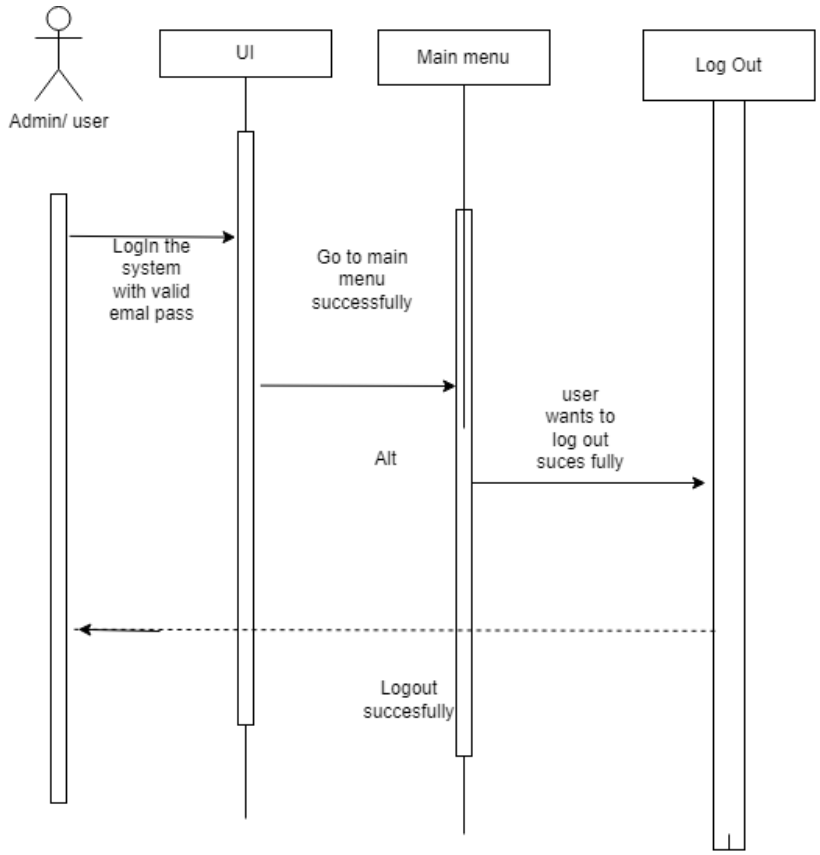
Edit Orders



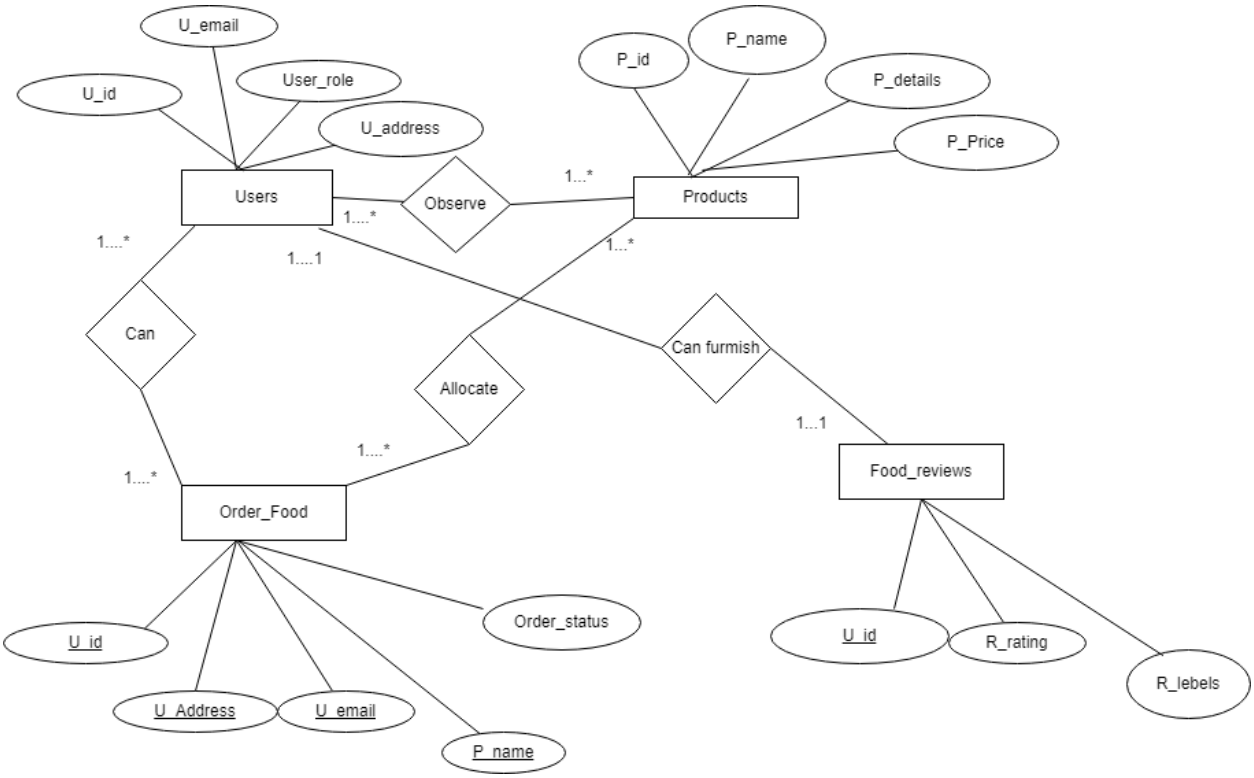
Manage Products



Log Out



3.5 Entity Relationship Diagram



CHAPTER 4: SYSTEM TESTING

4.1 Feature Testing

Feature testing considered to add and modify new feature in the system. New feature of the system will be arriving here with upper most priority. Those systems will make the system or the web application more effective and modernize.

4.1.1 Feature to be tested

Feature	Priority	Description
Login	1	User will be authenticated by the admin
Registration	2	User information will be saved in the database
Payment	3	Payment module in the implemented. This is the future plan of this project
Make An admin	3	Only an admin can make another admin. After then that admin can control all the specific use case on the system.
Order Food	1	Actually this is the main purpose of this project. So this is the high priority.
Log out	3	User can log out from the system and the session must be destroyed after logout.
Add products	2	Only an admin can add a product on the system. Then the user can check it on the main menu.
Manage All Orders	1	This is one of the most important part of the project. If the user don't approve the orders admin can't get the delivery.

Figure 4.1 Feature priority table

4.2 Test Strategies

4.2.1 Test Approach

I have used two different test approach to ensure the quality of my system. I literally focused only functional testing and structural testing mainly.

Black Box Testing (also called functional testing) is a testing approach that ignores all the internal mechanism of the system or component and this system and focuses solely on the output.

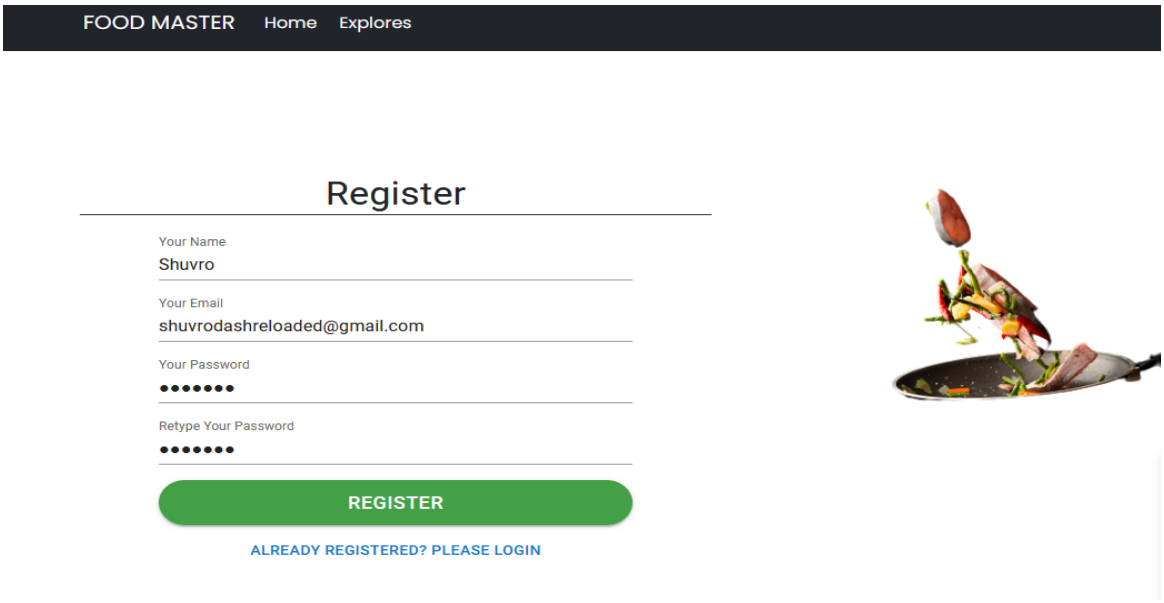
White Box testing (also called Glass box testing or structural testing) helps to test all the internal components on the system.

4.2.1 Testing Schedule

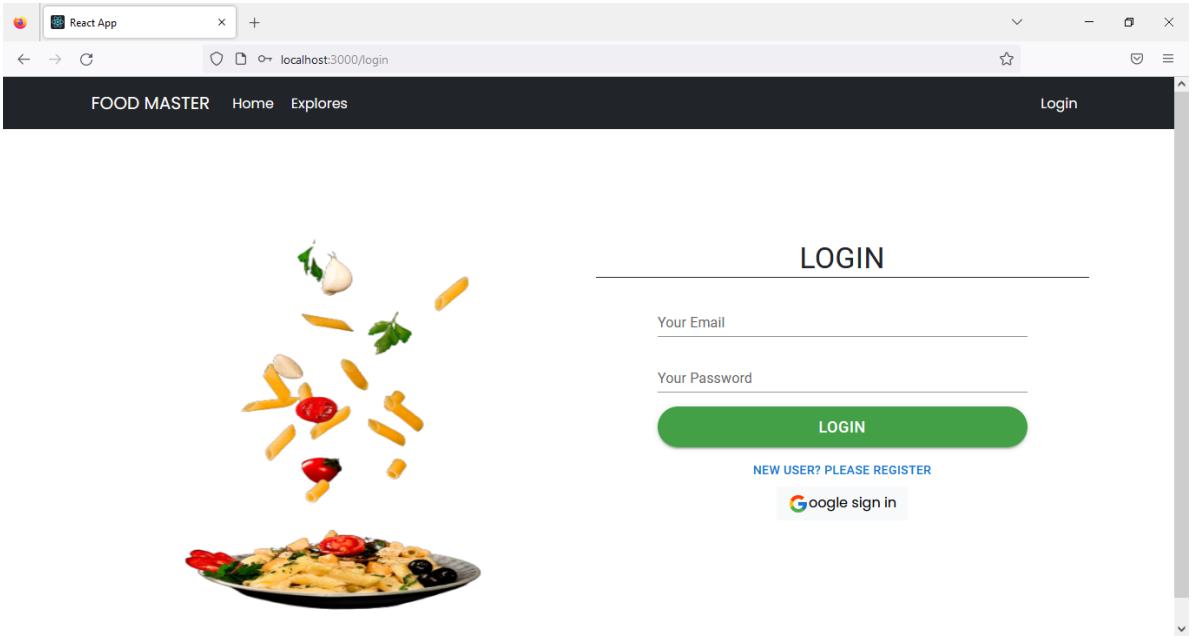
Test Phase	Time
Testing plan create	1 week
Unit testing	During development time
Component Test	During development Time
Testing user interface	1 week
Performance testing	1 week
Accessibility Testing	1 week

CHAPTER 5: USER MANUAL

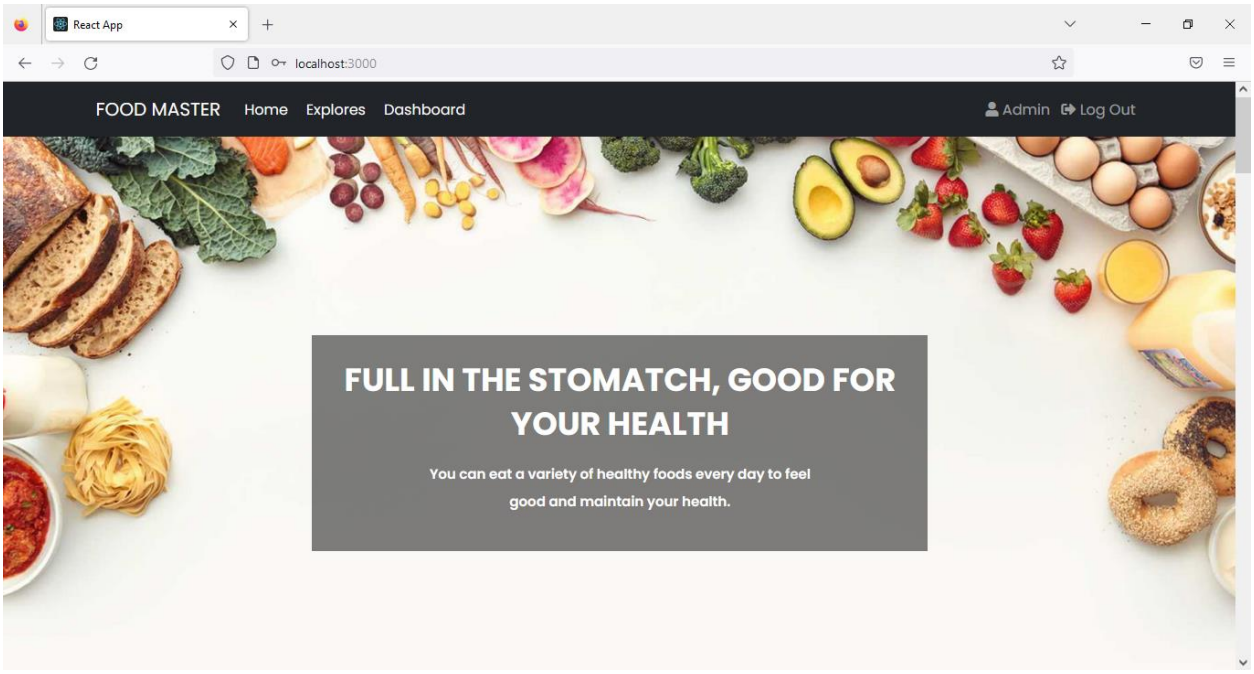
5.1 Registration



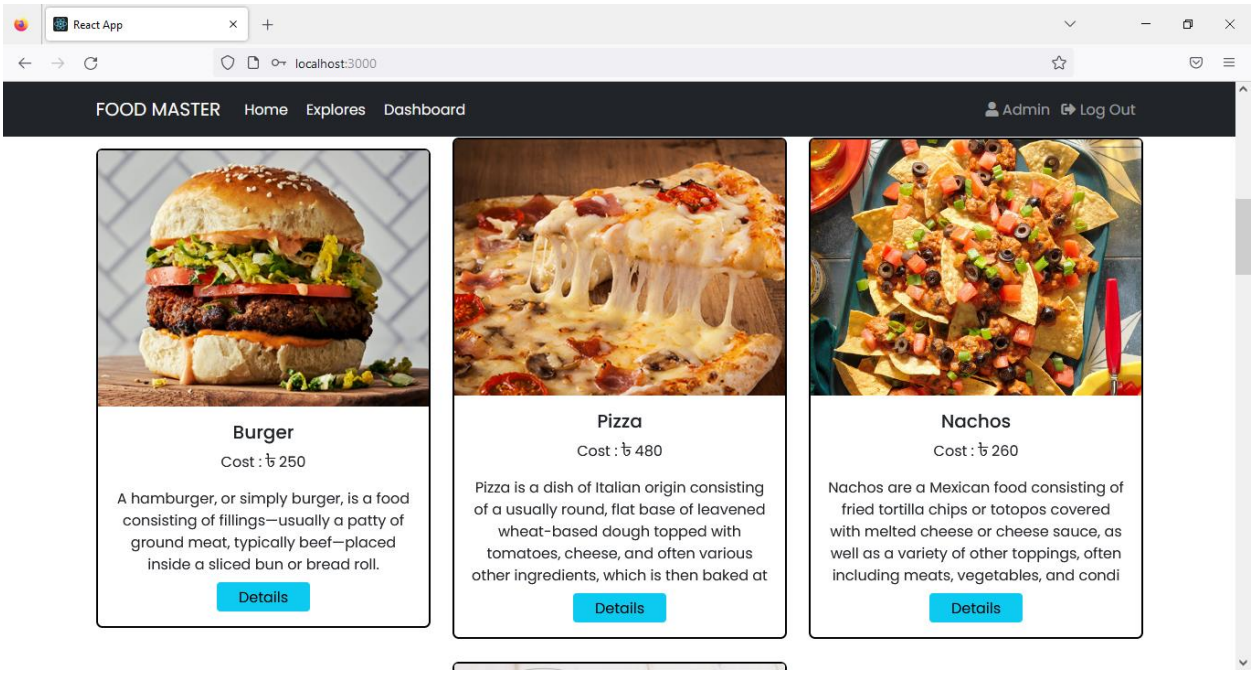
5.2 Log In



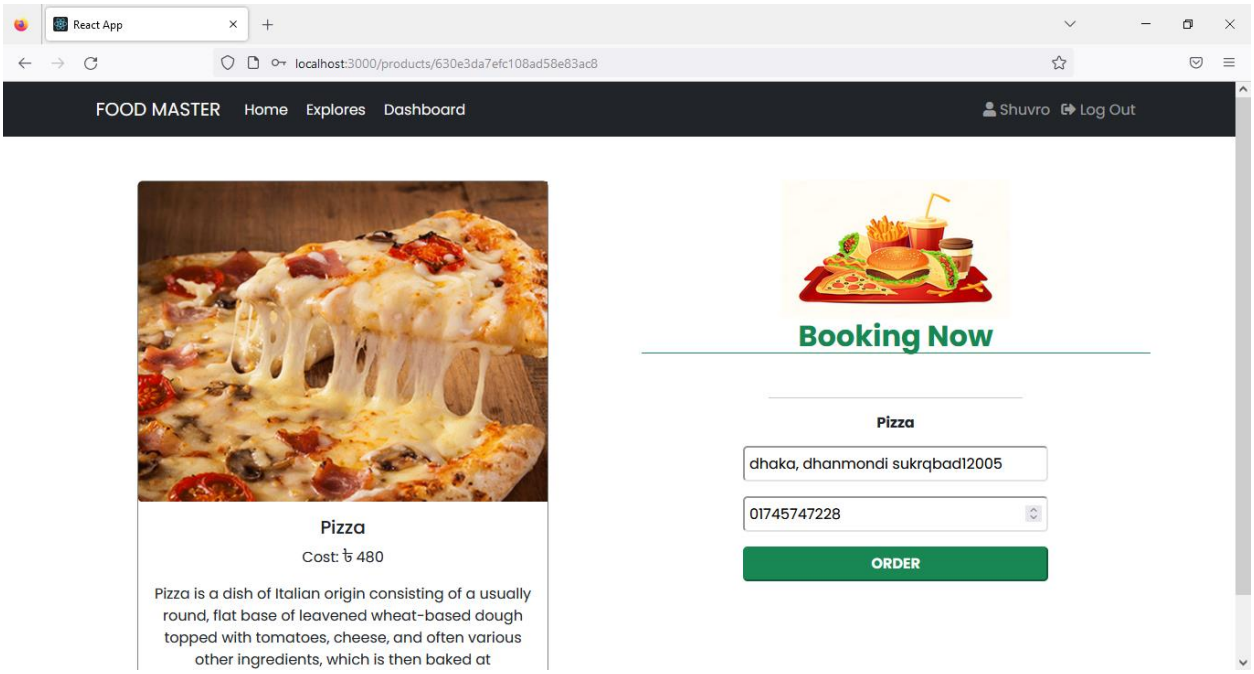
5.3 Home/ Main menu/ Explore



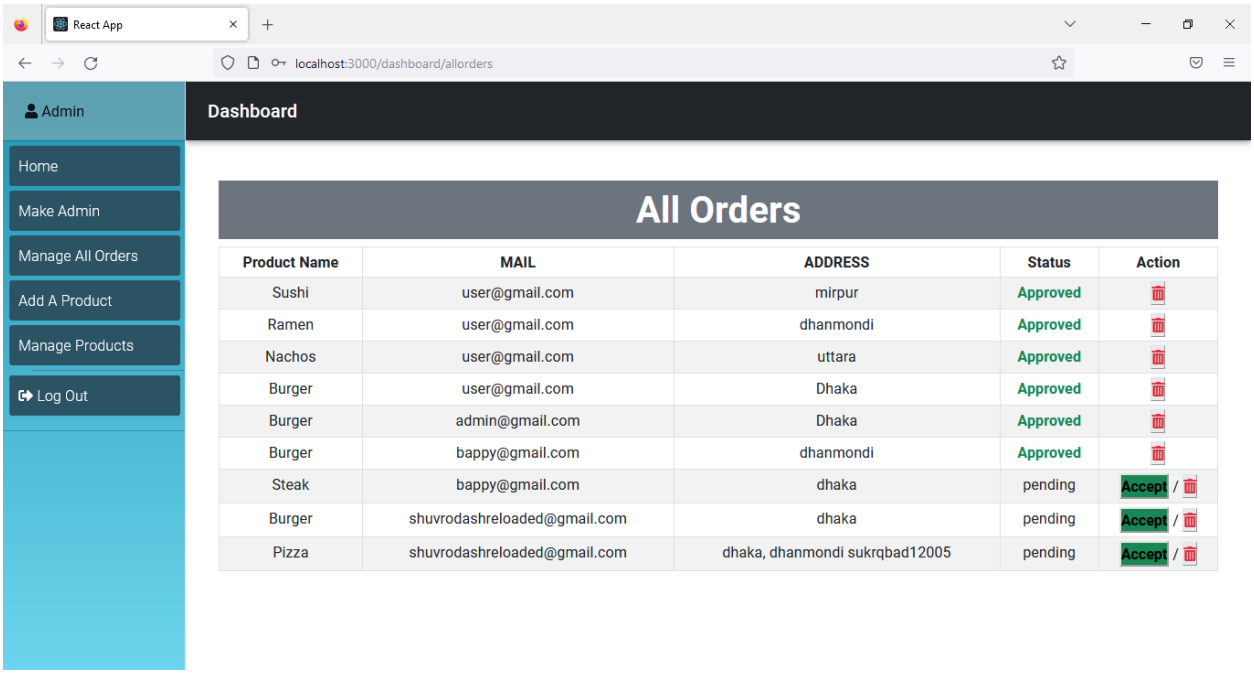
5.4 Food Details



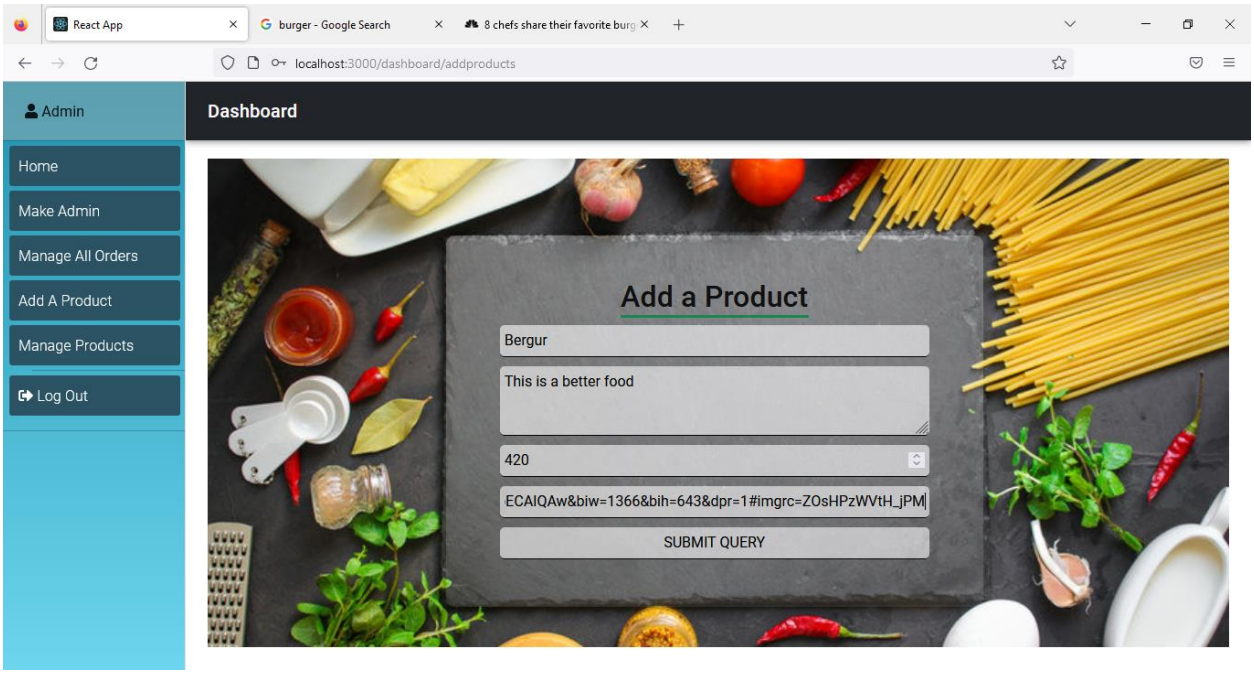
5.5 Order Food



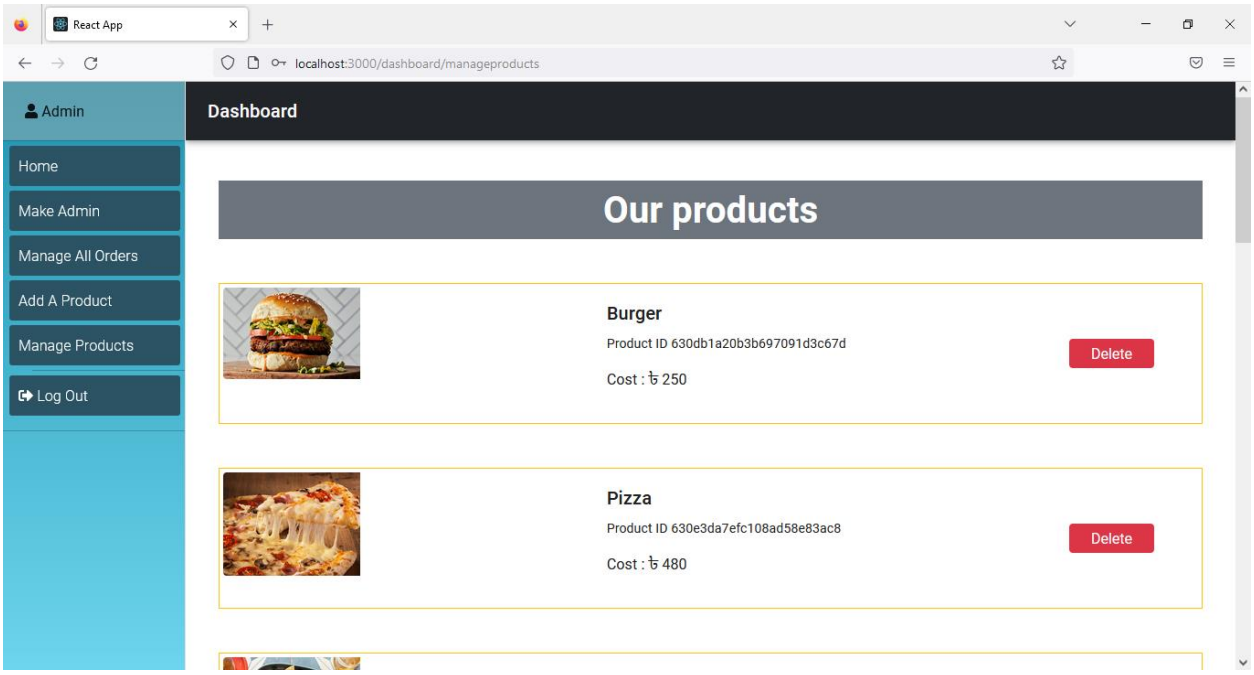
5.6 Manage all orders(admin)



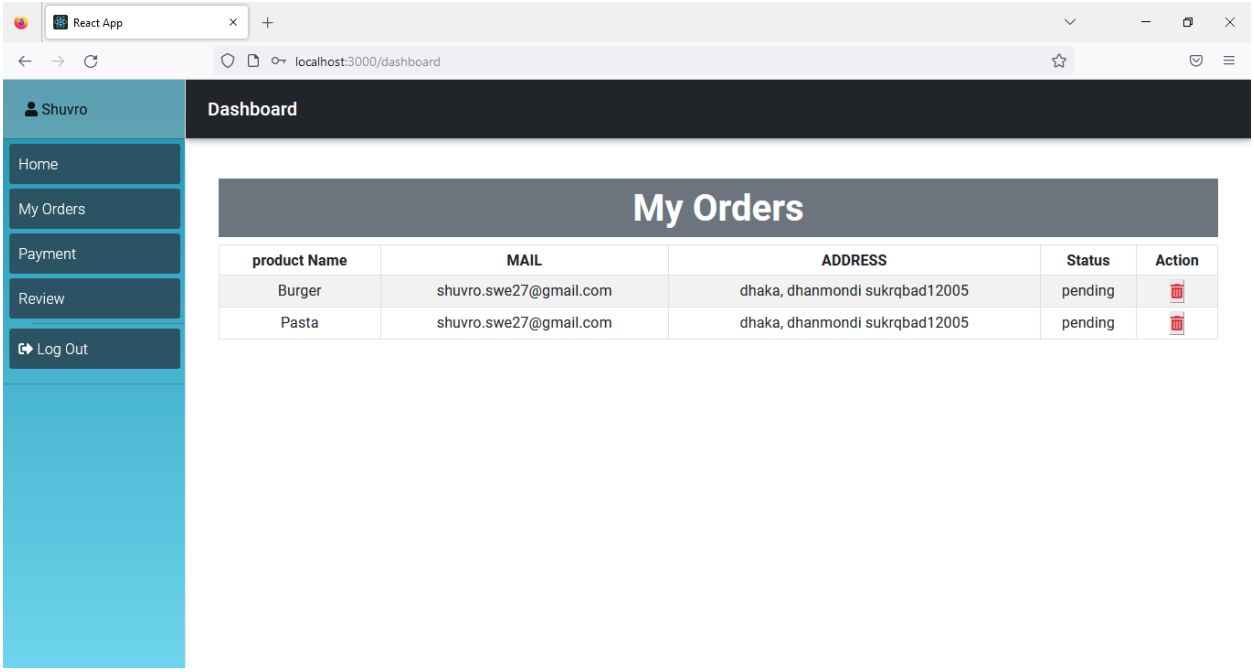
5.7 Add a products (admin)



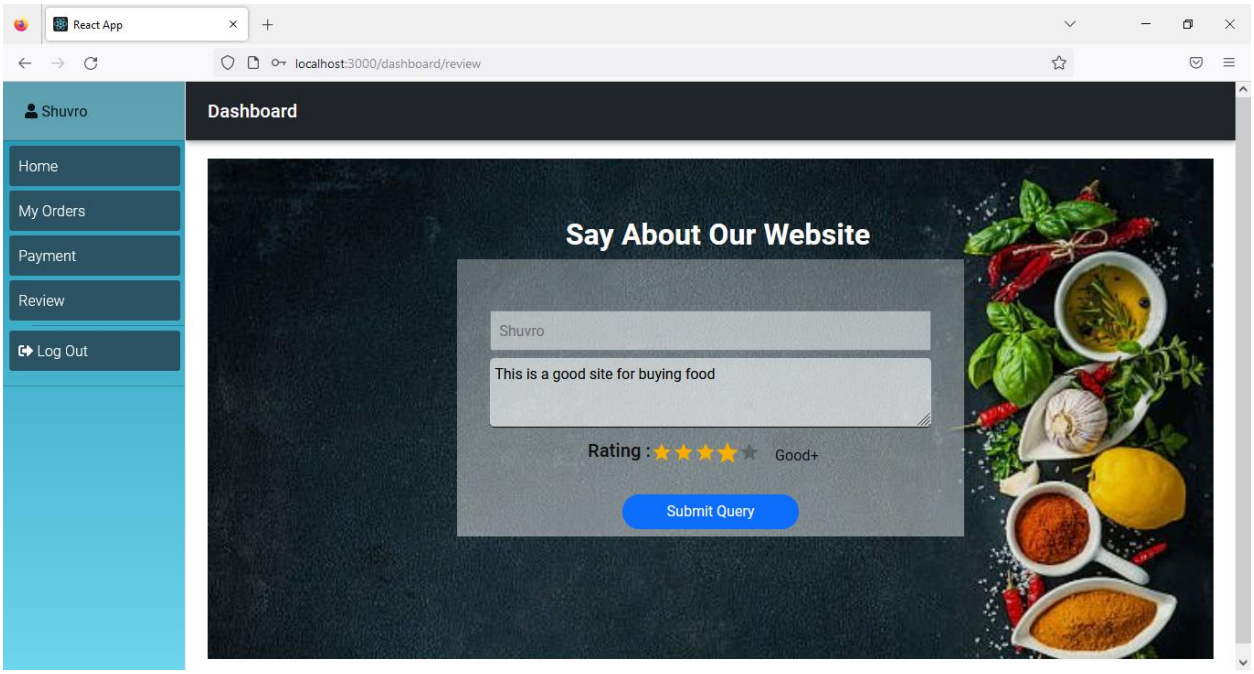
5.8 Manage Products(Admin)



5.9 Users Order List(User)



5.9 Food Review User



CHAPTER 6: CONCLUSION

6.1 Project Summary

"Online Food Delivery System" is service management system. While a user enters into the system he can behave like two characters such as he can take as a admin role or a user role. They can take many help through this services. And they can be more benefited by using this system. Apart from this a user can be act like an admin if the admin gives him the power.

I have completed this project within very short period of time. And even this system should be updated regularly as the project's progress.

6.2 Tool and platforms

Hardware Specification

Processors	1.6 GHz or Faster processors
Ram	4. 6 GB
Space Disk	4 GB or available hard disk

Software Specification

Operating System	Windows 10
Front End	HTML, CSS, JS React JS (library)
Framework	Bootstrap, Google Font
Backed	Node Js.
Text Editor	MS visual Studio Code
Database	Mongo DB
Web browser	Google chrome
Web server	Localhost
Drawing Tools	Draw.io

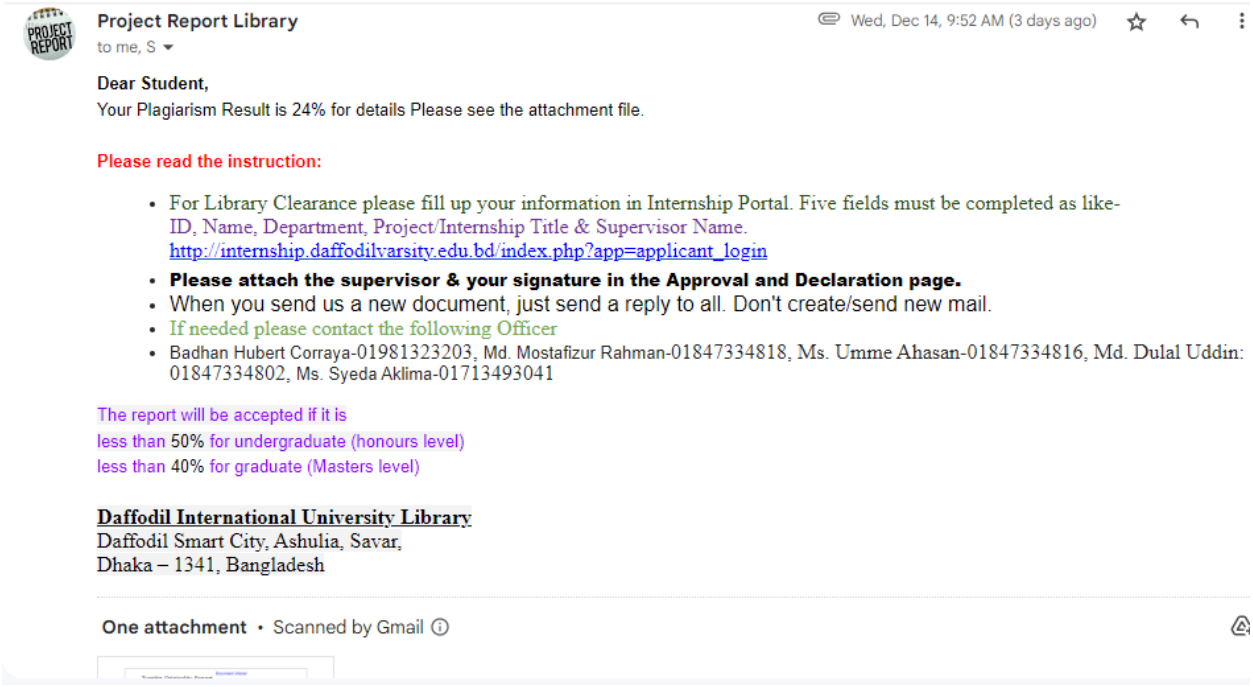
6.2 Limitations

- Messaging is not available on the system.
- The system is still in the earlier phase. That's why there will be more features those will be implemented.
- Registration and email verification is not available.

6.2 Future Scope

The various thinks can be made is simple and user friendly. There are many more features and not implemented still yet. As I can say payment gateway system is not still implemented on the system. As the technology emerges, it is possible to upgrade the system and can be adaptable to desire environment. Based on the future security issued, security can be improve using emerging technologies.

PLAGIARISM REPORT



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