INSTITUTE FOR ADVANCED COMPUTING AND SOFTWARE DEVELOPMENT AKURDI, PUNE

Documentation On

"ONLINE MESS SERVICE"

PG-DAC SEP 2022

Submitted By:

Group No: 83

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ACKNOWLEDGEMENT

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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:

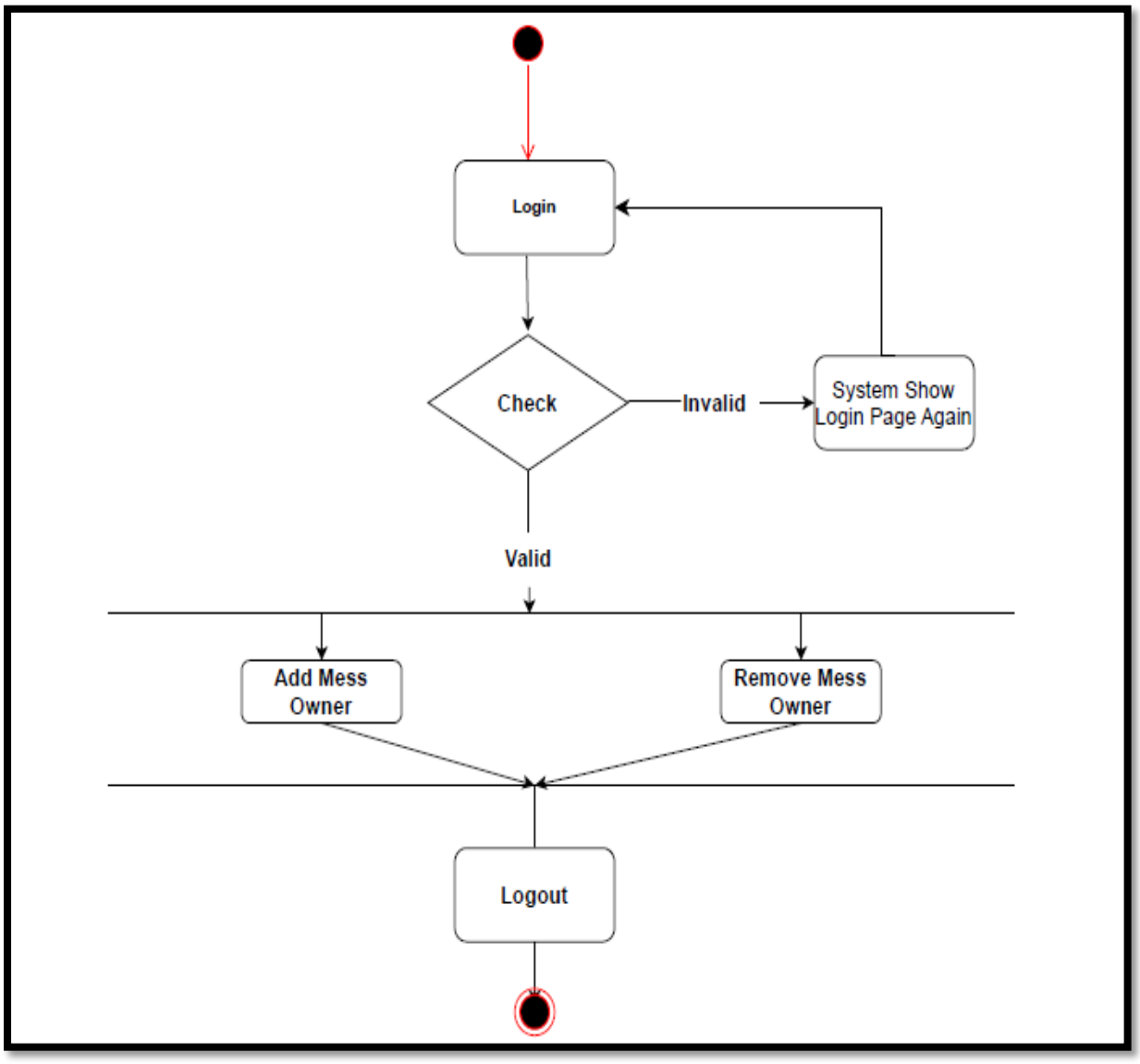
• This system uses communication resources which includes but not limited to, HTTP protocol for communication with the web browser and web server and TCP/IP network protocol with HTTP protocol.

• 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.

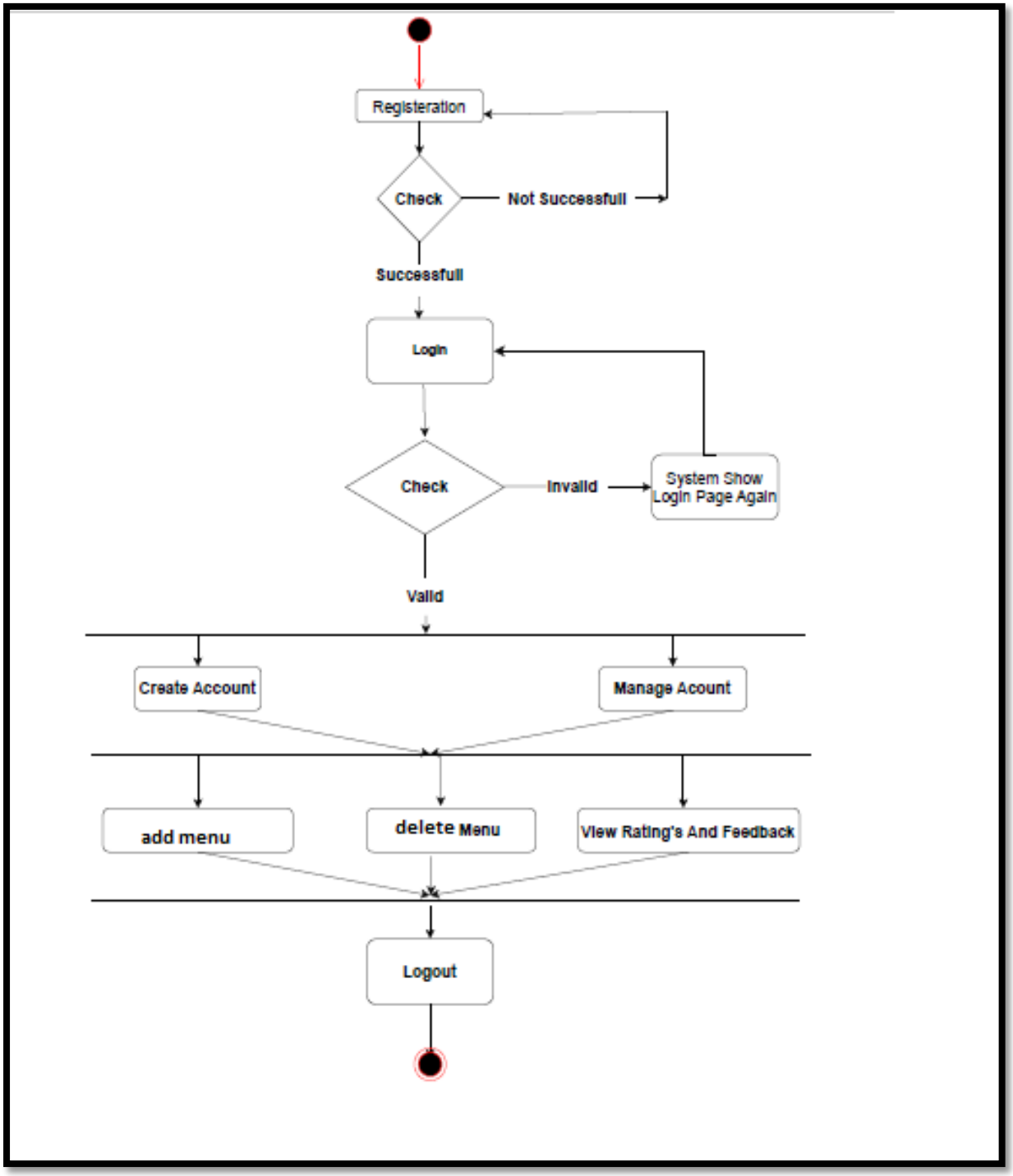
4. System Diagrams.

Activity Diagram:

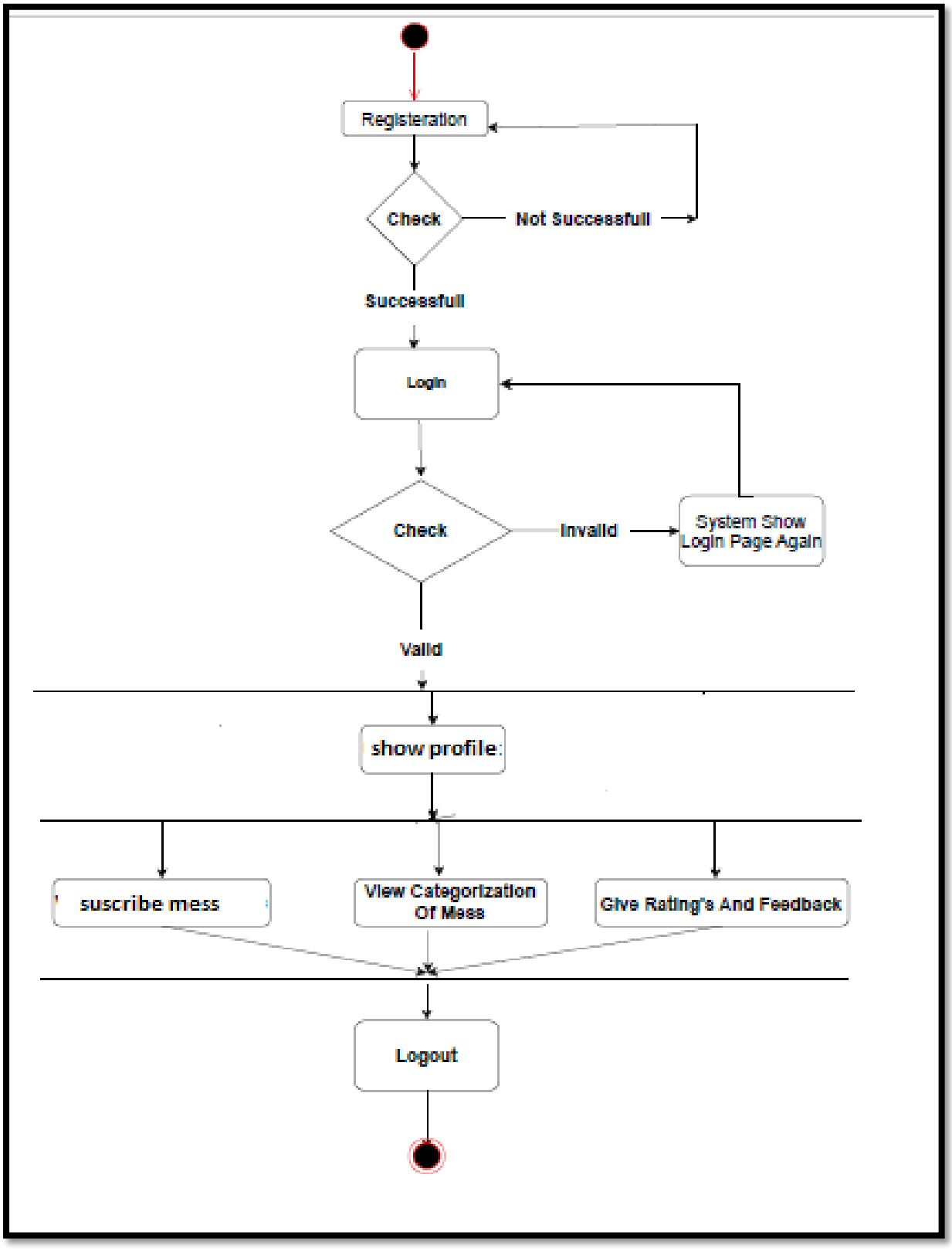
Admin Activity:



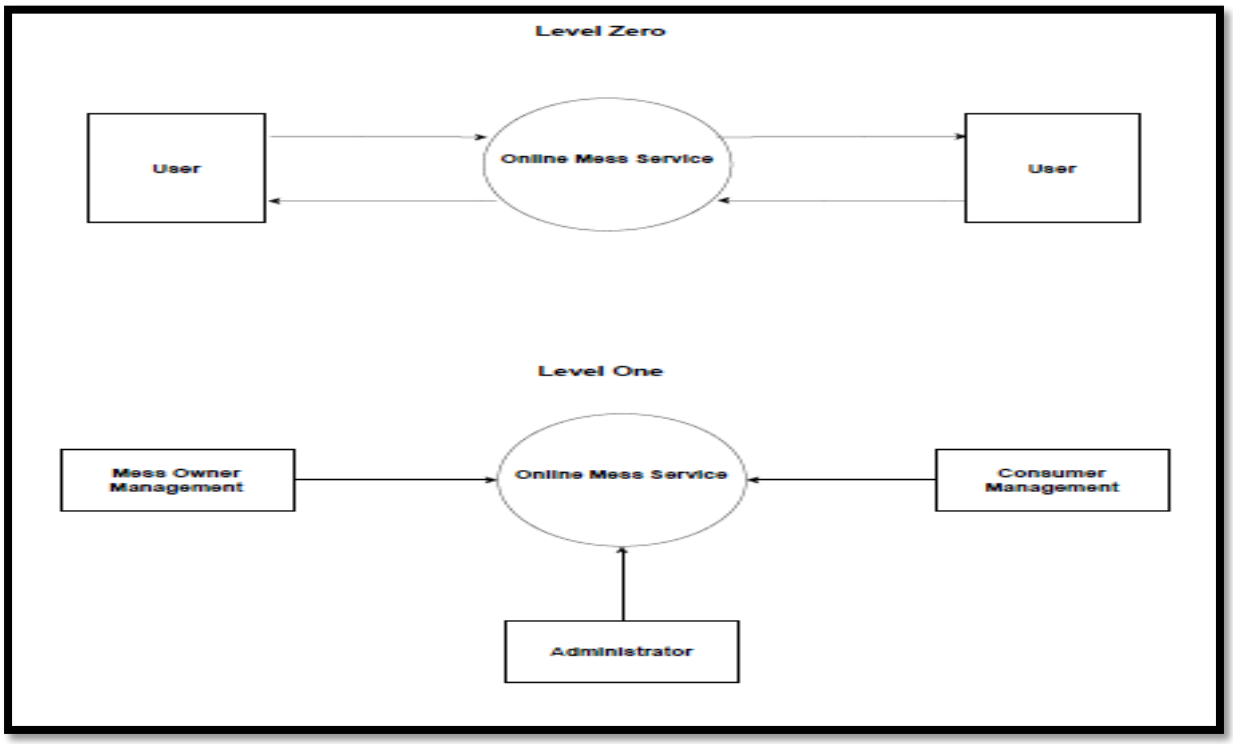
Activity Diagram of Mess Owner

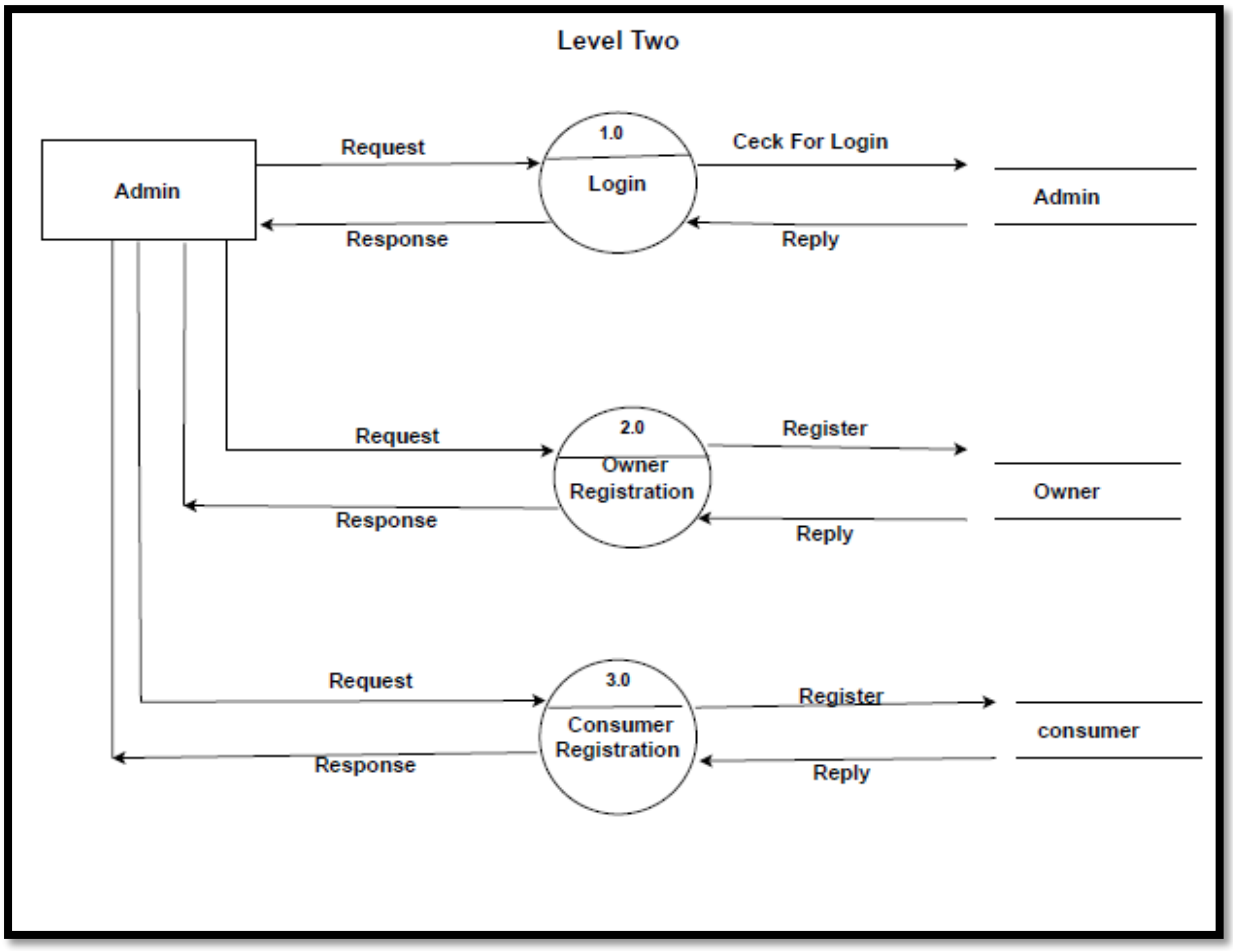


Activity Diagram of Customer



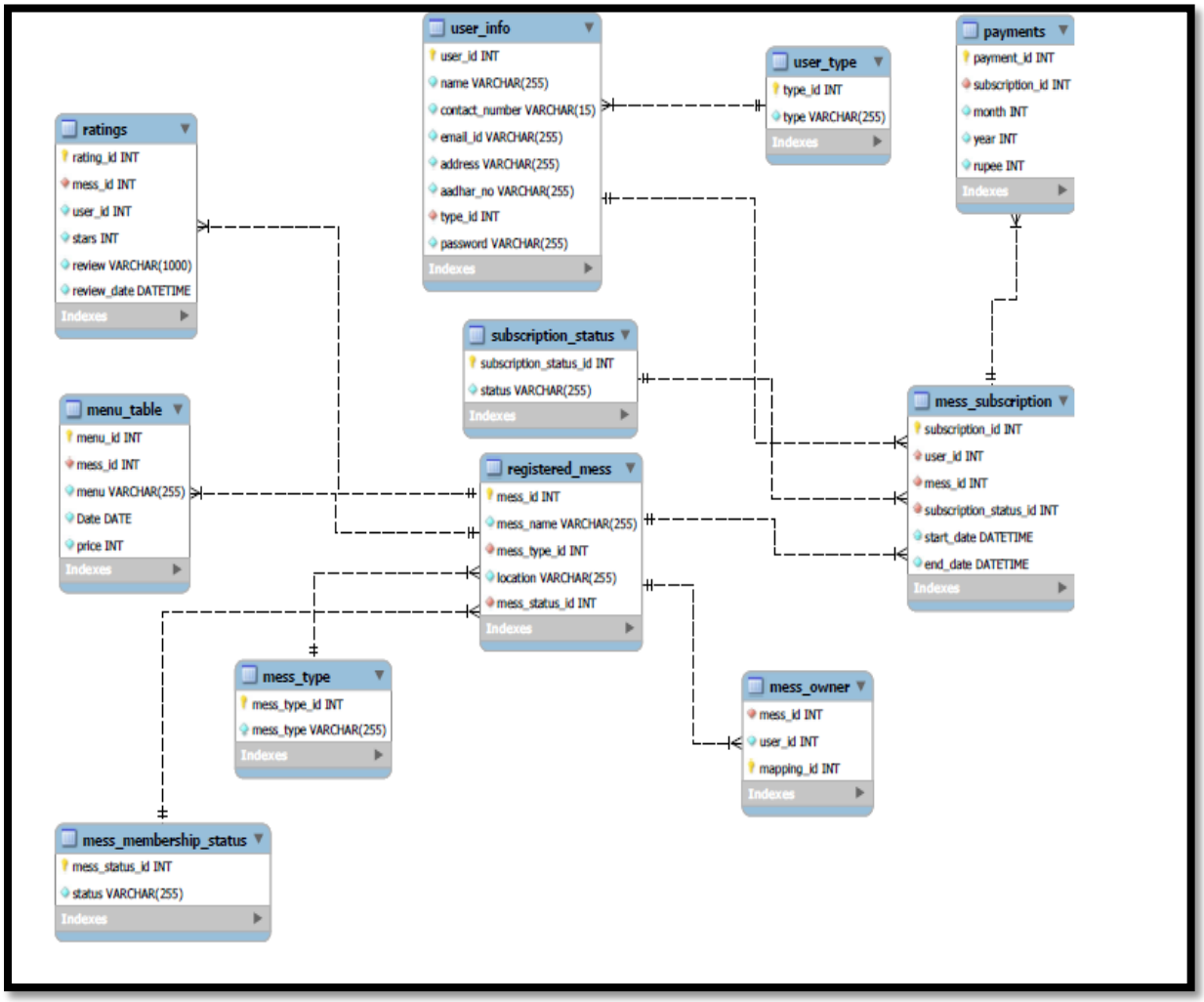
 Data Flow diagram:

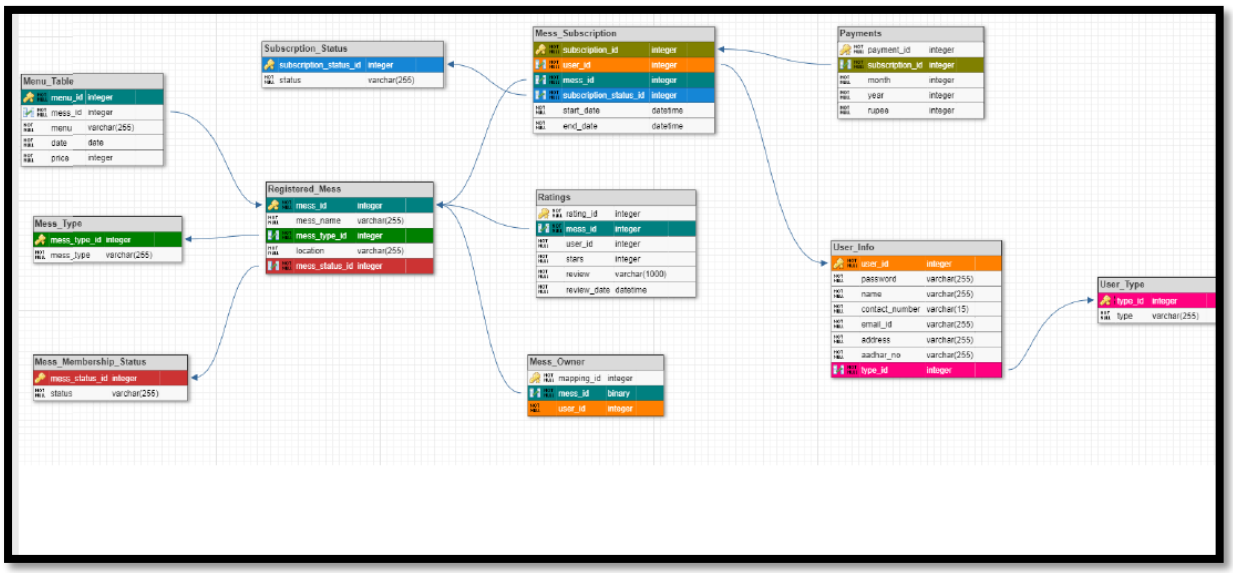




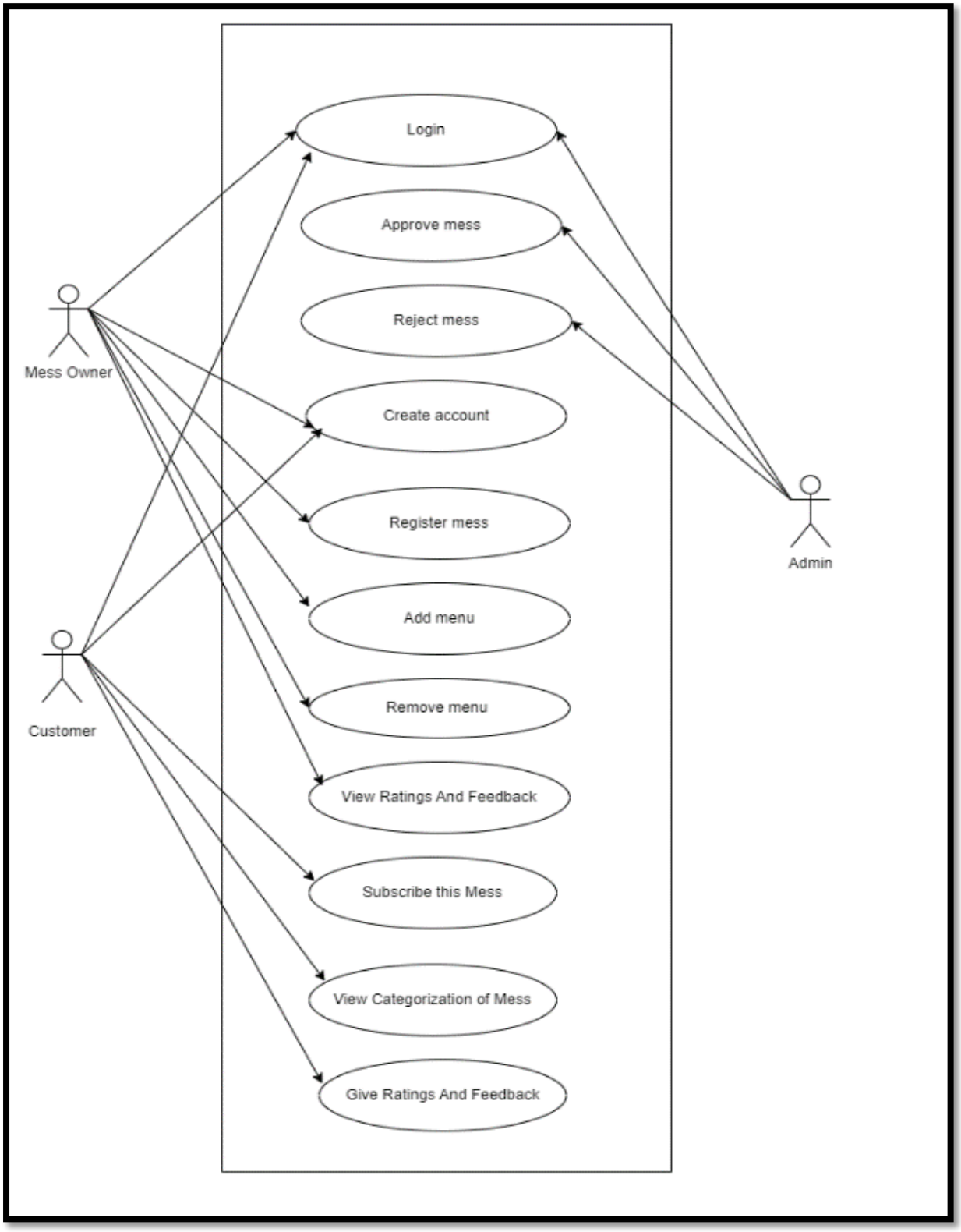
□ ER Diagram

(system generated)

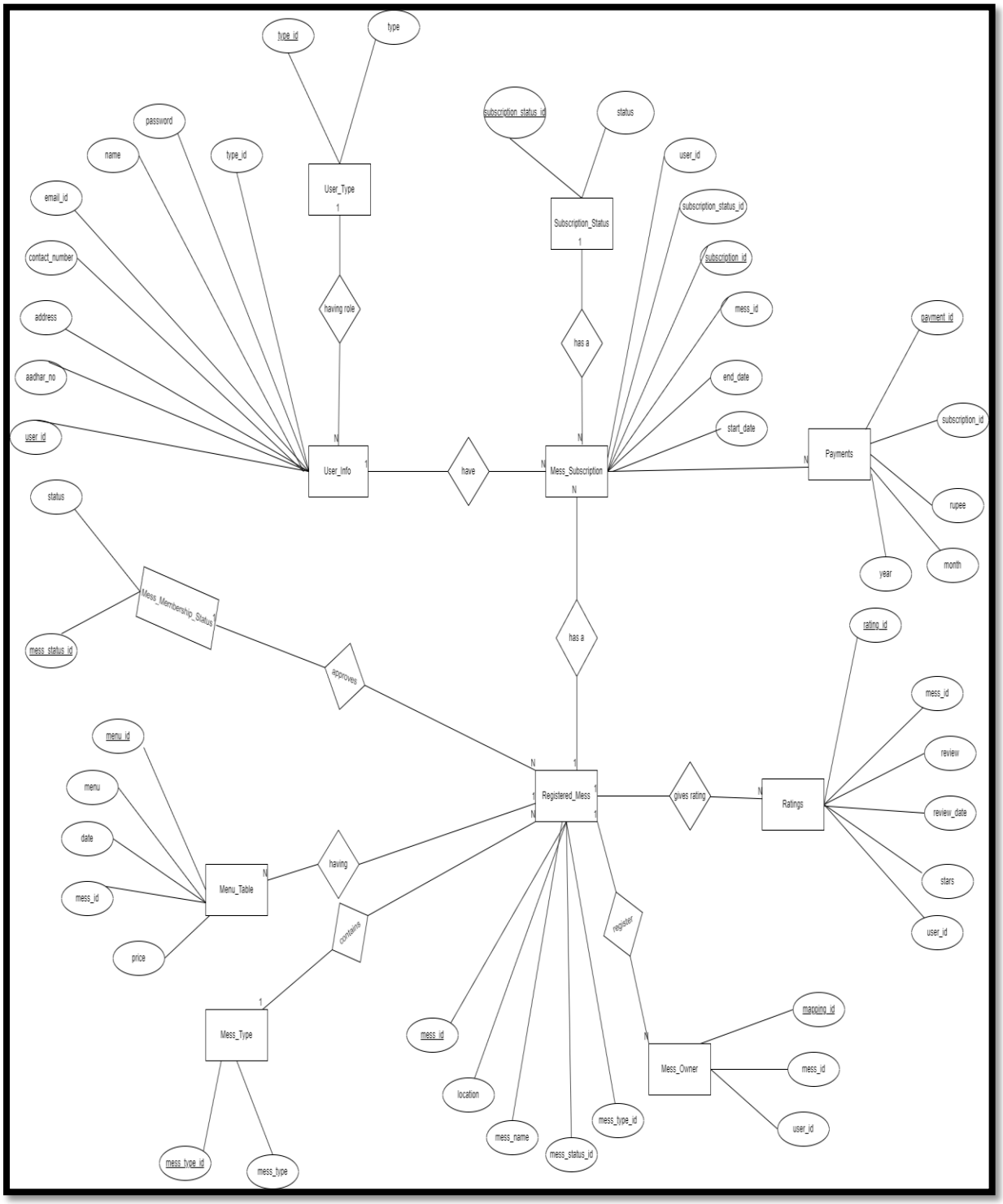




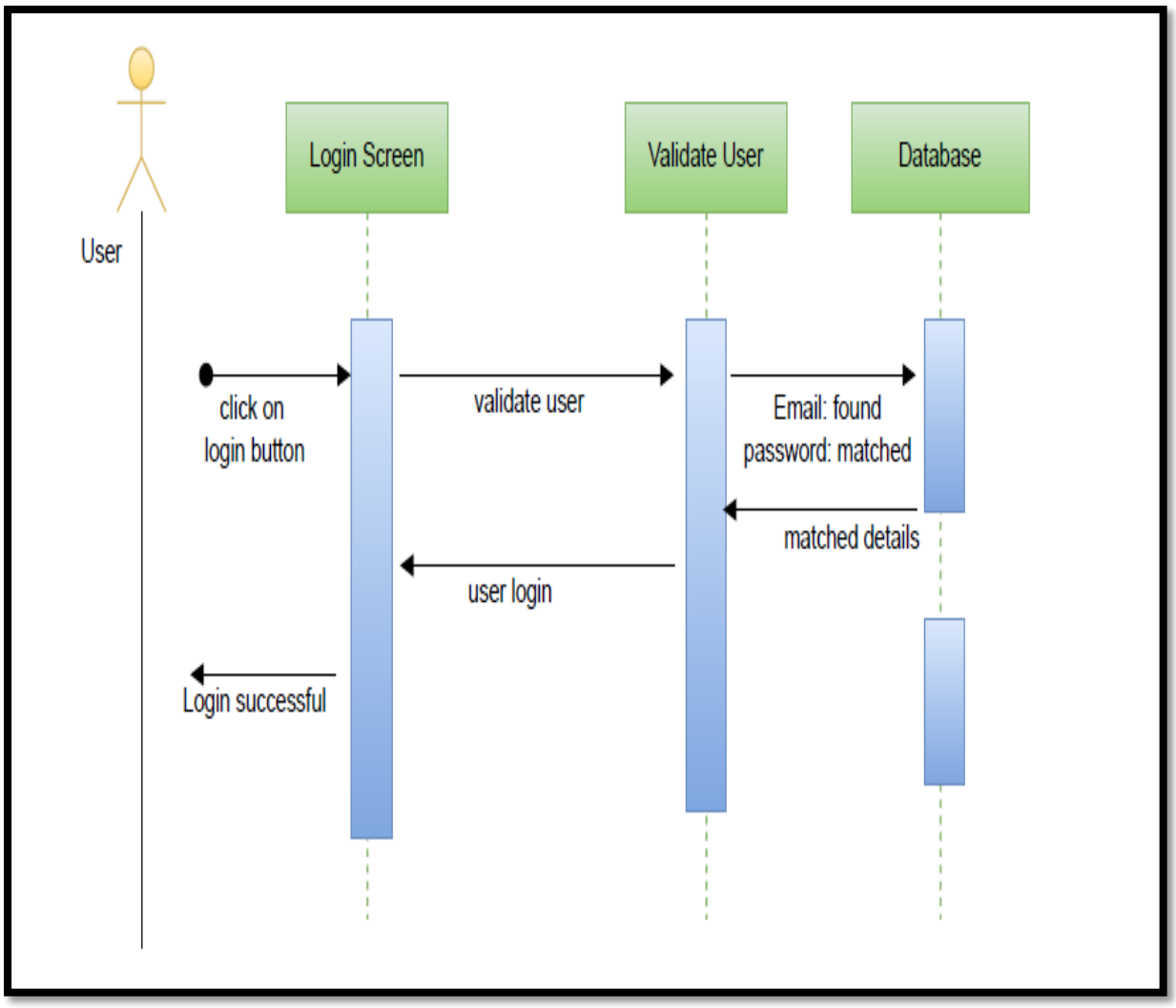
Use Case Diagram:



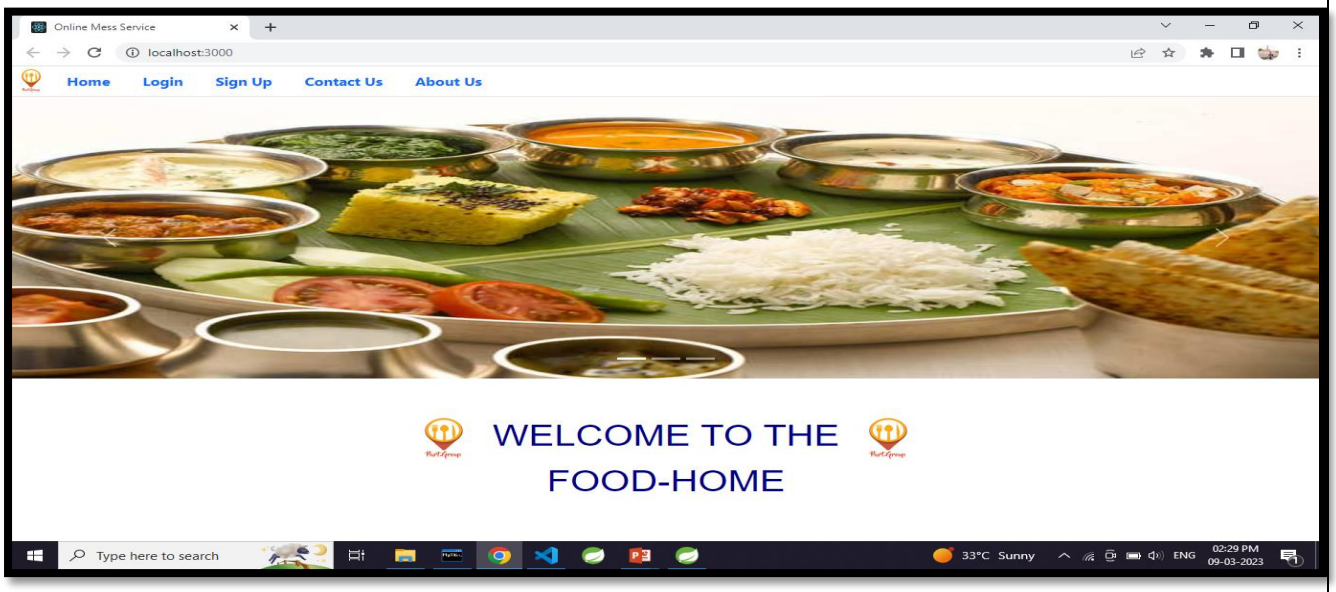
ER Diagram:

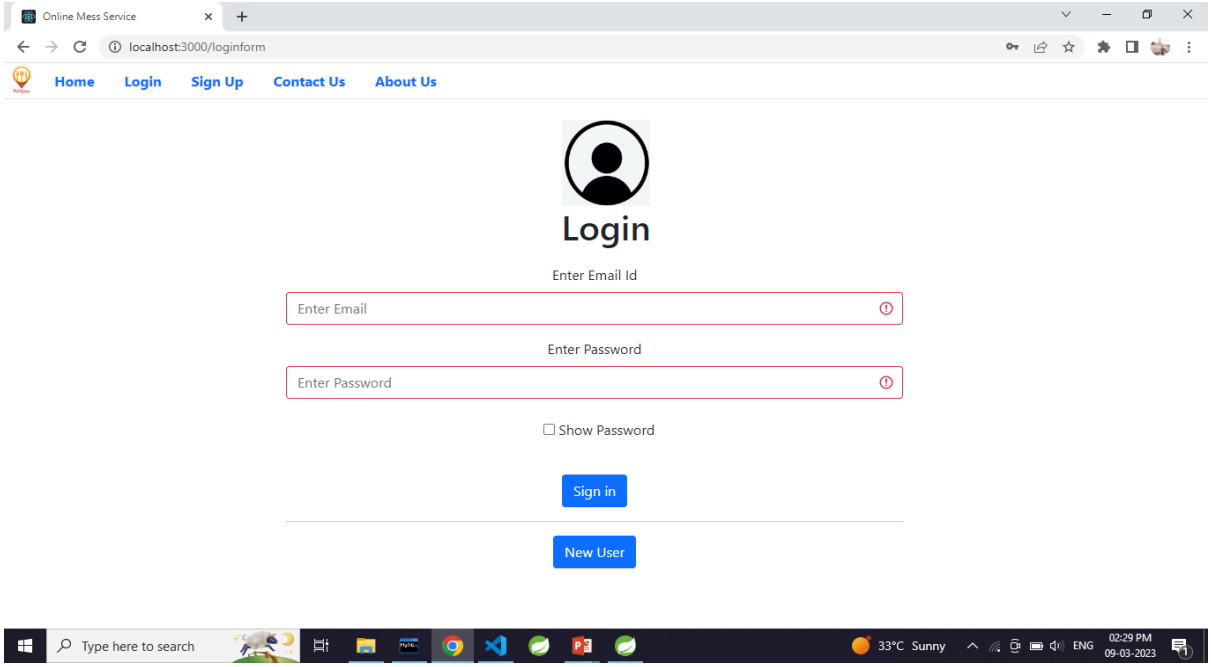

type_id
type
password
name
type_id
email_id
contact_number
address
aadhar_no
user_id
User_Type
1
having role
N
User_Info
1
subscription_status_id
status
Subscription_Status
1
has a
N
have
N
Mess_Subscription
N
user_id
subscription_status_id
subscription_id
mess_id
end_date
start_date
payment_id
subscription_id
rupee
month
year
Payments
N
status
Mess_Membership_Status
1
mess_status_id
approves
has a
menu_id
menu
date
mess_id
price
Menu_Table
N
having
N
1
N
1
Registered_Mess
1
1
N
1
gives rating
N
Ratings
rating_id
mess_id
review
review_date
stars
user_id
contains
1
Mess_Type
mess_type_id
mess_type
mess_id
location
mess_name
mess_status_id
mess_type_id
register
N
Mess_Owner
mapping_id
mess_id
user_id

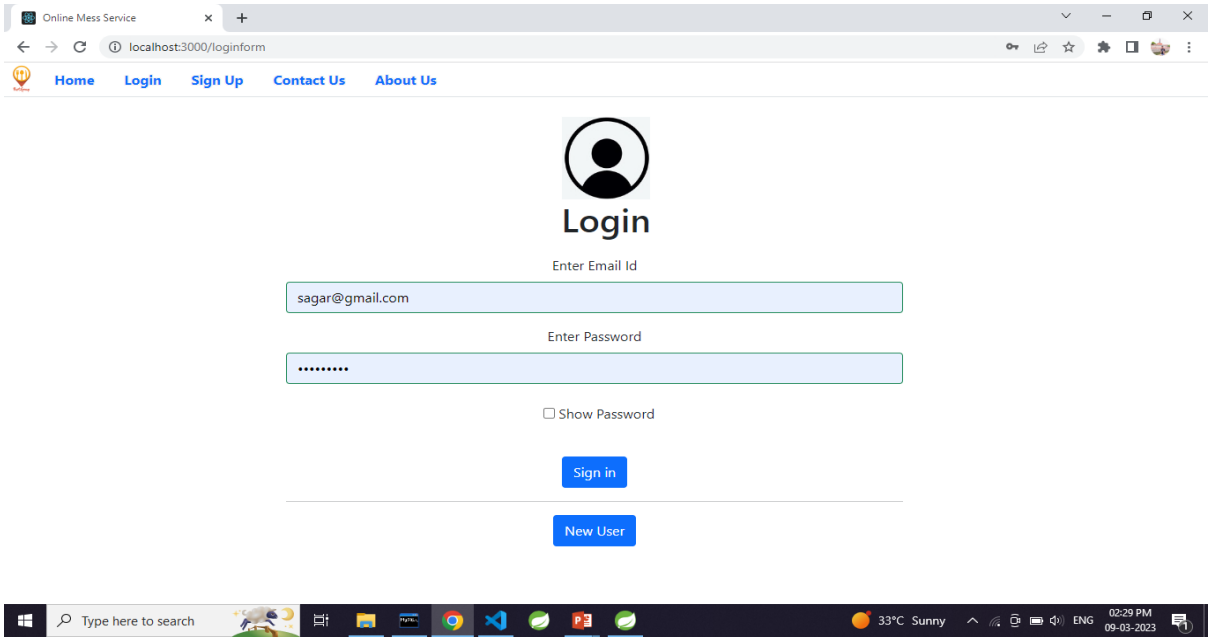
Sequence diagram for login:

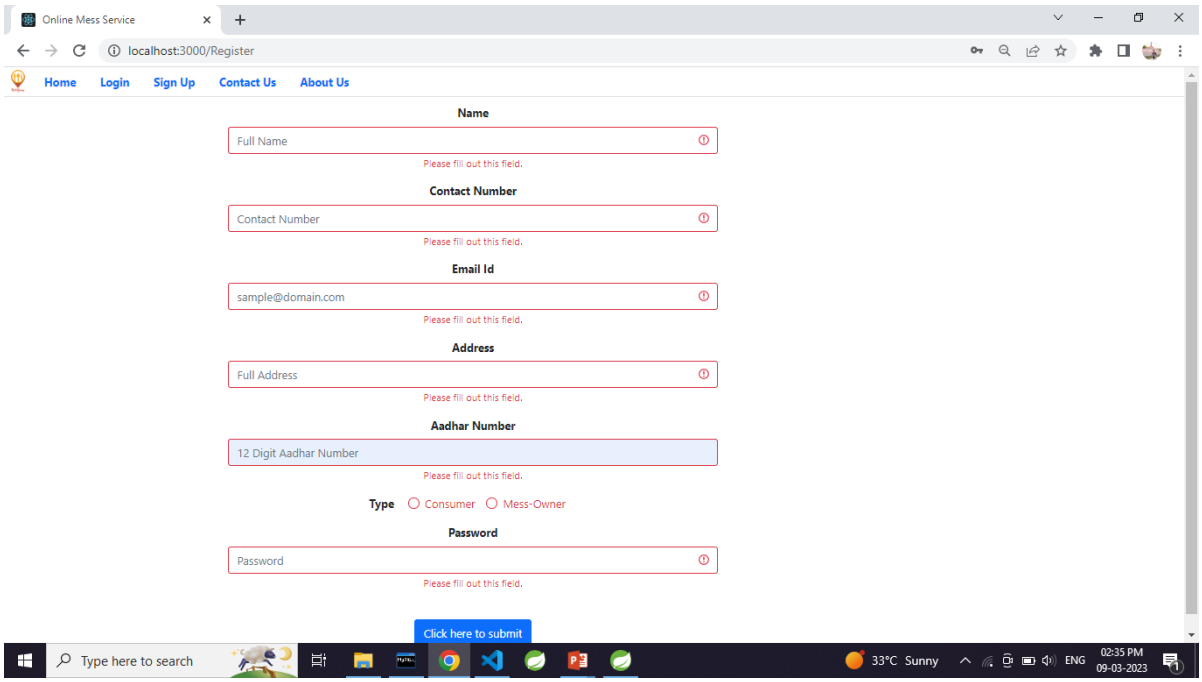


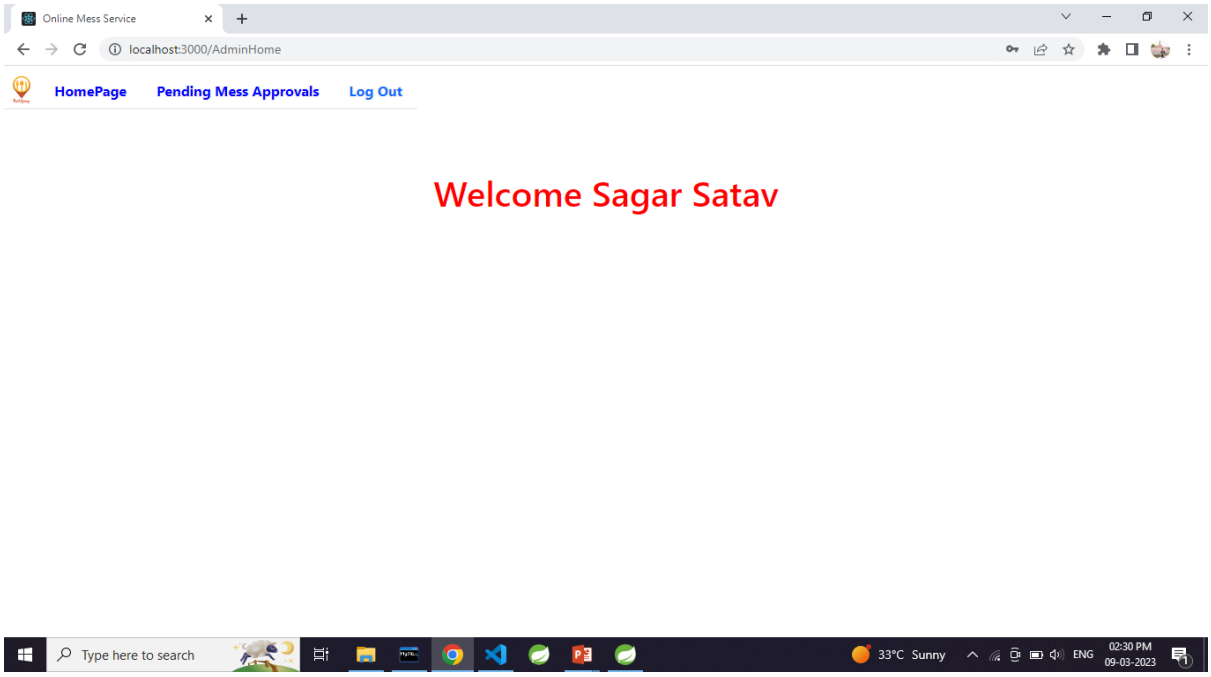
PROJECT DIAGRAMS

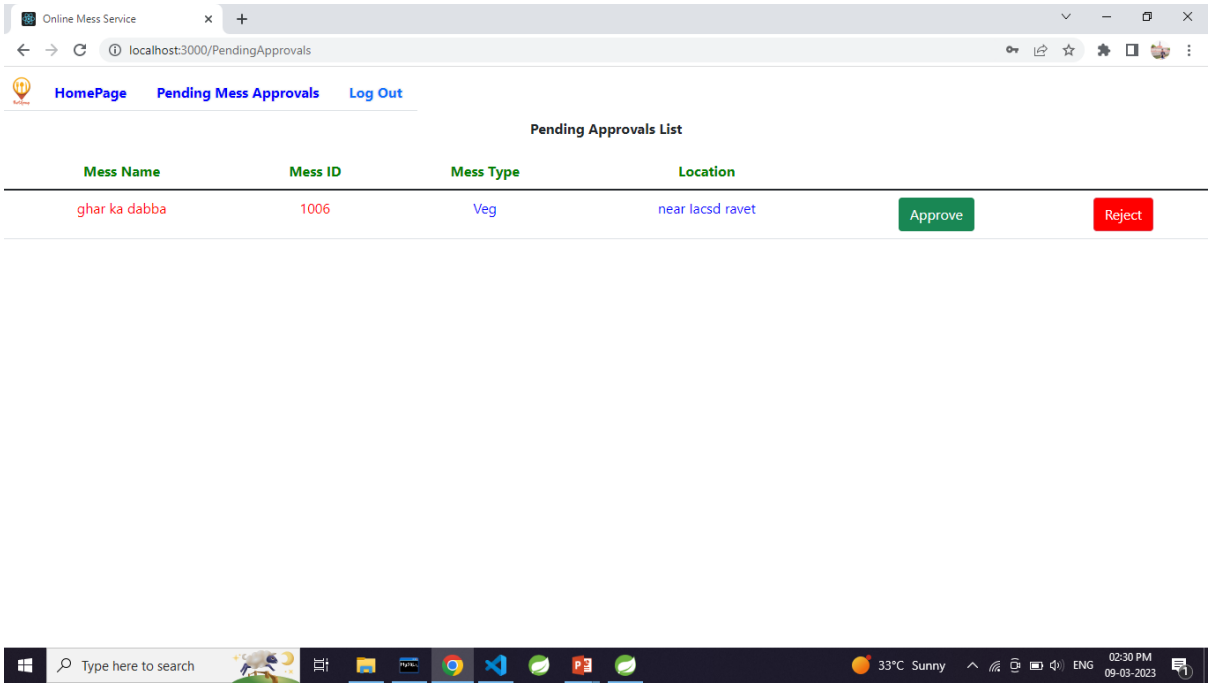


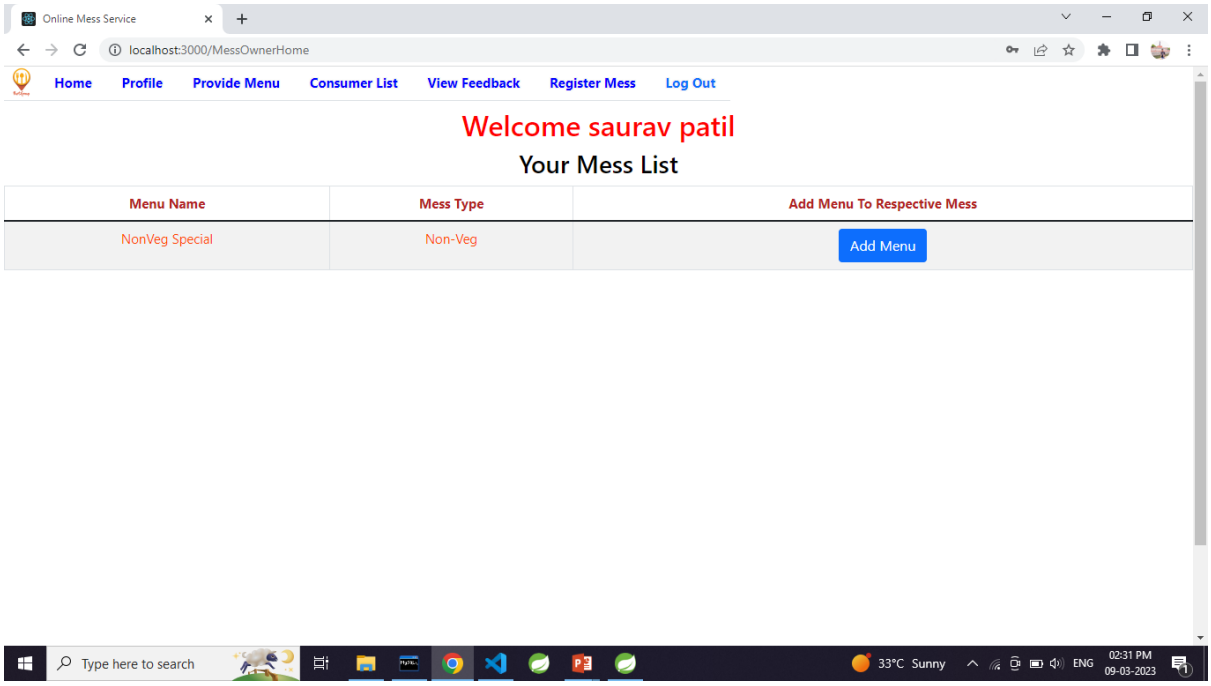


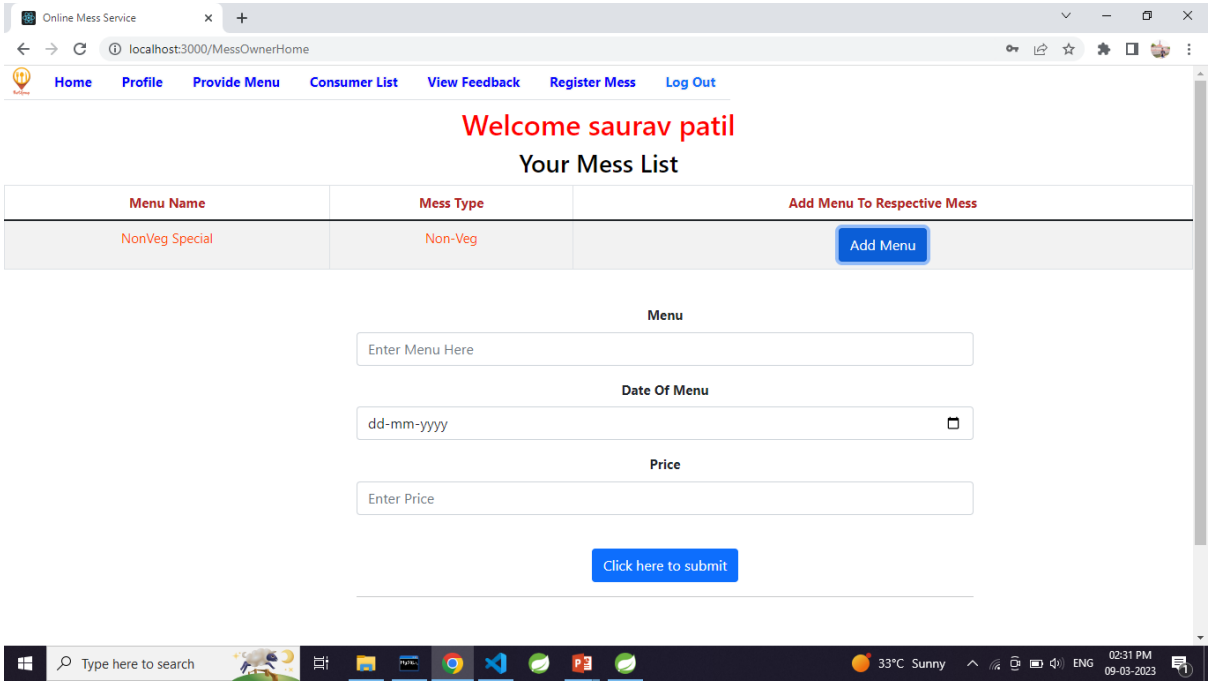

Online Mess Service
localhost:3000/loginform
Home
Login
Sign Up
Contact Us
About Us
Login
Enter Email Id
sagar@gmail.com
Enter Password
Show Password
Sign in
New User
Type here to search
33°C Sunny
ENG
02:29 PM
09-03-2023

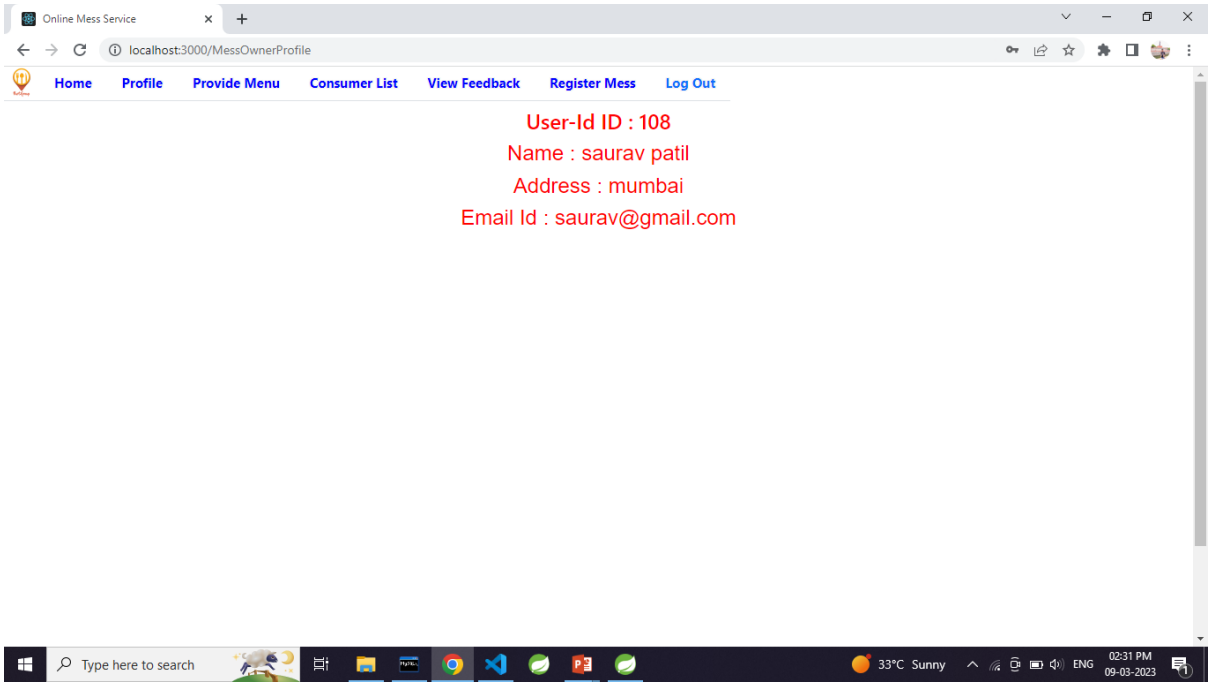

Online Mess Service
localhost:3000/Register
Home
Login
Sign Up
Contact Us
About Us
Name
Full Name
Please fill out this field.
Contact Number
Contact Number
Please fill out this field.
Email Id
sample@domain.com
Please fill out this field.
Address
Full Address
Please fill out this field.
Aadhar Number
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
ENG
02:35 PM
09-03-2023

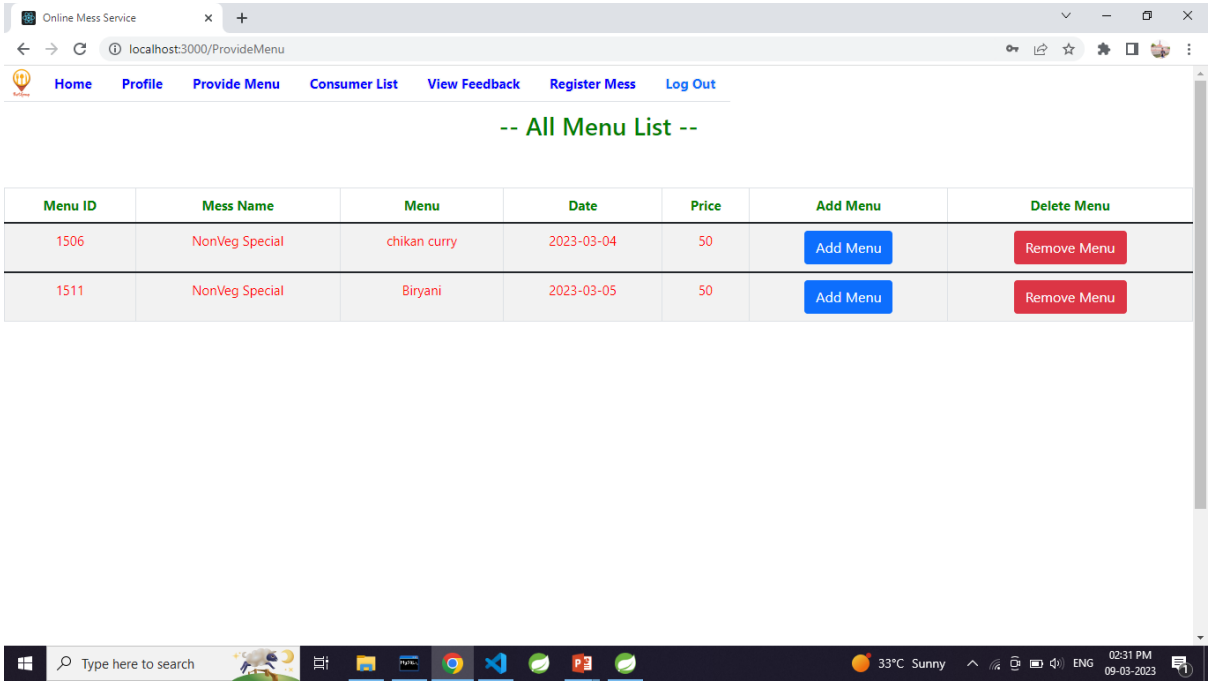

Online Mess Service
localhost:3000/AdminHome
HomePage
Pending Mess Approvals
Log Out
Welcome Sagar Satav
Type here to search
33°C Sunny
ENG
02:30 PM
09-03-2023

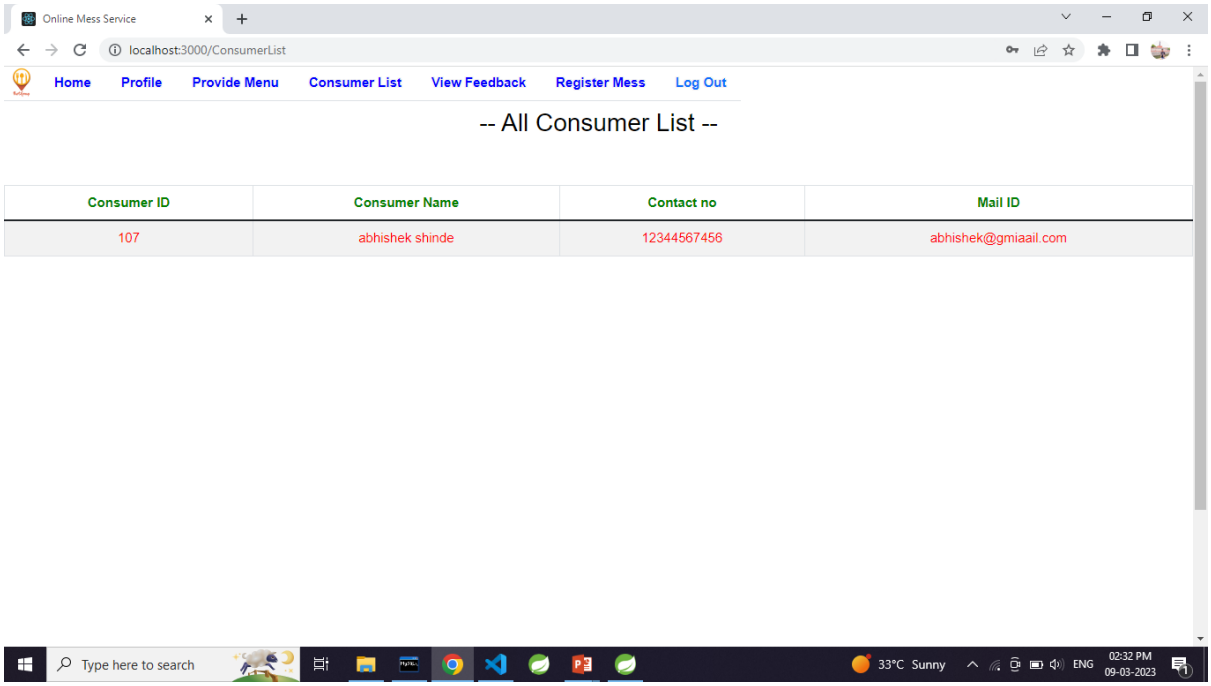

Online Mess Service
localhost:3000/PendingApprovals
HomePage
Pending Mess Approvals
Log Out
Pending Approvals List
Mess Name
Mess ID
Mess Type
Location
ghar ka dabba
1006
Veg
near lacsd ravet
Approve
Reject
Type here to search
33°C Sunny
ENG
02:30 PM
09-03-2023

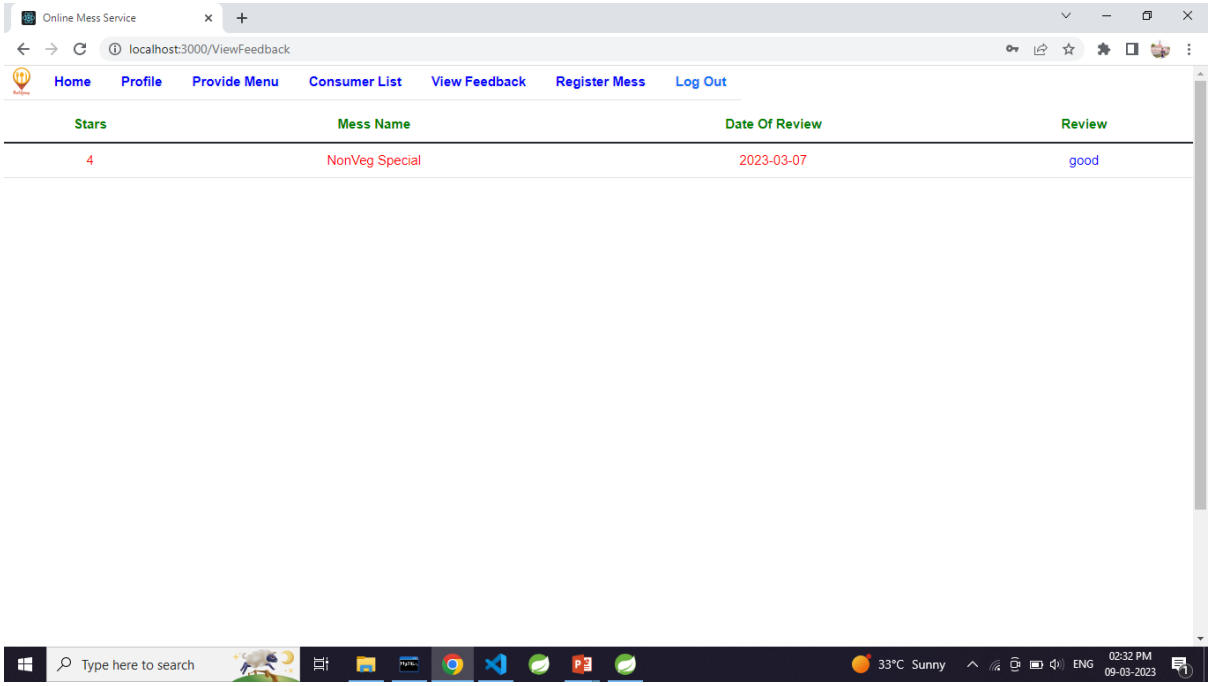

Online Mess Service
localhost:3000/MessOwnerHome
Home
Profile
Provide Menu
Consumer List
View Feedback
Register Mess
Log Out
Welcome saurav patil
Your Mess List
Menu Name
Mess Type
Add Menu To Respective Mess
NonVeg Special
Non-Veg
Add Menu
Type here to search
33°C Sunny
ENG
02:31 PM
09-03-2023

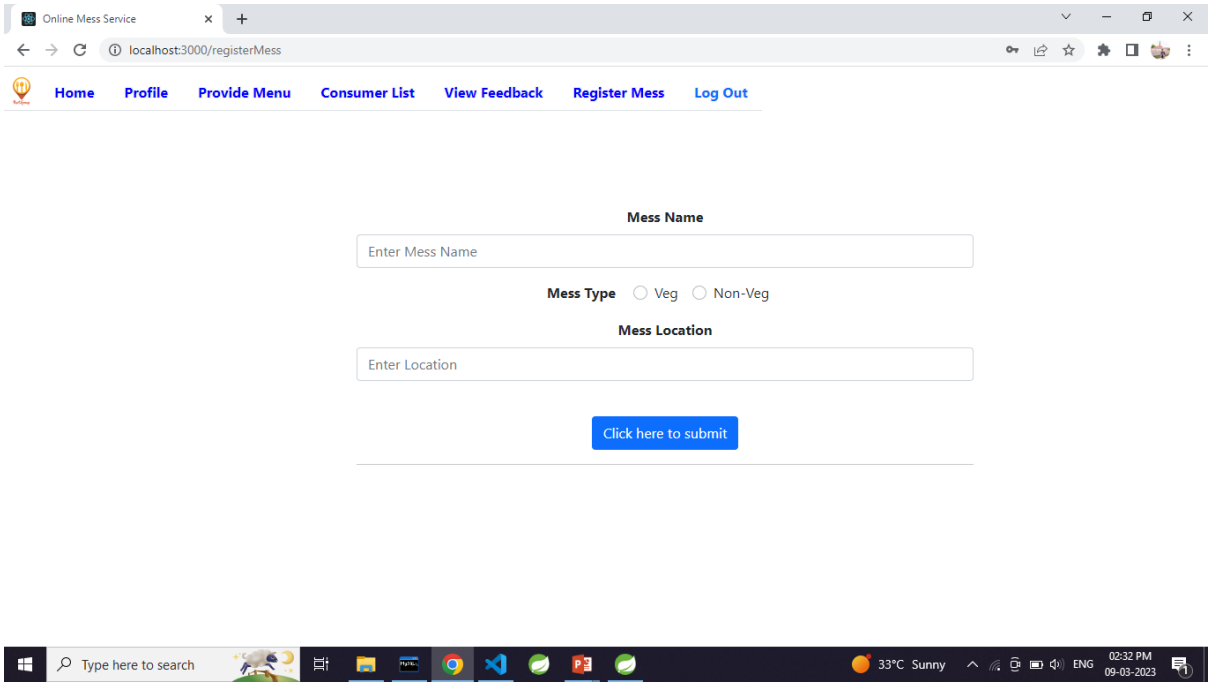

Online Mess Service
localhost:3000/MessOwnerHome
Home
Profile
Provide Menu
Consumer List
View Feedback
Register Mess
Log Out
Welcome saurav patil
Your Mess List
Menu Name
Mess Type
Add Menu To Respective Mess
NonVeg Special
Non-Veg
Add Menu
Menu
Enter Menu Here
Date Of Menu
dd-mm-yyyy
Price
Enter Price
Click here to submit
Type here to search
33°C Sunny
ENG
02:31 PM
09-03-2023

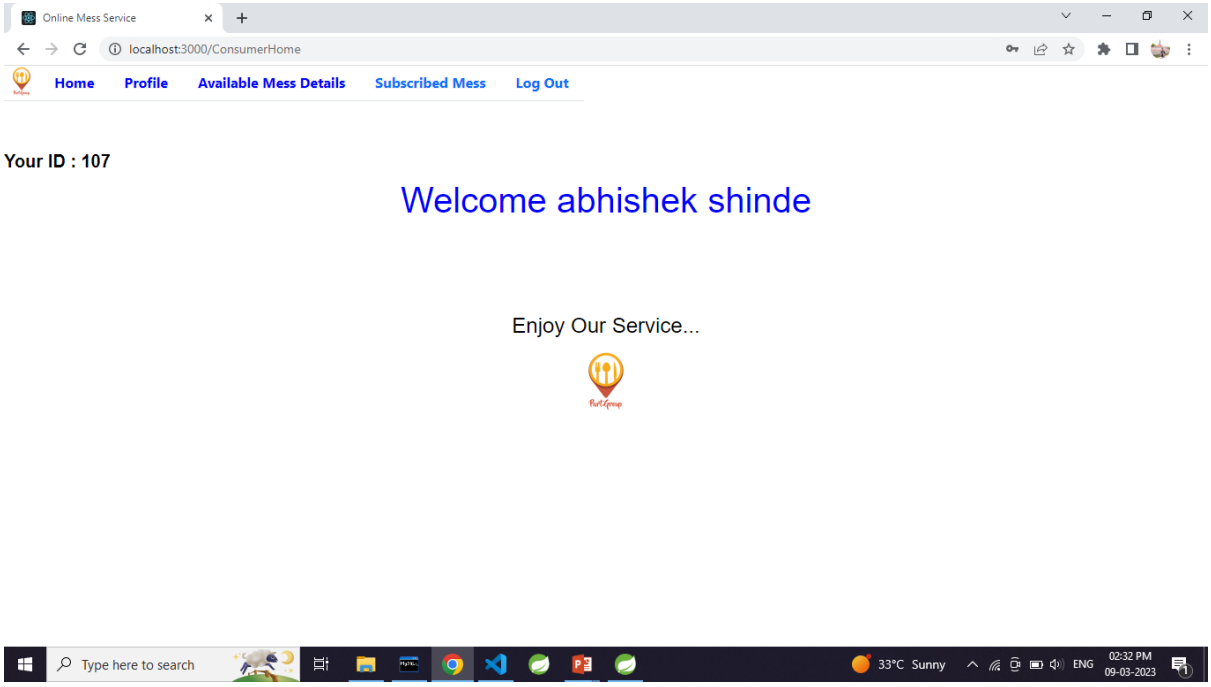

Online Mess Service
localhost:3000/MessOwnerProfile
Home
Profile
Provide Menu
Consumer List
View Feedback
Register Mess
Log Out
User-Id ID : 108
Name : saurav patil
Address : mumbai
Email Id : saurav@gmail.com
Type here to search
33°C Sunny
ENG
02:31 PM
09-03-2023

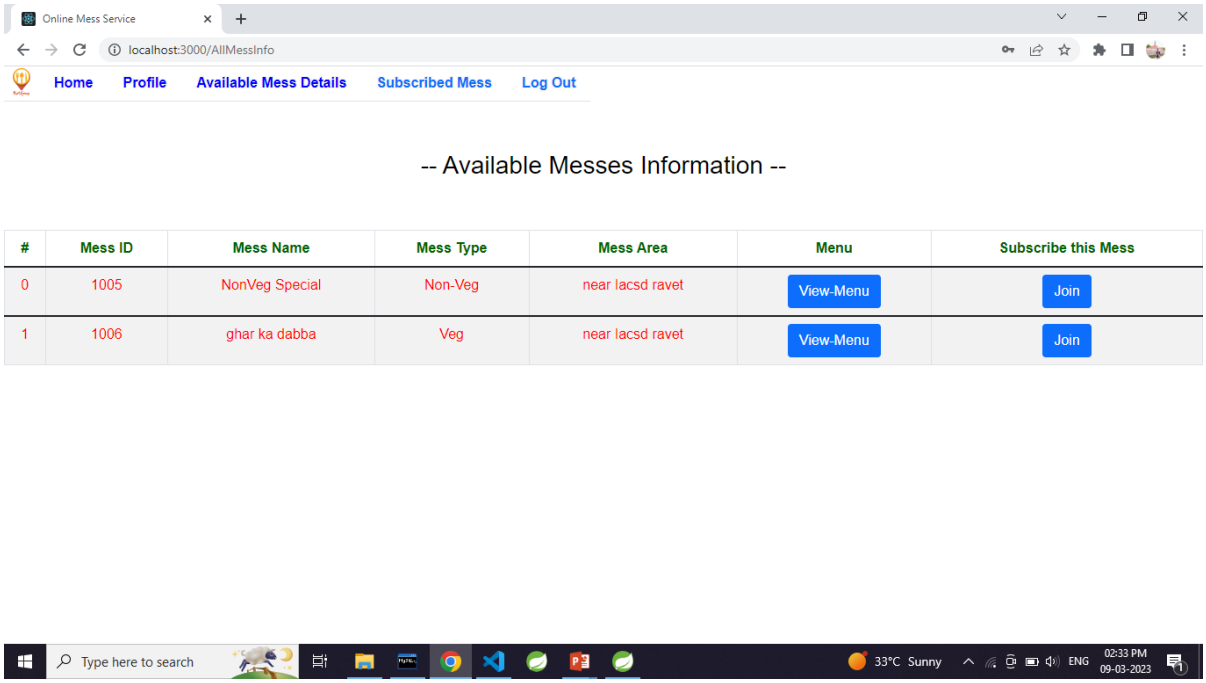

Online Mess Service
localhost:3000/ProvideMenu
Home
Profile
Provide Menu
Consumer List
View Feedback
Register Mess
Log Out
-- All Menu List --
Menu ID
Mess Name
Menu
Date
Price
Add Menu
Delete Menu
1506
NonVeg Special
chikan curry
2023-03-04
50
Add Menu
Remove Menu
1511
NonVeg Special
Biryani
2023-03-05
50
Add Menu
Remove Menu
Type here to search
33°C Sunny
ENG
02:31 PM
09-03-2023

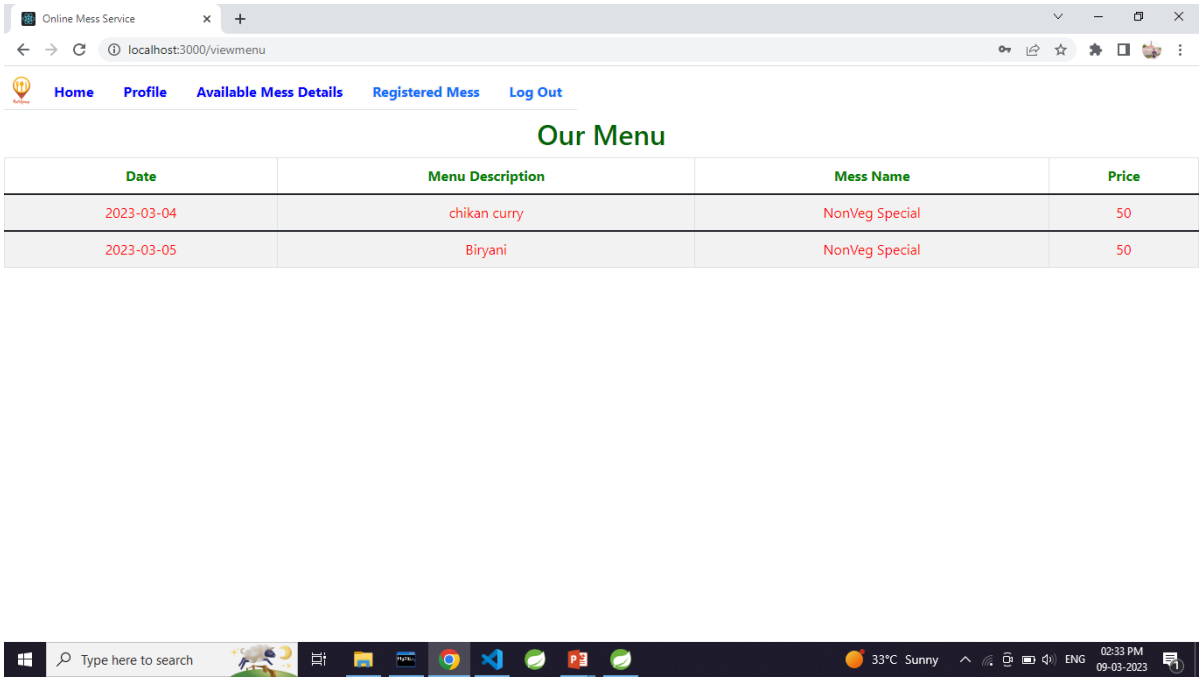

Online Mess Service
localhost:3000/ConsumerList
Home
Profile
Provide Menu
Consumer List
View Feedback
Register Mess
Log Out
-- All Consumer List --
Consumer ID
Consumer Name
Contact no
Mail ID
107
abhishek shinde
12344567456
abhishek@gmiaail.com
Type here to search
33°C Sunny
ENG
02:32 PM
09-03-2023

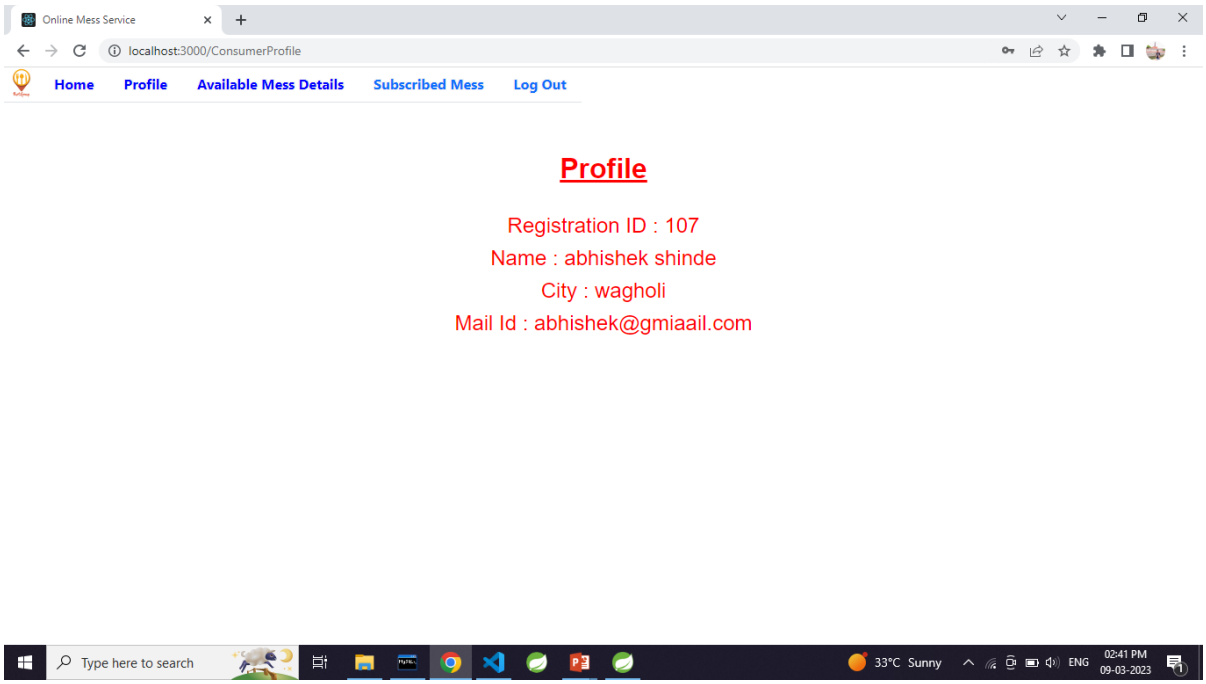

Online Mess Service
localhost:3000/ViewFeedback
Home
Profile
Provide Menu
Consumer List
View Feedback
Register Mess
Log Out
Stars
Mess Name
Date Of Review
Review
4
NonVeg Special
2023-03-07
good
Type here to search
33°C Sunny
ENG
02:32 PM
09-03-2023

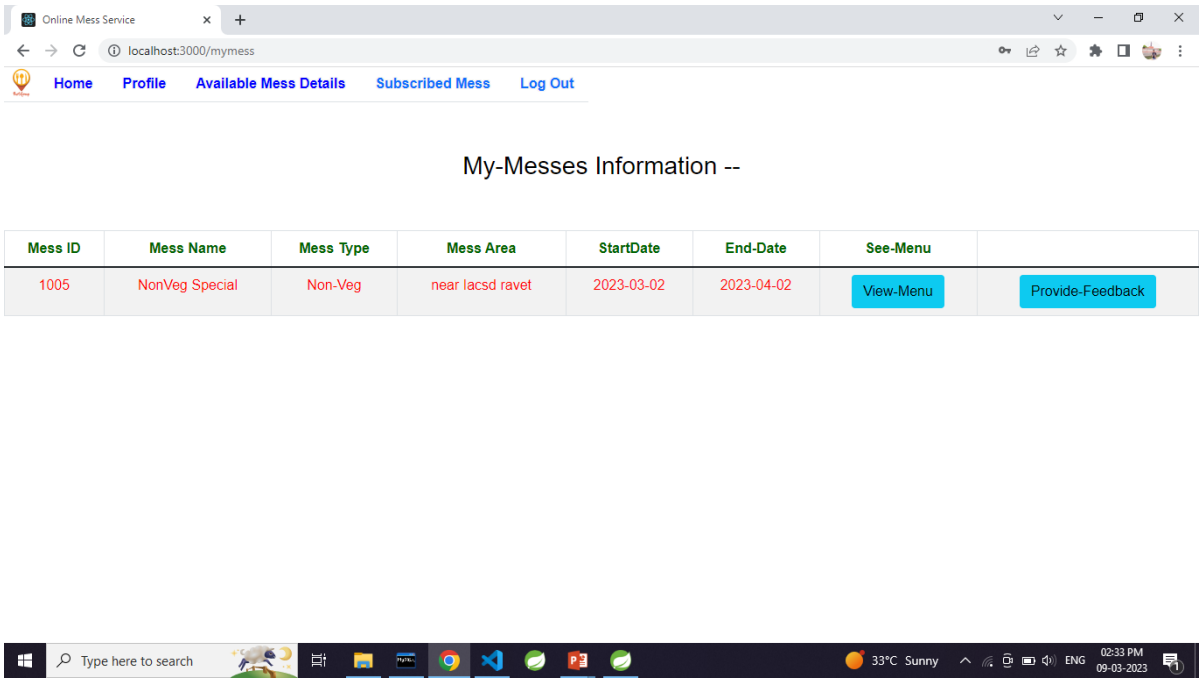

Online Mess Service
localhost:3000/registerMess
Home
Profile
Provide Menu
Consumer List
View Feedback
Register Mess
Log Out
Mess Name
Enter Mess Name
Mess Type
Veg
Non-Veg
Mess Location
Enter Location
Click here to submit
Type here to search
33°C Sunny
ENG
02:32 PM
09-03-2023

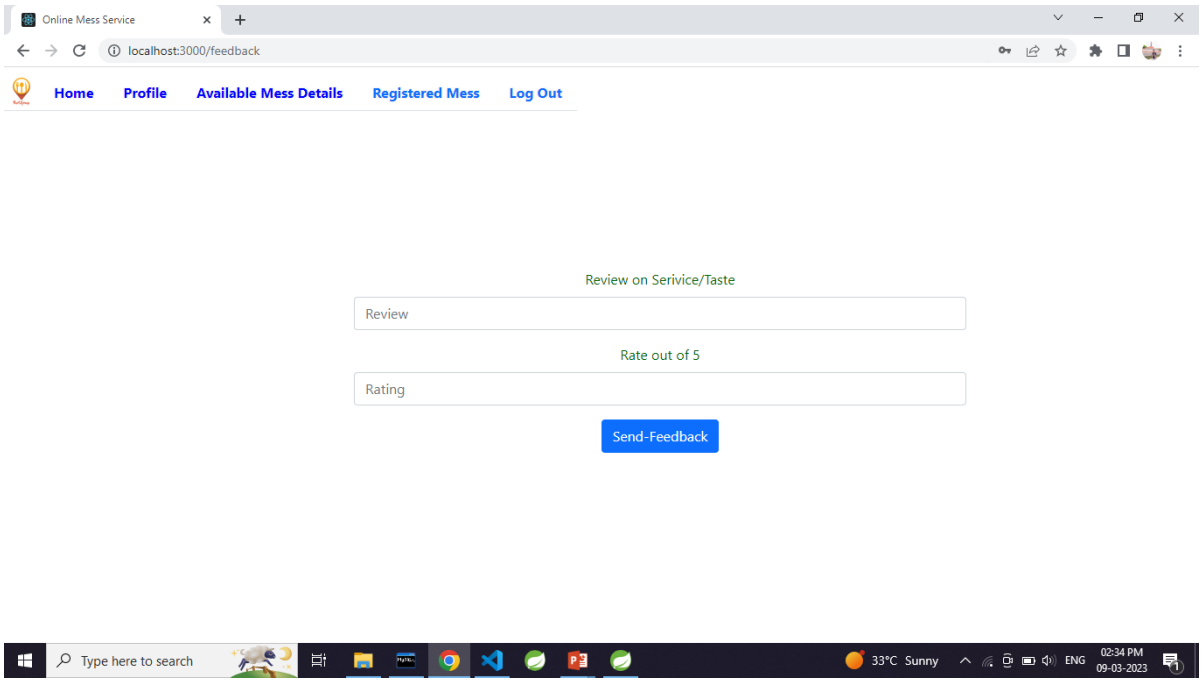

Online Mess Service
localhost:3000/ConsumerHome
Home
Profile
Available Mess Details
Subscribed Mess
Log Out
Your ID : 107
Welcome abhishek shinde
Enjoy Our Service...
Type here to search
33°C Sunny
ENG
02:32 PM
09-03-2023

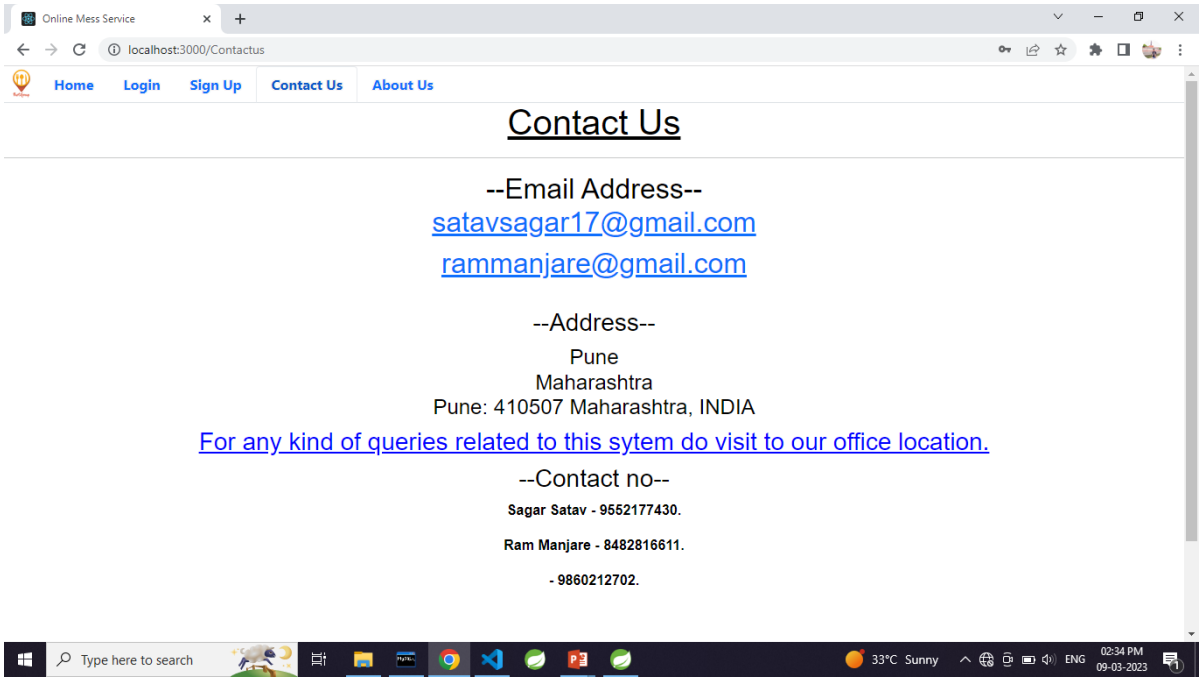

Online Mess Service
localhost:3000/AllMessInfo
Home
Profile
Available Mess Details
Subscribed Mess
Log Out
-- Available Messes Information --
| Mess ID | Mess Name | Mess Type | Mess Area | Menu | Subscribe this Mess
0 | 1005 | NonVeg Special | Non-Veg | near lacsd ravet | View-Menu | Join
1 | 1006 | ghar ka dabba | Veg | near lacsd ravet | View-Menu | Join
Type here to search
33°C Sunny
ENG
02:33 PM
09-03-2023

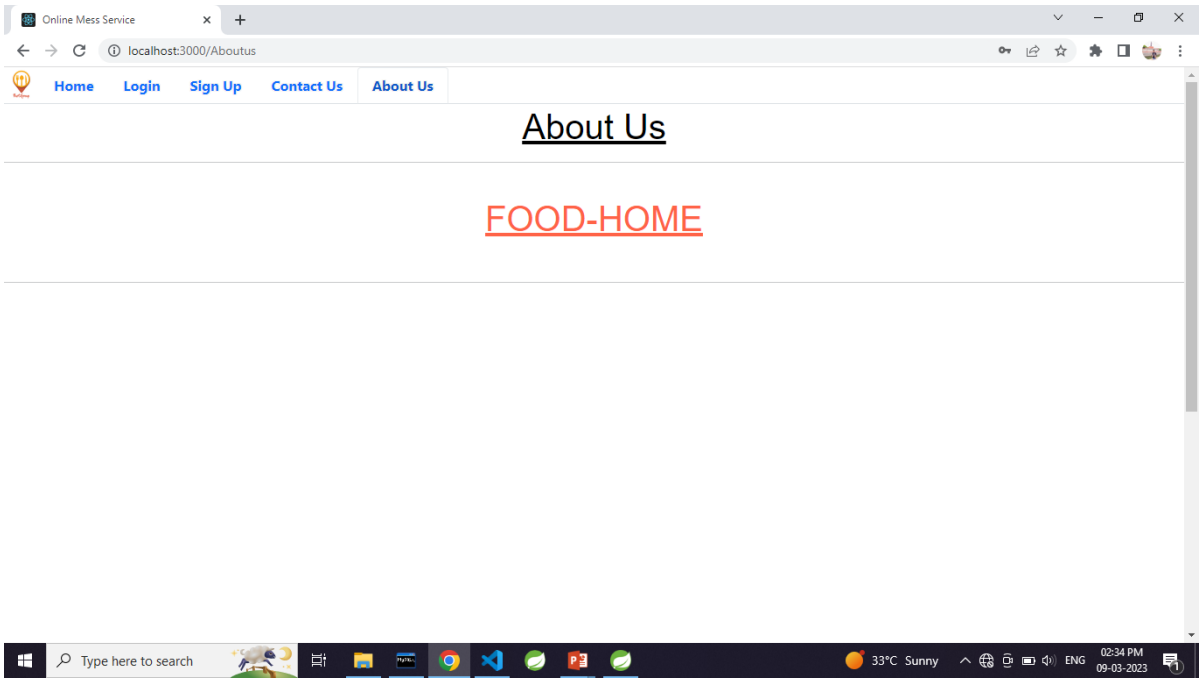

Online Mess Service
localhost:3000/viewmenu
Home
Profile
Available Mess Details
Registered Mess
Log Out
Our Menu
Date | Menu Description | Mess Name | Price
2023-03-04 | chikan curry | NonVeg Special | 50
2023-03-05 | Biryani | NonVeg Special | 50
Type here to search
33°C Sunny
ENG
02:33 PM
09-03-2023


Online Mess Service
localhost:3000/ConsumerProfile
Home
Profile
Available Mess Details
Subscribed Mess
Log Out
Profile
Registration ID : 107
Name : abhishek shinde
City : wagholi
Mail Id : abhishek@gmiaail.com
Type here to search
33°C Sunny
ENG
02:41 PM
09-03-2023


Online Mess Service
localhost:3000/mymess
Home
Profile
Available Mess Details
Subscribed Mess
Log Out
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
Type here to search
33°C Sunny
ENG
02:33 PM
09-03-2023


Online Mess Service
localhost:3000/feedback
Home
Profile
Available Mess Details
Registered Mess
Log Out
Review on Serivice/Taste
Review
Rate out of 5
Rating
Send-Feedback
Type here to search
33°C Sunny
ENG
02:34 PM
09-03-2023


Online Mess Service
localhost:3000/Contactus
Home
Login
Sign Up
Contact Us
About Us
Contact Us
--Email Address--
satavsagar17@gmail.com
rammanjare@gmail.com
--Address--
Pune
Maharashtra
Pune: 410507 Maharashtra, INDIA
For any kind of queries related to this sytem do visit to our office location.
--Contact no--
Sagar Satav - 9552177430.
Ram Manjare - 8482816611.
- 9860212702.
Type here to search
33°C Sunny
ENG
02:34 PM
09-03-2023


Online Mess Service
localhost:3000/Aboutus
Home
Login
Sign Up
Contact Us
About Us
About Us
FOOD-HOME
Type here to search
33°C Sunny
ENG
02:34 PM
09-03-2023

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 Scope:

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