



**INSTITUTE FOR ADVANCED
COMPUTING AND SOFTWARE
DEVELOPMENT AKURDI,
PUNE**

Documentation On

“ONLINE MESS SERVICE”
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1. INTRODUCTION.

1.1 Purpose

The Food-Home is an online mess service system that locates nearby messes and their menus. The mess owners can register and share their mess menus with the consumers through this portal. Consumers can register to the portal and can be a member of a specific mess of their choice. Consumers can search messes as per locality, category, prices, ratings, reviews. Consumer searching efforts are reduced and increases the scope of business for mess owners.

1.2 Project Background

In the current competitive world, many youths travel to different unknown locations for their basic education or jobs. The main problem they face is the food they get, and they crave for homemade food, but it is difficult to find it. On the other hand, some housewives wish to work and earn money to gain financial independence. It is difficult for these ladies to reach customers and market their products.

1.3 Goals of the project

The main objective of this project is to give a common platform for the customers and service provider. This system will help consumers from various places to communicate with various providers (mess owners) and ease their searching efforts. The main interest of the Project is to create a central service system that will act as a bridge between providers and consumers.

2. OVERALL DESCRIPTION.

Proposed Methodology:

- Online Mess Service System is a web application.
- There are mainly two types of users. One is the provider (Mess Owner) and the other is the consumer.
- Consumers can search for mess menus, and special dishes at their convenience.
- Mess owners can search for consumers available and their interests.
- Online Mess Service System provides the functions which connect the consumers and the mess owners through the portal.
- The online Mess Service System will be administrated by Admin.

S/W and H/W Requirements

Server Side:

HDD: 500 GB or above

Processor: Intel core i5 or above

RAM: 4GB or above

Database: MySQL

Client Side (minimum requirement):

Processor: Intel Dual Core

HDD: Minimum 80GB Disk Space

RAM: Minimum 2GB

OS: Windows 7, Linux

Technology platform used for project

- HTML , Bootstrap
- JavaScript
- ReactJS
- Spring Boot REST API
- Hibernate
- JPA
- MySQL
- GITHUB

Reason for using specific technology:

- HTML and Bootstrap basic formatting and rendering on browser
- JavaScript makes web pages dynamic
- ReactJS allowed us to manage routing, state, components ,html pages ,toggling, navigation with ease
- Spring boot REST API allows us to create REST APIs with minimal configurations
- Hibernate helped my mapping entities , their state and deals with database
- JPA managed relational data in entities
- MySql allowed to store data and perform CRUD operations in them
- Github Helped us to store, maintain version control ,and manage the source code between the team.

3. Requirements Specification.

External Interface Requirements:

User Interfaces:

- All the users will see the same page when they enter in this website. This page asks the users a username and a password.
- After being authenticated by correct username and password, user will be redirect to their corresponding profile where they can do various activities.
- The user interface will be simple and consistence, using terminology commonly understood by intended users of the system. The system will have simple interface, consistence with standard interface, to eliminate need for user training of infrequent users.

Hardware Interfaces:

- No extra hardware interfaces are needed.
- The system will use the standard hardware and data communication resources. This includes, but not limited to, general network connection at the server/hosting site, network server and network management tools.

Application Interfaces:

Web Browser:

The system is a web-based application; clients need a modern web browser such as Mozilla Firebox, Internet Explorer, Opera, and Chrome. The computer must have an Internet connection in order to be able to access the system.

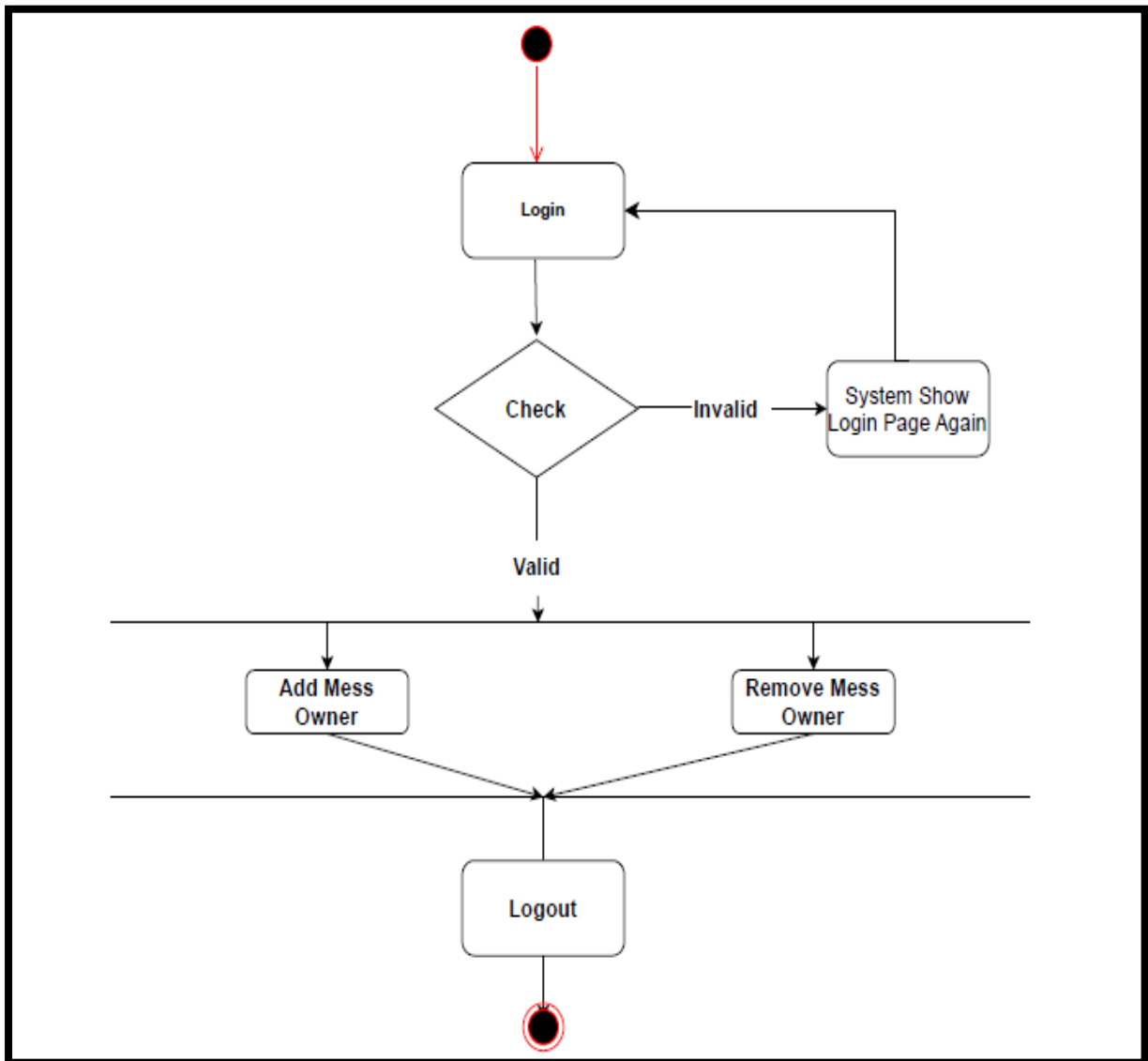
Communications Interfaces:

- This system uses communication resources which includes but not limited to, HTTP protocol for communication with the web browser and web server and TCP/IP network protocol with HTTP protocol.
- This application will communicate with the database that holds all the booking information. Users can contact with server side through HTTP protocol by means of a function that is called HTTP Service. This function allows the application to use the data retrieved by server to fulfil the request fired by the user.

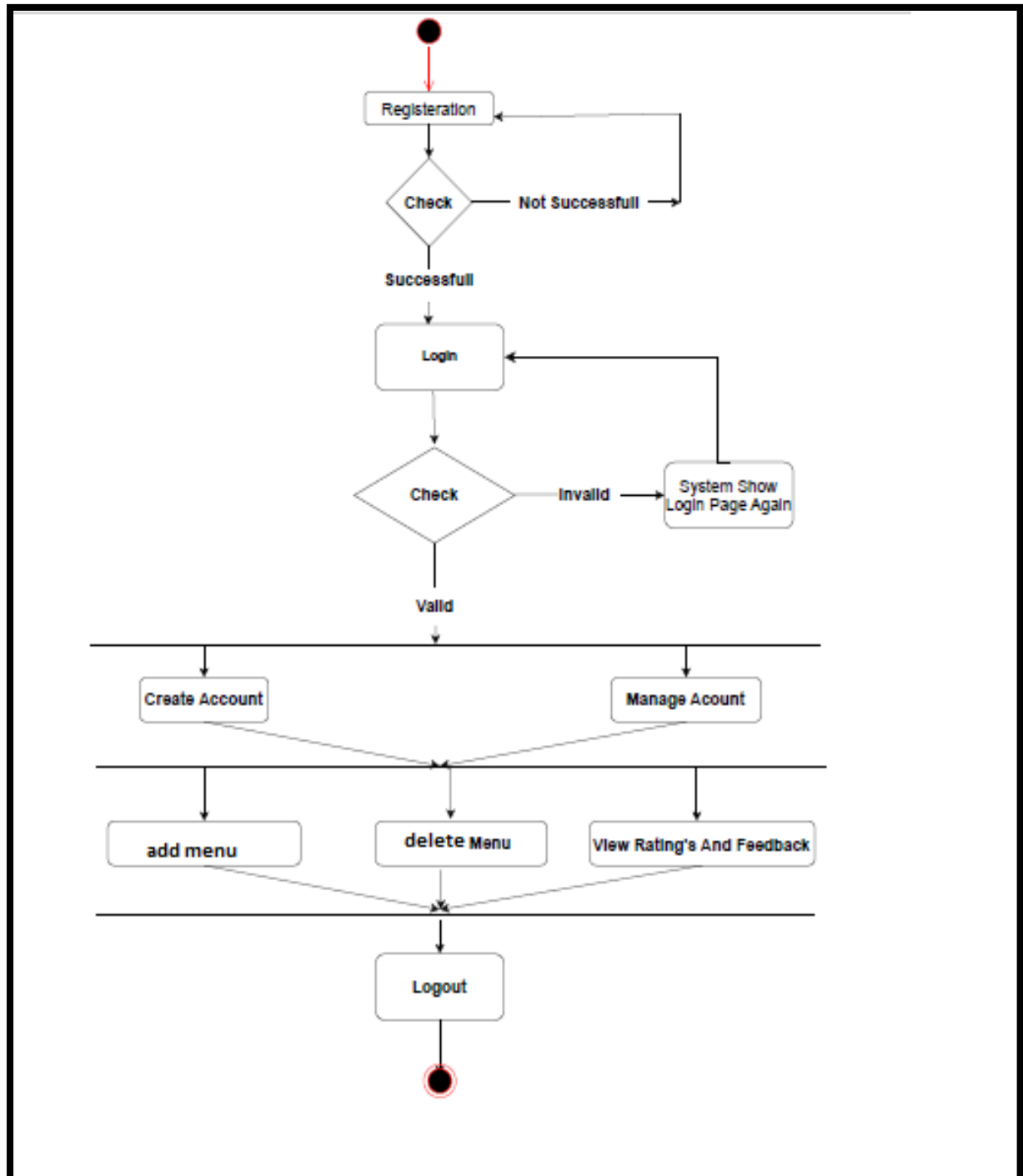
4. System Diagrams.

□ Activity Diagram:

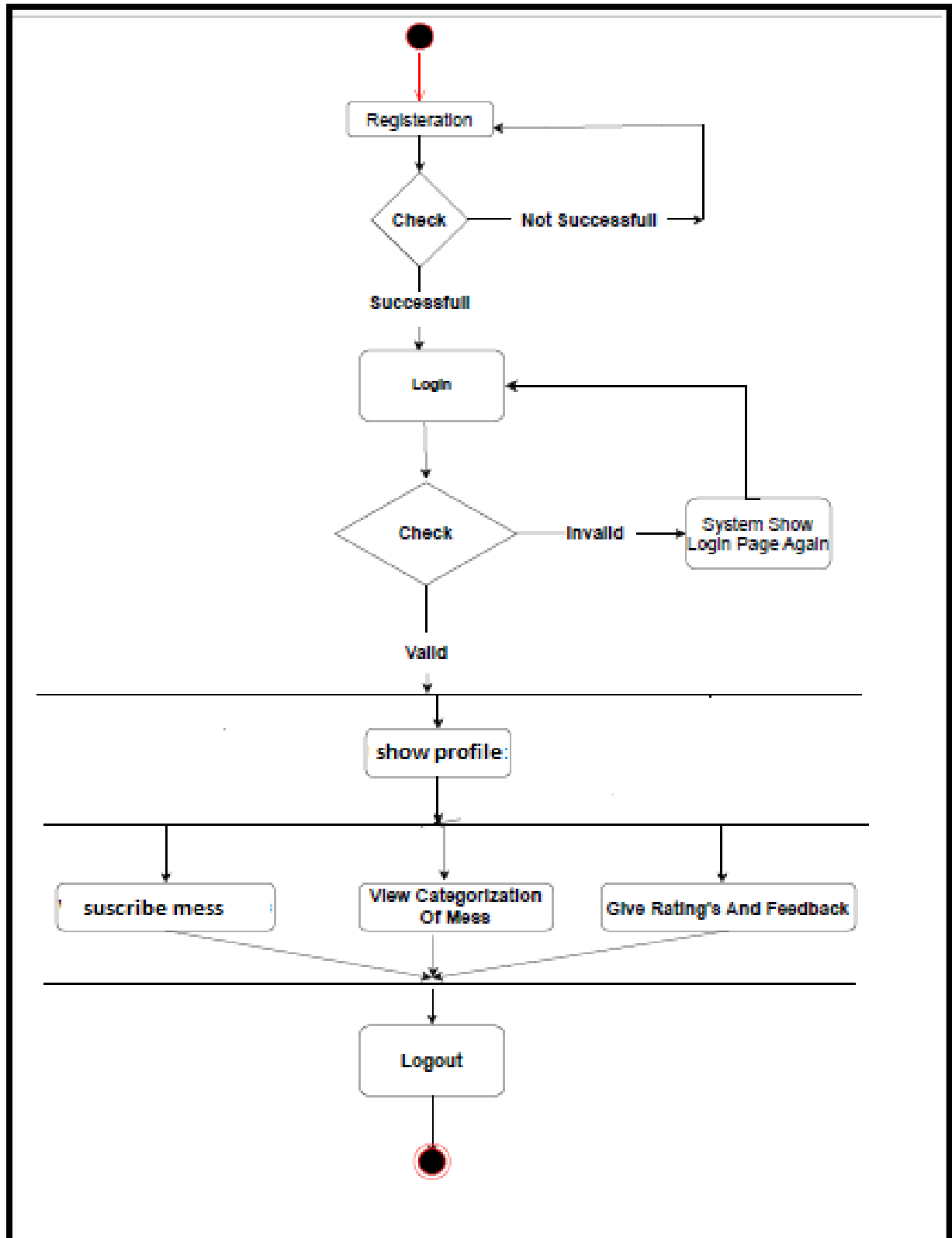
Admin Activity:



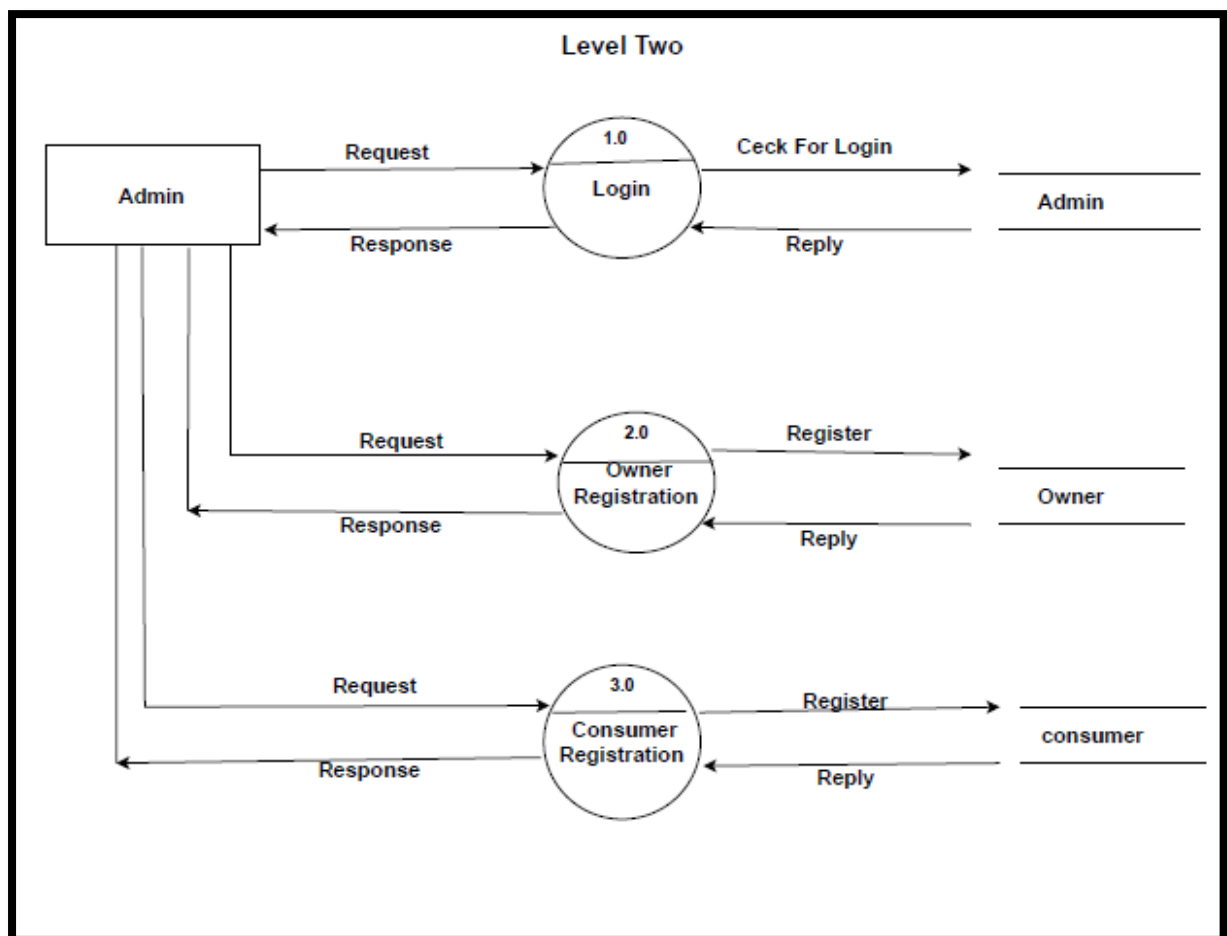
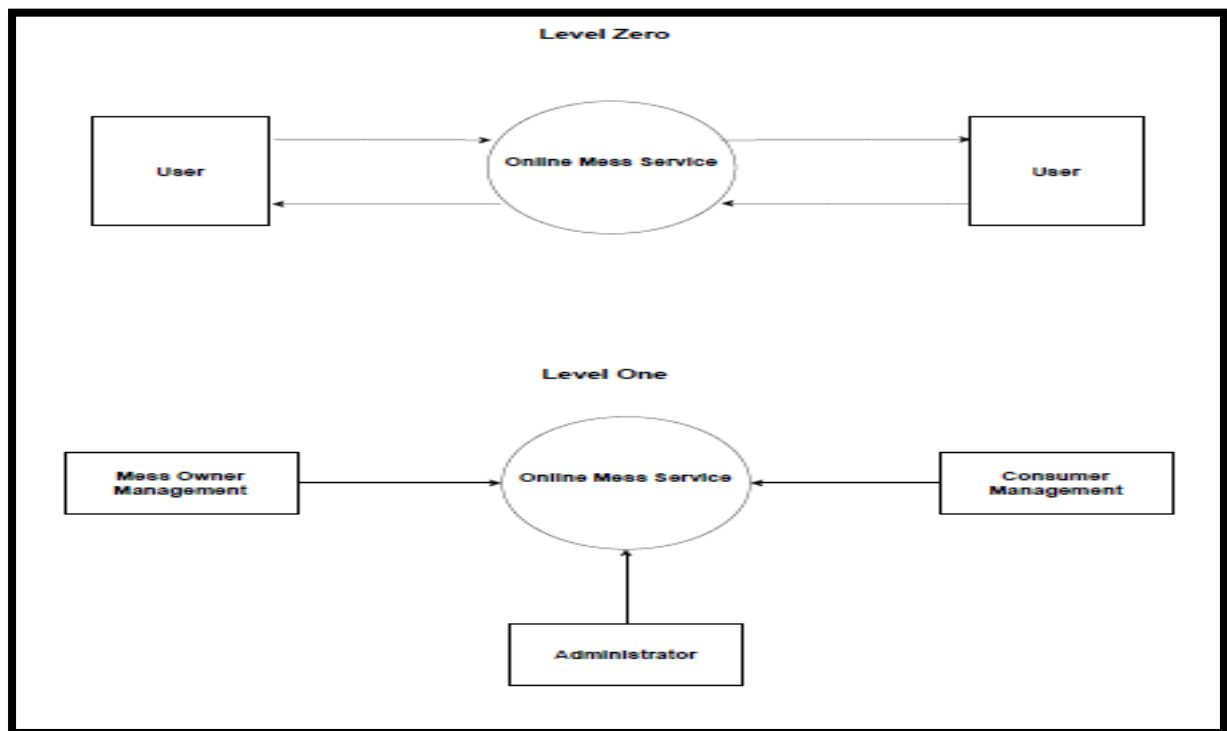
Activity Diagram of Mess Owner



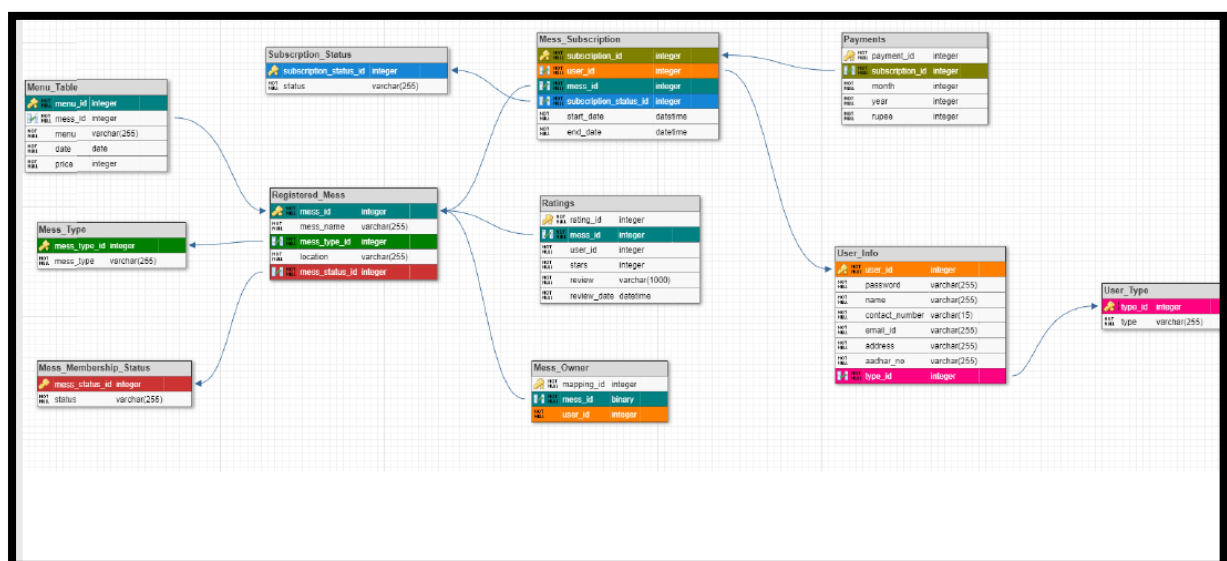
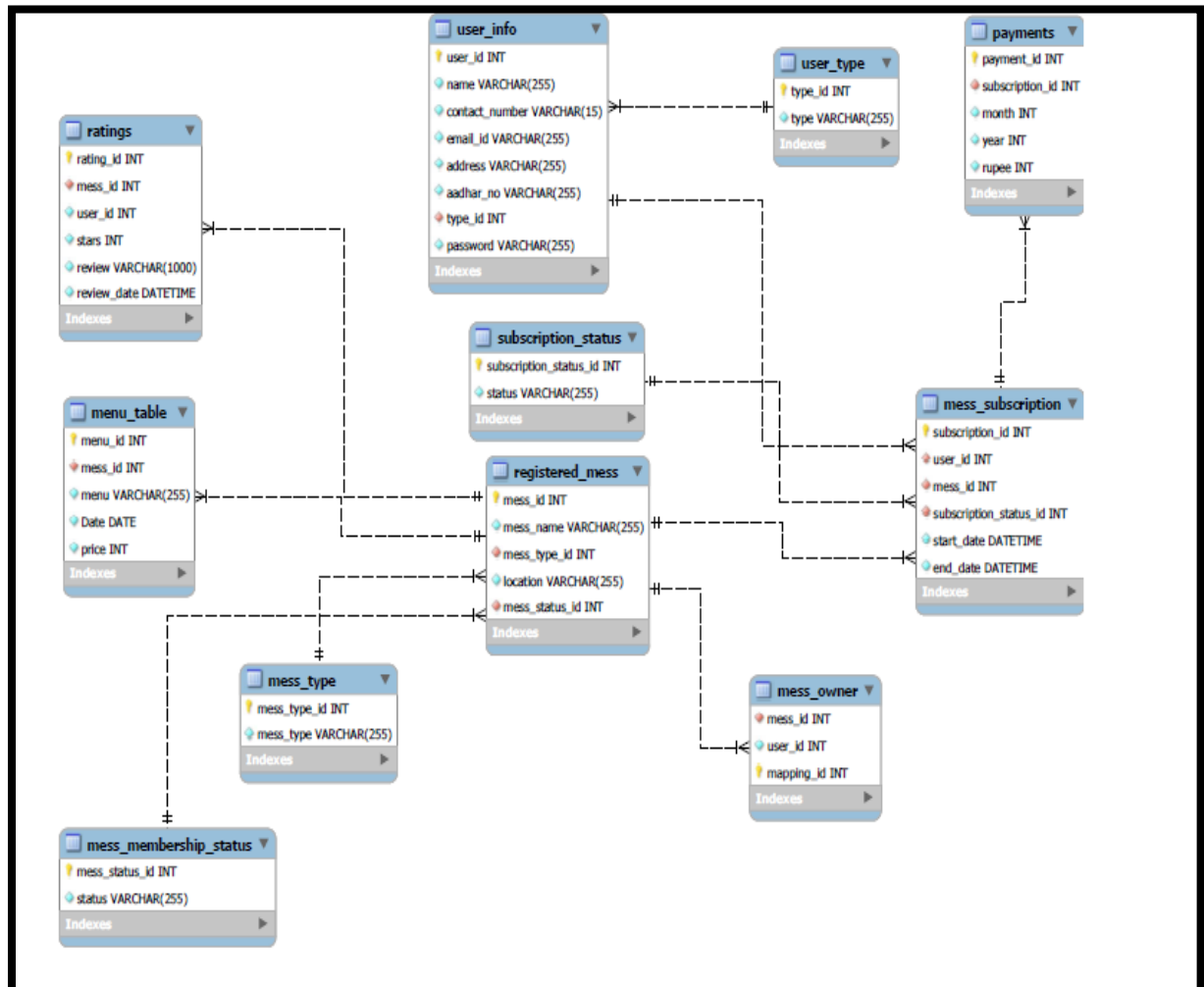
Activity Diagram of Customer



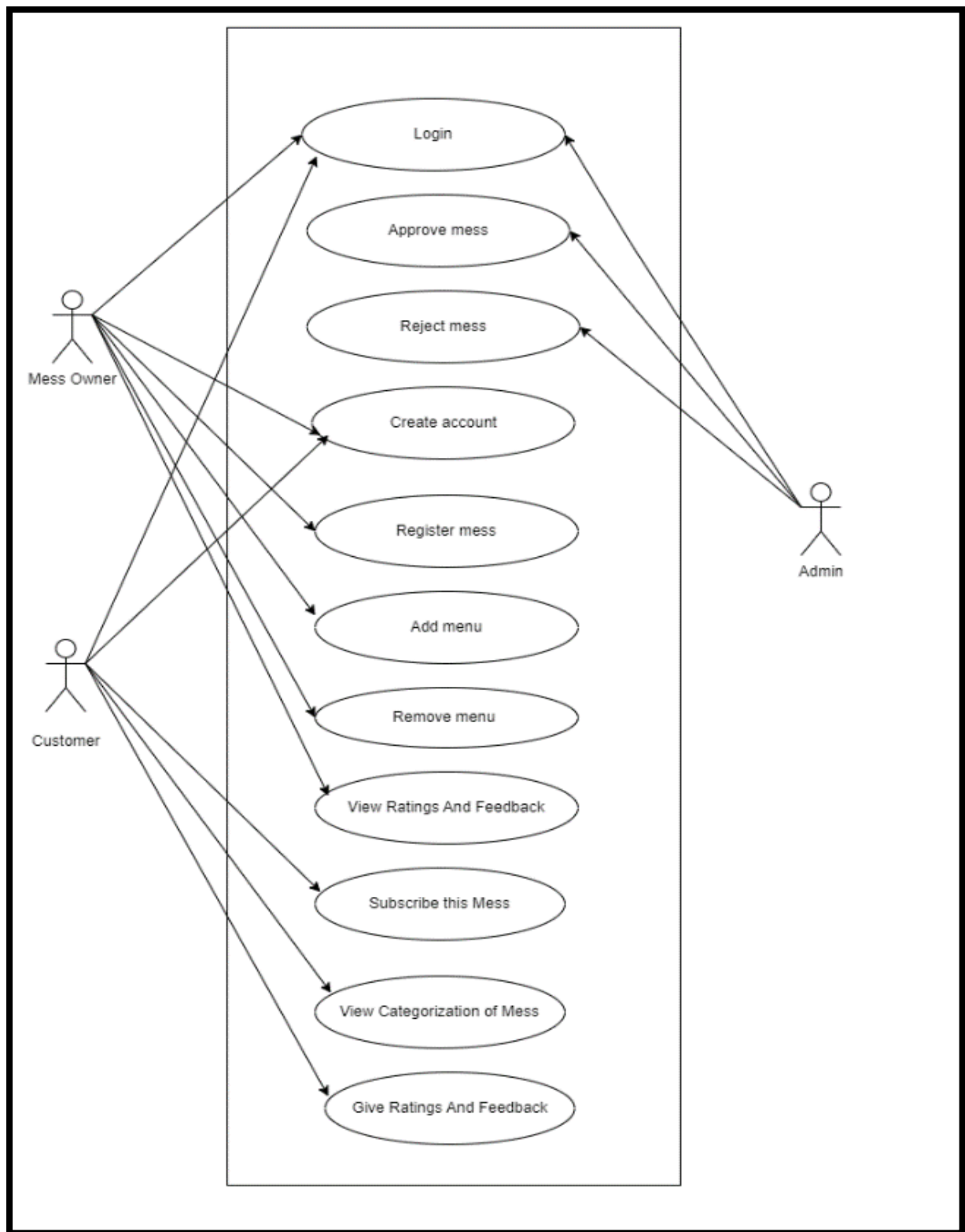
□ Data Flow diagram:



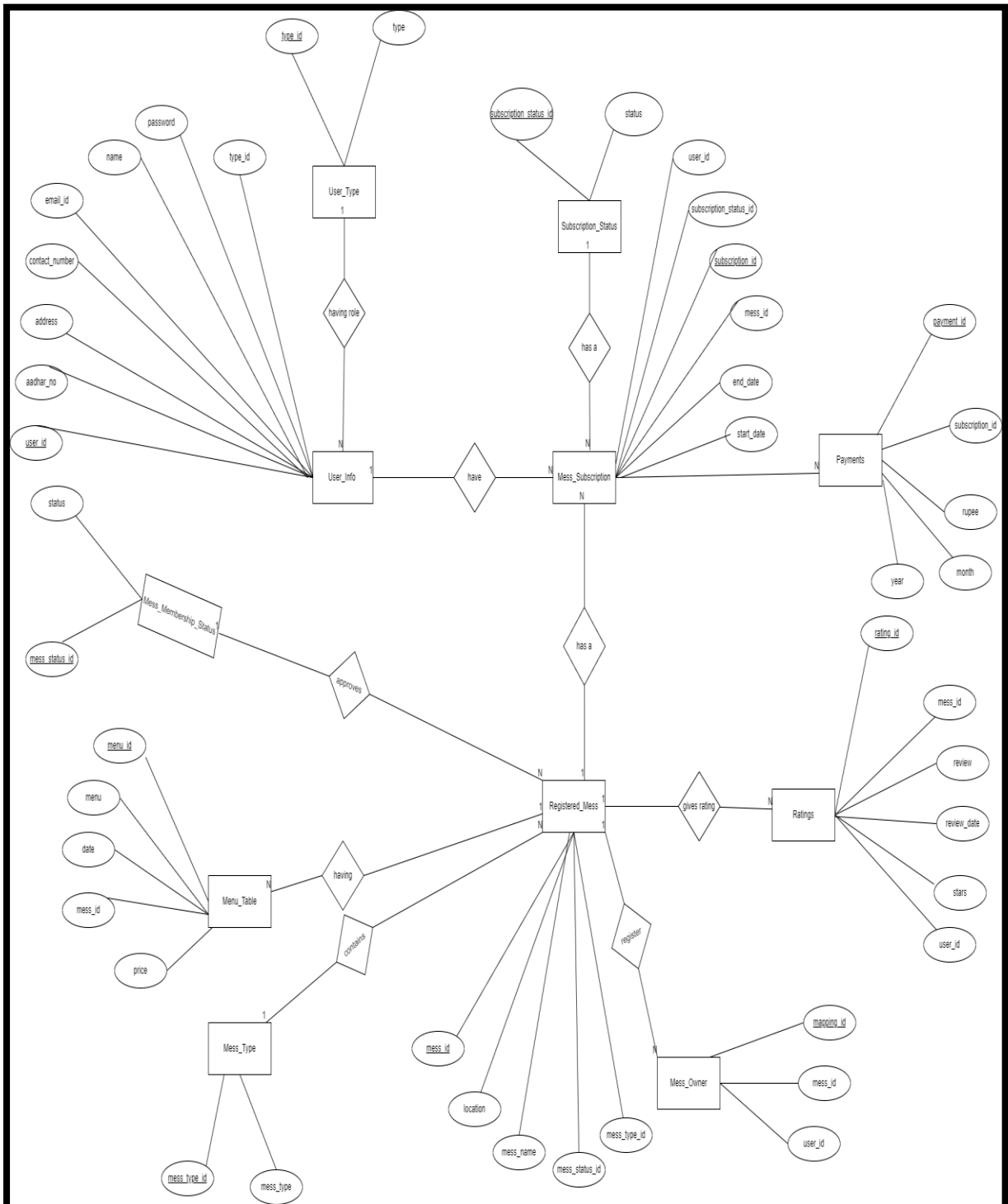
□ ER Diagram
(system generated)



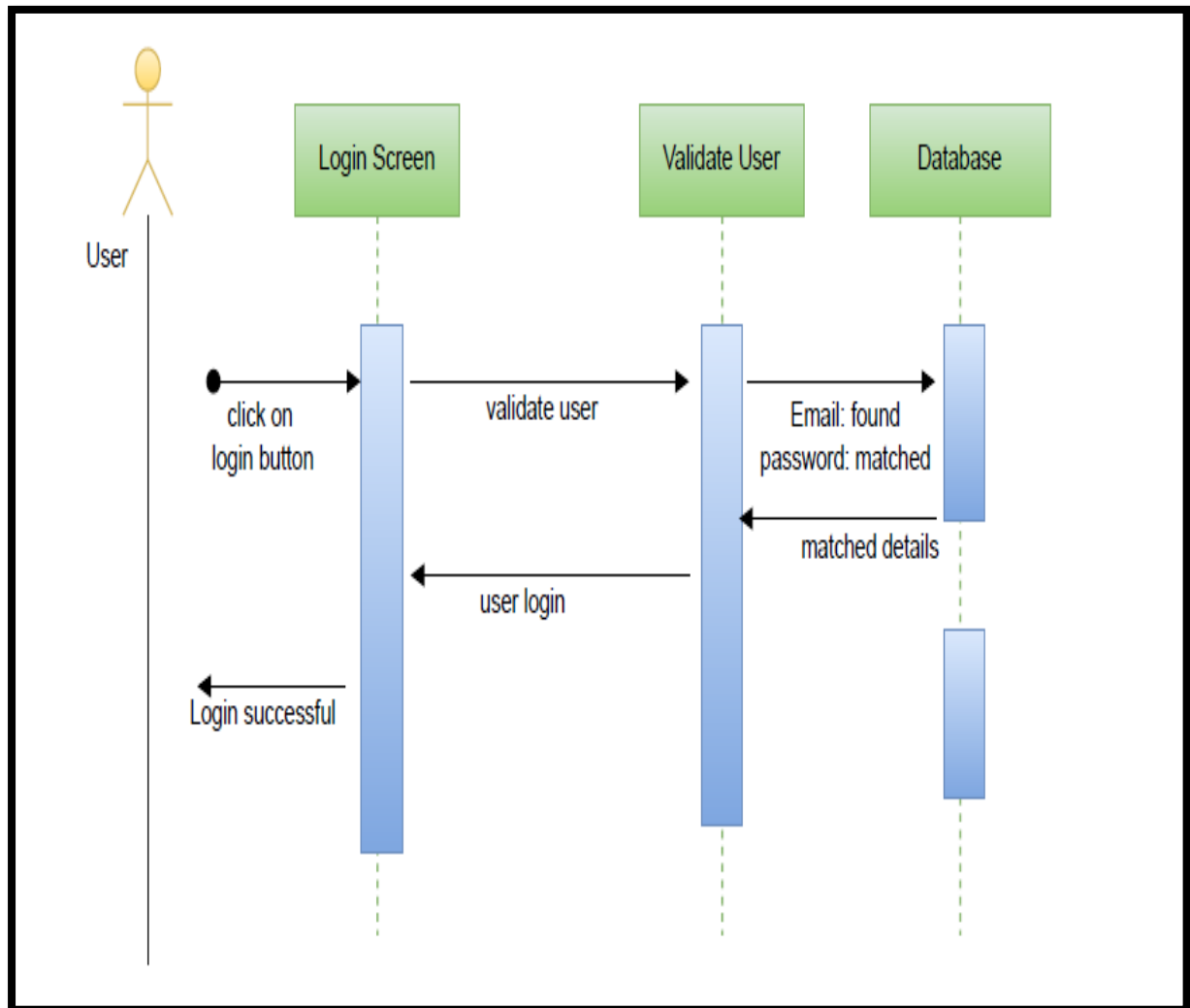
□ Use Case Diagram:



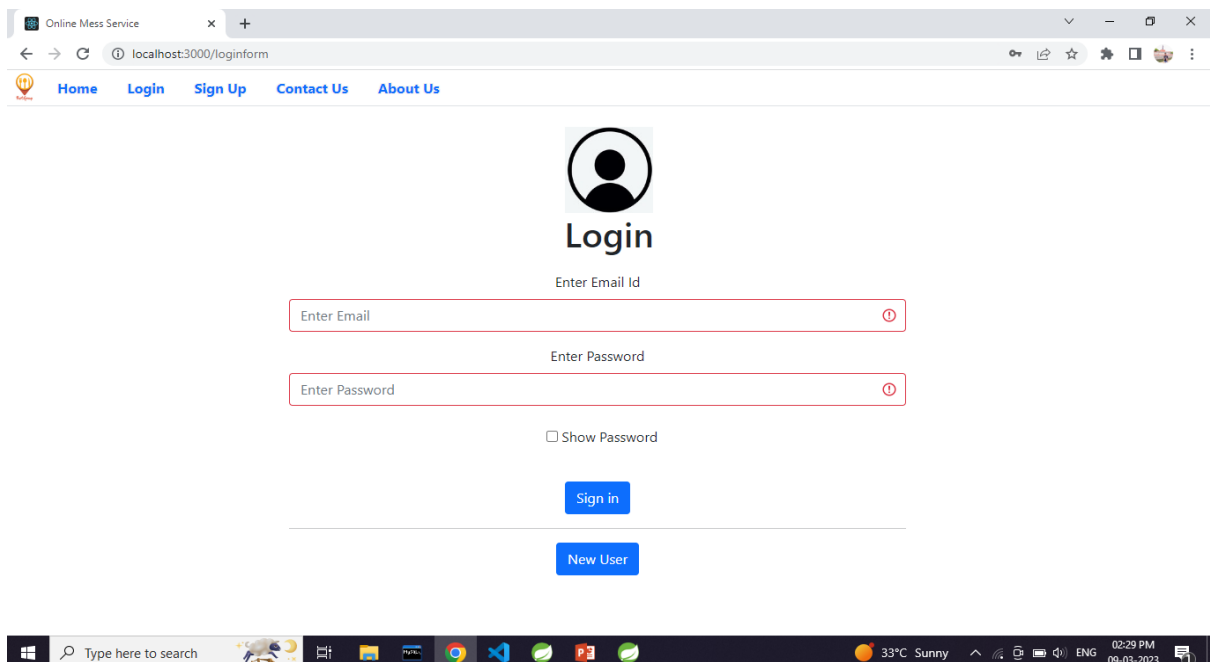
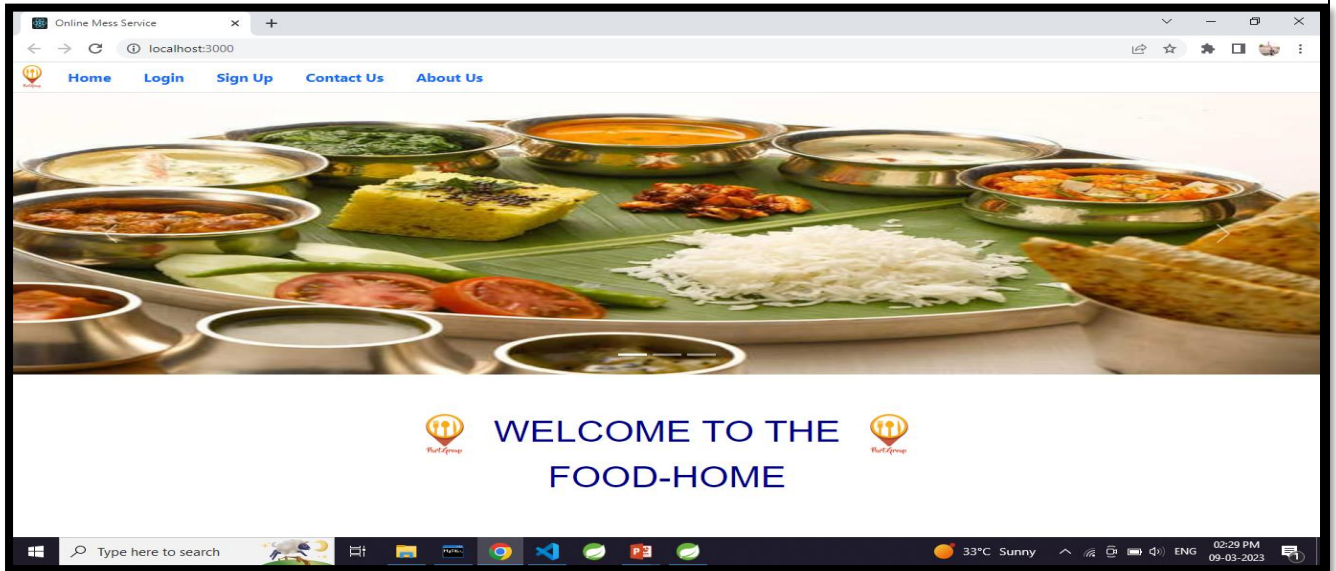
ER Diagram:



□ **Sequence diagram for login:**




PROJECT DIAGRAMS



Online Mess Service

localhost:3000/loginform

Home Login Sign Up Contact Us About Us



Login

Enter Email Id

sagar@gmail.com

Enter Password

☐ Show Password

Sign in

New User

Type here to search

33°C Sunny 02:29 PM 09-03-2023

Online Mess Service

localhost:3000/Register

Home Login Sign Up Contact Us About Us

Name

Full Name

Please fill out this field.

Contact Number

Contact Number

Please fill out this field.

Email Id

sample@domain.com

Please fill out this field.

Address

Full Address

Please fill out this field.

Aadhar Number

12 Digit Aadhar Number

Please fill out this field.

Type ☐ Consumer ☐ Mess-Owner

Password

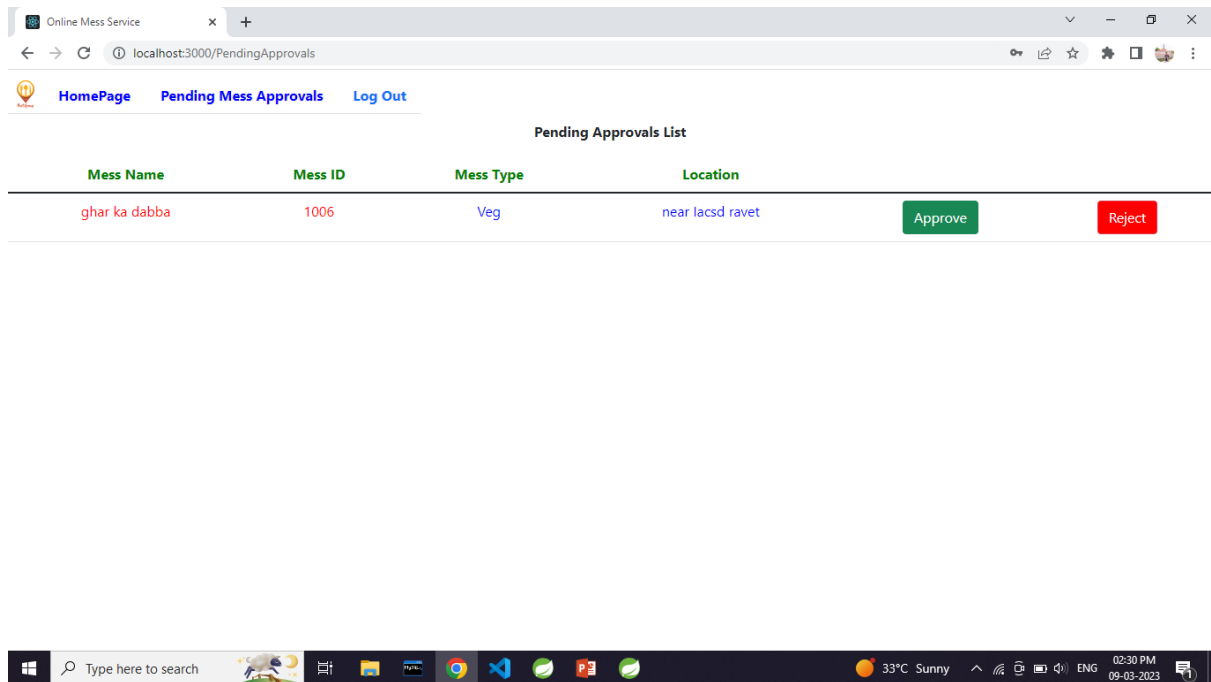
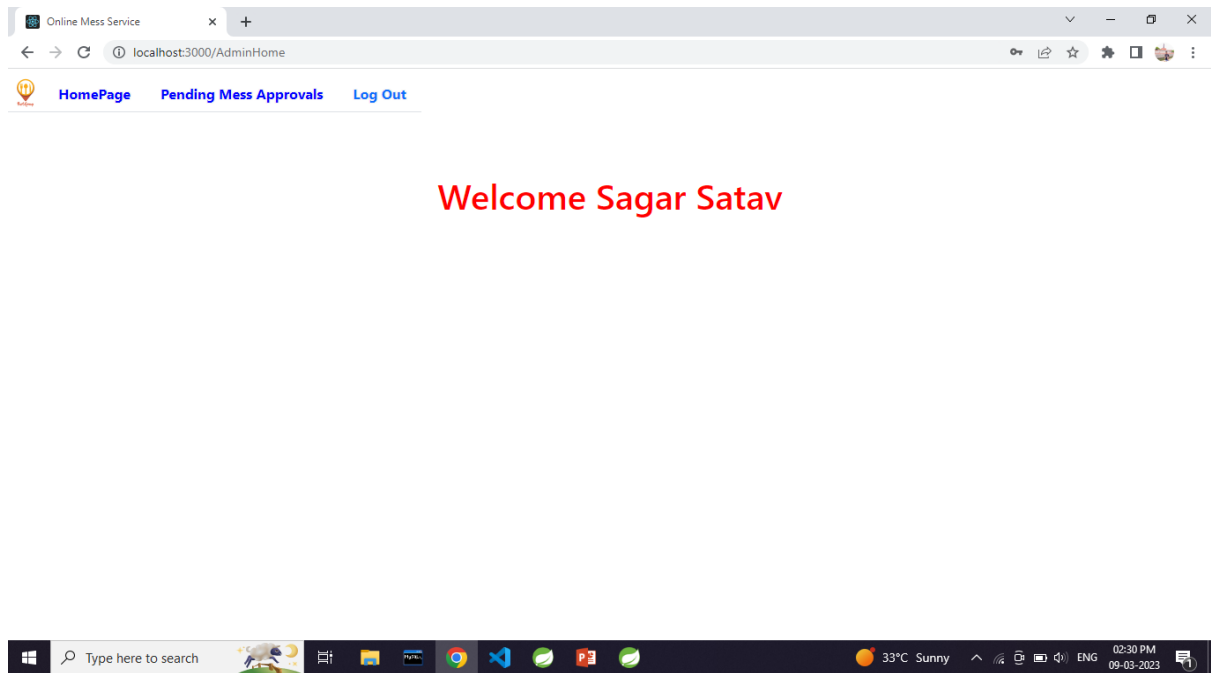
Password

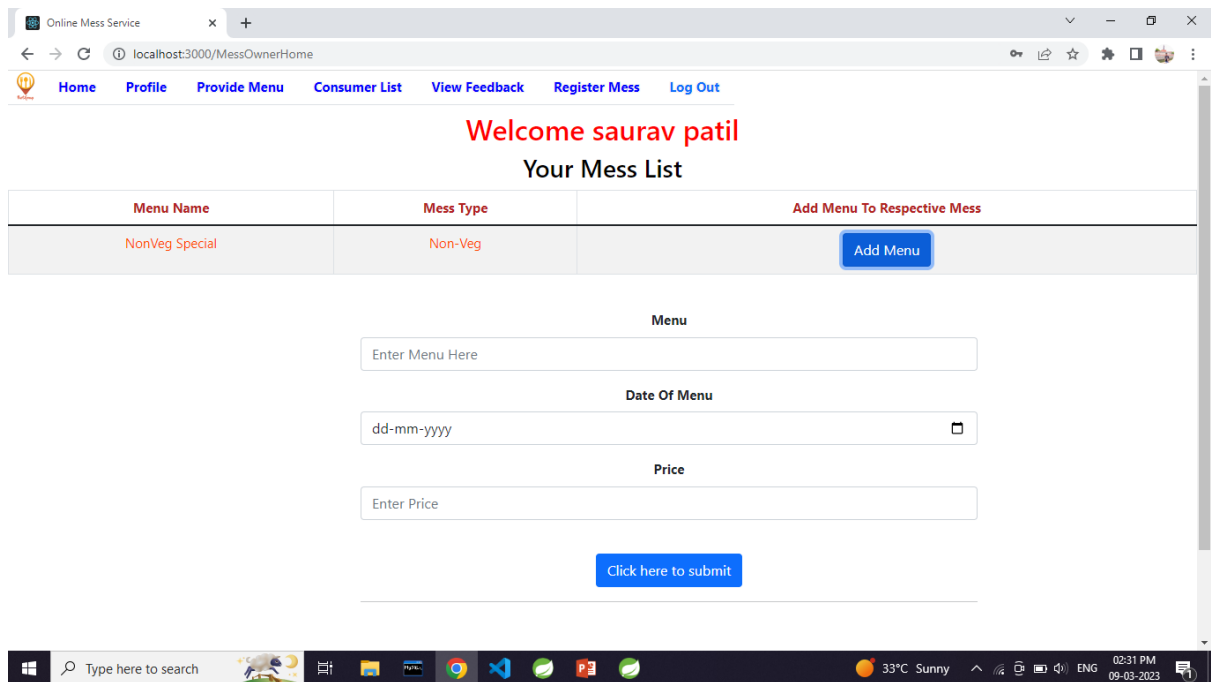
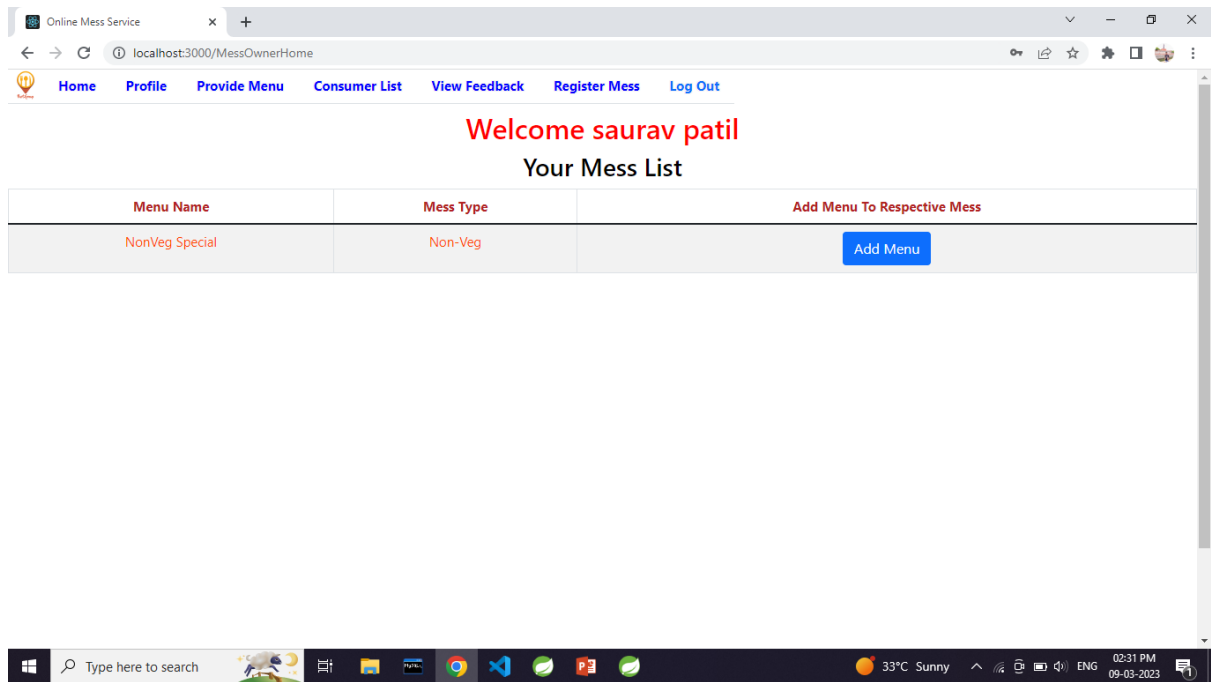
Please fill out this field.

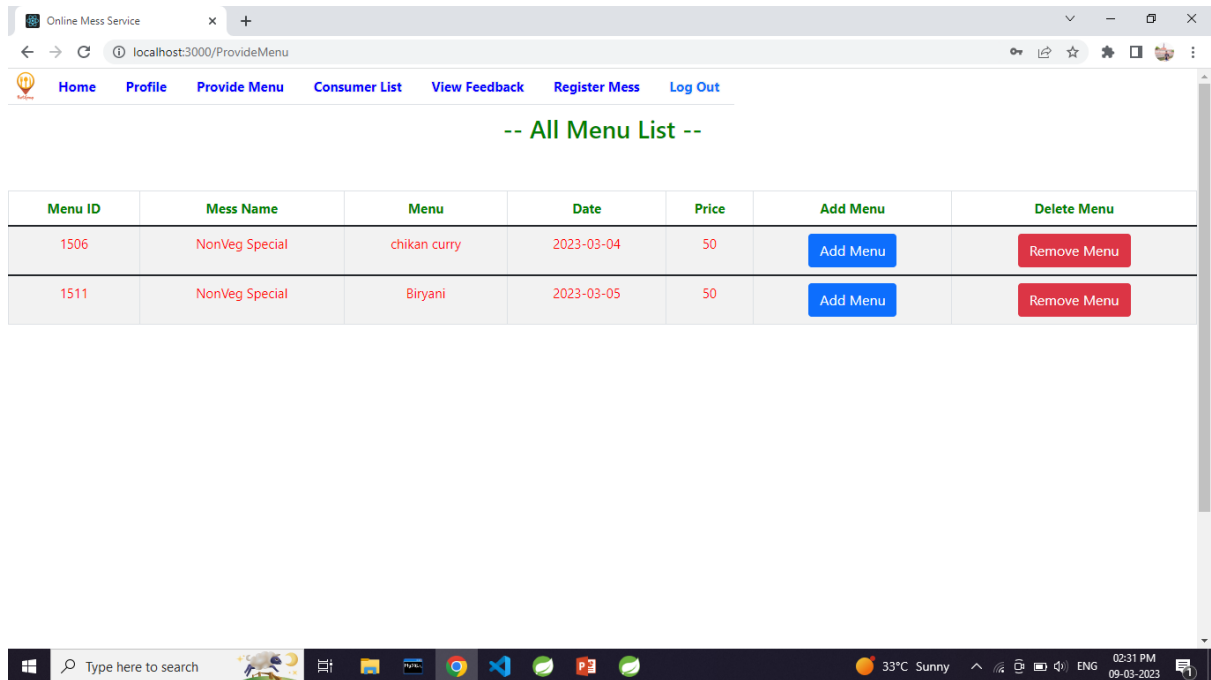
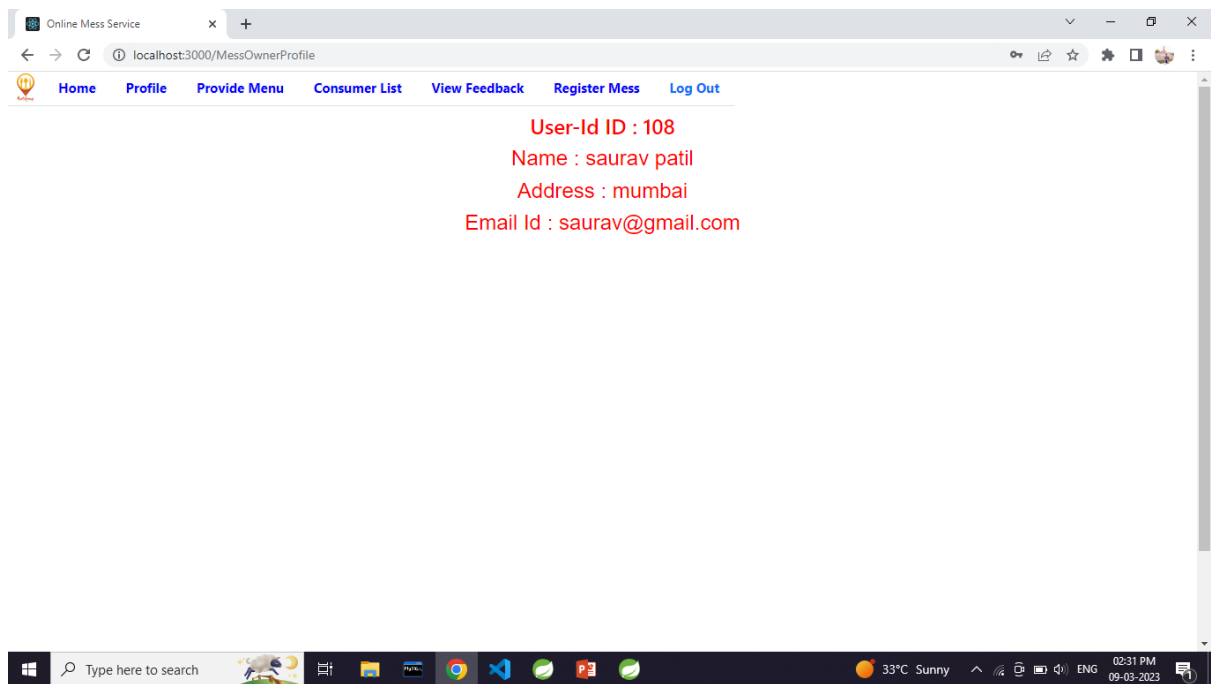
Click here to submit

Type here to search

33°C Sunny 02:35 PM 09-03-2023







Online Mess Service

localhost:3000/ConsumerList

Home Profile Provide Menu Consumer List View Feedback Register Mess Log Out

-- All Consumer List --

Consumer ID	Consumer Name	Contact no	Mail ID
107	abhishek shinde	12344567456	abhishek@gmail.com

Type here to search

33°C Sunny 02:32 PM 09-03-2023

Online Mess Service

localhost:3000/ViewFeedback

Home Profile Provide Menu Consumer List View Feedback Register Mess Log Out

Stars	Mess Name	Date Of Review	Review
4	NonVeg Special	2023-03-07	good

Type here to search

33°C Sunny 02:32 PM 09-03-2023

Online Mess Service x +

localhost:3000/registerMess

Home Profile Provide Menu Consumer List View Feedback Register Mess Log Out

Mess Name

Enter Mess Name

Mess Type ☐ Veg ☐ Non-Veg

Mess Location

Enter Location

Click here to submit



Online Mess Service x +

localhost:3000/ConsumerHome

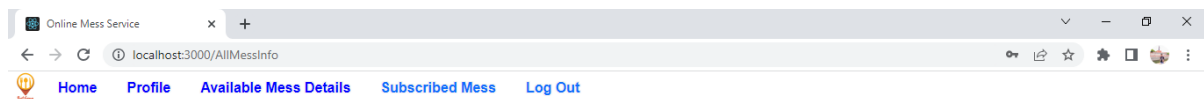
Home Profile Available Mess Details Subscribed Mess Log Out

Your ID : 107

Welcome abhishek shinde

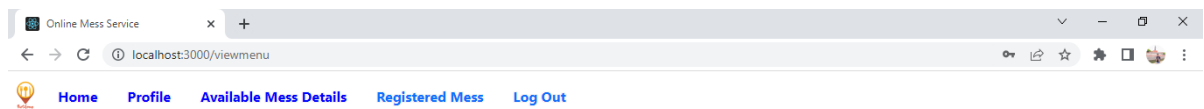
Enjoy Our Service...





-- Available Messes Information --

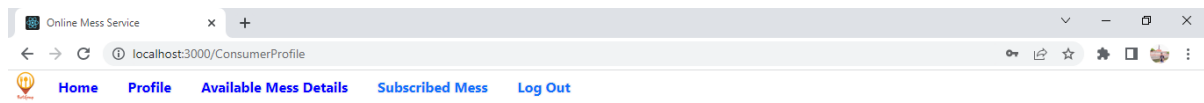
#	Mess ID	Mess Name	Mess Type	Mess Area	Menu	Subscribe this Mess
0	1005	NonVeg Special	Non-Veg	near lacsd ravet	View-Menu	Join
1	1006	ghar ka dabba	Veg	near lacsd ravet	View-Menu	Join



Our Menu

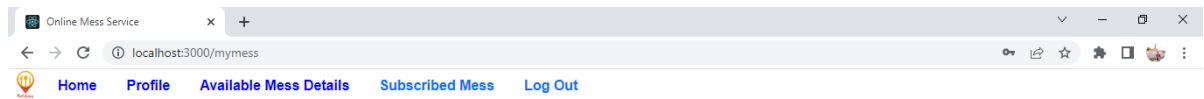
Date	Menu Description	Mess Name	Price
2023-03-04	chikan curry	NonVeg Special	50
2023-03-05	Biryani	NonVeg Special	50





Profile

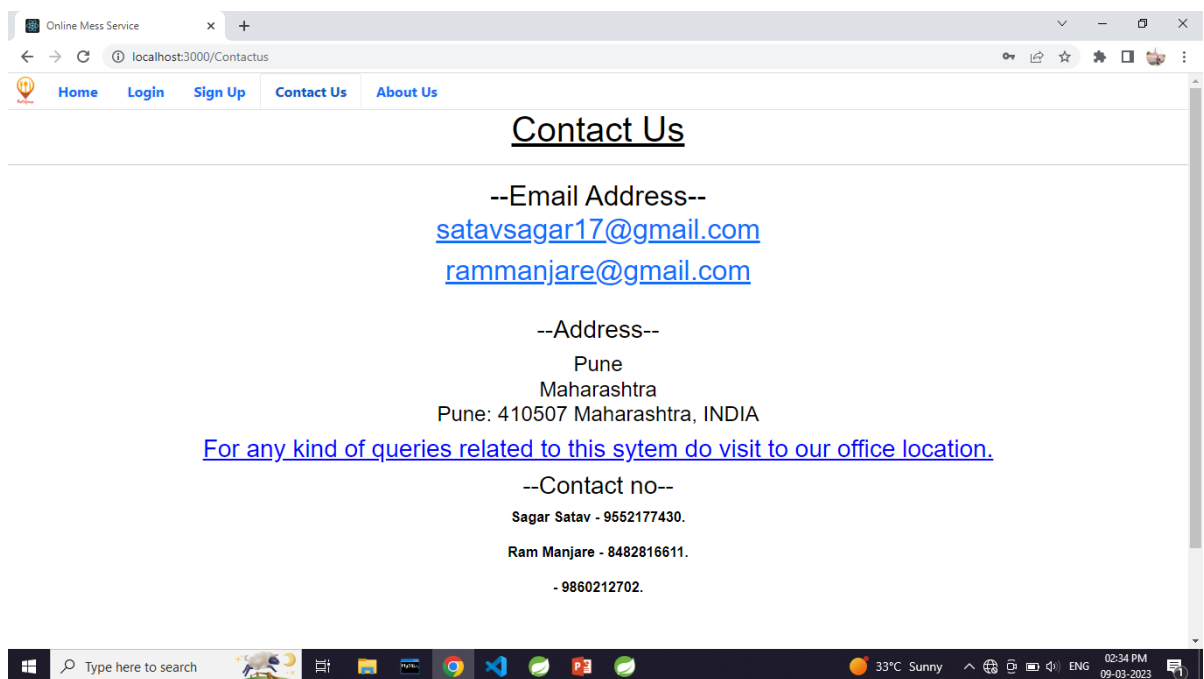
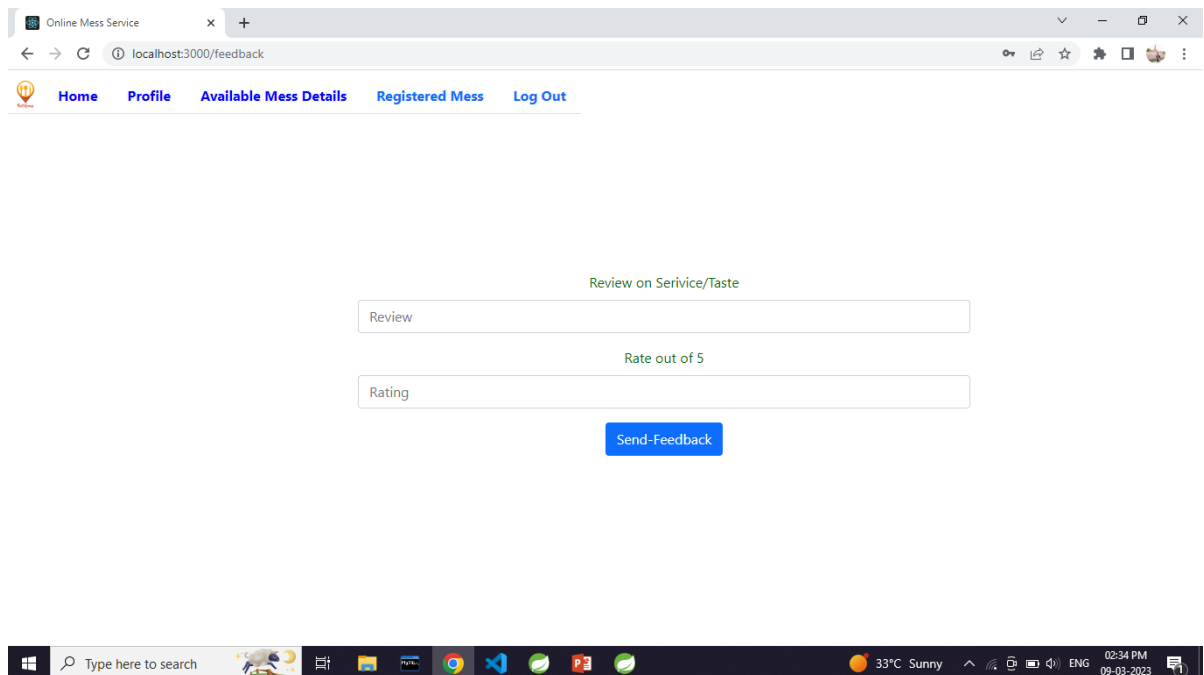
Registration ID : 107
Name : abhishek shinde
City : wagholi
Mail Id : abhishek@gmiaail.com

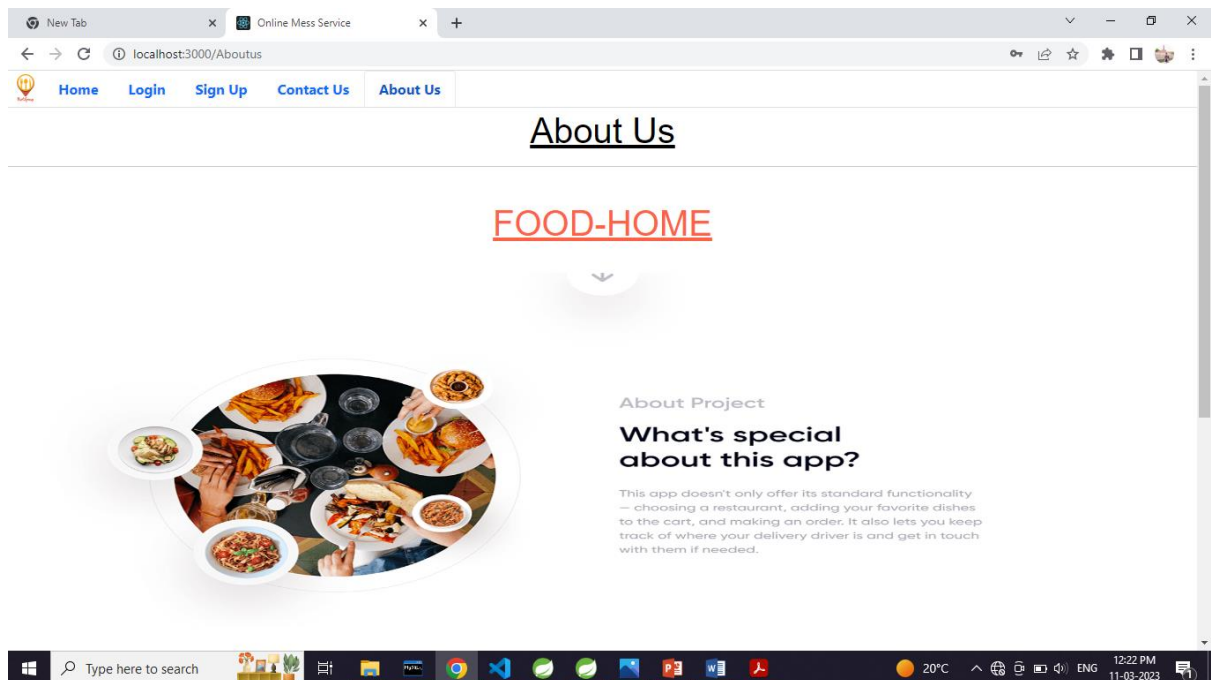


My-Messes Information --

Mess ID	Mess Name	Mess Type	Mess Area	StartDate	End-Date	See-Menu	
1005	NonVeg Special	Non-Veg	near lacsd ravet	2023-03-02	2023-04-02	View-Menu	Provide-Feedback







5. Table Structure.

user_type

Field	Type	Null	Key	Default	Extra
type_id	int	NO	PRI	NULL	auto_increment
type	varchar(255)	NO		NULL	

user_info

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	auto_increment
aadhar_no	varchar(255)	YES		NULL	
address	varchar(255)	YES		NULL	
contact_number	varchar(255)	YES		NULL	
email_id	varchar(255)	YES		NULL	
name	varchar(255)	YES		NULL	
password	varchar(255)	YES		NULL	
type_id	int	YES	MUL	NULL	

subscription_status

Field	Type	Null	Key	Default	Extra
subscription_status_id	int	NO	PRI	NULL	auto_increment
status	varchar(255)	YES		NULL	

registered_mess

Field	Type	Null	Key	Default	Extra
mess_id	int	NO	PRI	NULL	auto_increment
location	varchar(255)	YES		NULL	
mess_name	varchar(255)	YES		NULL	
mess_status_id	int	YES	MUL	NULL	
mess_type_id	int	YES	MUL	NULL	

ratings

Field	Type	Null	Key	Default	Extra
rating_id	int	NO	PRI	NULL	auto_increment
mess_id	int	YES	MUL	NULL	
review	varchar(255)	YES		NULL	
review_date	date	YES		NULL	
stars	int	YES		NULL	
user_id	int	YES		NULL	

Payments

Field	Type	Null	Key	Default	Extra
payment_id	int	NO	PRI	NULL	auto_increment
month	int	YES		NULL	
rupee	int	YES		NULL	
subscription_id	int	YES	MUL	NULL	
year	int	YES		NULL	

mess_type

Field	Type	Null	Key	Default	Extra
mess_type_id	int	NO	PRI	NULL	auto_increment
mess_type	varchar(255)	YES		NULL	

mess_subscription

Field	Type	Null	Key	Default	Extra
subscription_id	int	NO	PRI	NULL	auto_increment
end_date	date	YES		NULL	
mess_id	int	YES	MUL	NULL	
start_date	date	YES		NULL	
subscription_status_id	int	YES	MUL	NULL	
user_id	int	YES	MUL	NULL	

mess_owner

Field	Type	Null	Key	Default	Extra
mapping_id	int	NO	PRI	NULL	auto_increment
mess_id	int	YES	MUL	NULL	
user_id	int	YES		NULL	

mess_membership_status

Field	Type	Null	Key	Default	Extra
mess_status_id	int	NO	PRI	NULL	auto_increment
status	varchar(255)	YES		NULL	

menu_table

Field	Type	Null	Key	Default	Extra
menu_id	int	NO	PRI	NULL	auto_increment
date	date	YES		NULL	
menu	varchar(255)	YES		NULL	
mess_id	int	YES	MUL	NULL	
price	int	YES		NULL	

6. CONCLUSION

□ Conclusion:

In the current competitive world, many youths travel to different unknown locations for their basic education or jobs. The main problem they face is the food they get, and they crave for homemade food, but it is difficult to find it. On the other hand, some housewives wish to work and earn money to gain financial independence. It is difficult for these ladies to reach customers and market their products. So this online mess service will provide the common platform for those mess owner and students or youths to register mess and spend money according to service provided by owner. And also reduces the searching efforts of messes for youths and also giving financial help to mess owner.

□ Future Enhancement:

Future extensions for step-up of project.

- Association with Google maps
- Payment mode
- Discount /offer management
- Billing

Estimated time of implementation.

- 4 weeks

Benefits of future extension.

- Growth for registered messes through advertisements
- Attractive UI
- Richer user experience
- Robustness in application

7. References

- <https://www.w3schools.com/>
- <https://react-bootstrap.github.io/components/carousel/>
- <https://www.geeksforgeeks.org/reactjs-tutorials/>
- <https://javaee.github.io/javaee-spec/javadocs/>
- <https://reactjs.org/docs/getting-started.html>