INSTITUTE FOR ADVANCED COMPUTING AND SOFTWARE DEVELOPMENT AKURDI, PUNE

Documentation On

"Ghar Ka Dabba"
An Online Tiffin Delivery Service

PG-DAC SEP 2022

Submitted By:

Group No: 71

Shubham Gudekar (229153)

Rishal Mehta (229190)

Mrs. Manjiri Deshpande
Project Guide

Mr. Rohit Puranik
Centre Coordinator

ACKNOWLEDGEMENT

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavour to a successful culmination. I extend my sincere and heartfelt thanks to our esteemed guide, **Mrs. Manjiri Deshpande** for providing me with the right guidance and advice at the crucial juncture sand for showing me the right way. I extend my sincere thanks to our respected Centre Co-Ordinator **Mr. Rohit Puranik**, for allowing us to use the facilities available. I would like to thank the other faculty members also, at this occasion. Last but not the least, I would like to thank my friends and family for the support and encouragement they have given me during the course of our work.

Shubham Gudekar (229153)
Rishal Mehta (229190)

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1. INTRODUCTION.

1.1 Purpose

The Online tiffin service 'Ghar Ka Dabba' website is intended to provide complete solution for Vendors, Customer as well as Internal users (Staff) as a single Gateway using internet. Vendors could be anyone who want to setup their tiffin service center but don't have platform for the same specially housewife's who wish have a source of side income. It will enable vendors to provide tiffin service online, consumers to browse through all the available tiffin service and order tiffin without physically visiting the tiffin service center.

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 (tiffin service providers) 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:

- Ghar Ka Dabba System is a web application.
- There are mainly two types of users. One is the vendor (Mess Owner) and the other is the customer.
- Customers can search for mess menus, and special dishes at their convenience.
- Vendors can get more customers.
- Ghar Ka Dabba System provides the functions which connect the customers and the vendors through the portal.
- The Ghar Ka Dabba 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:

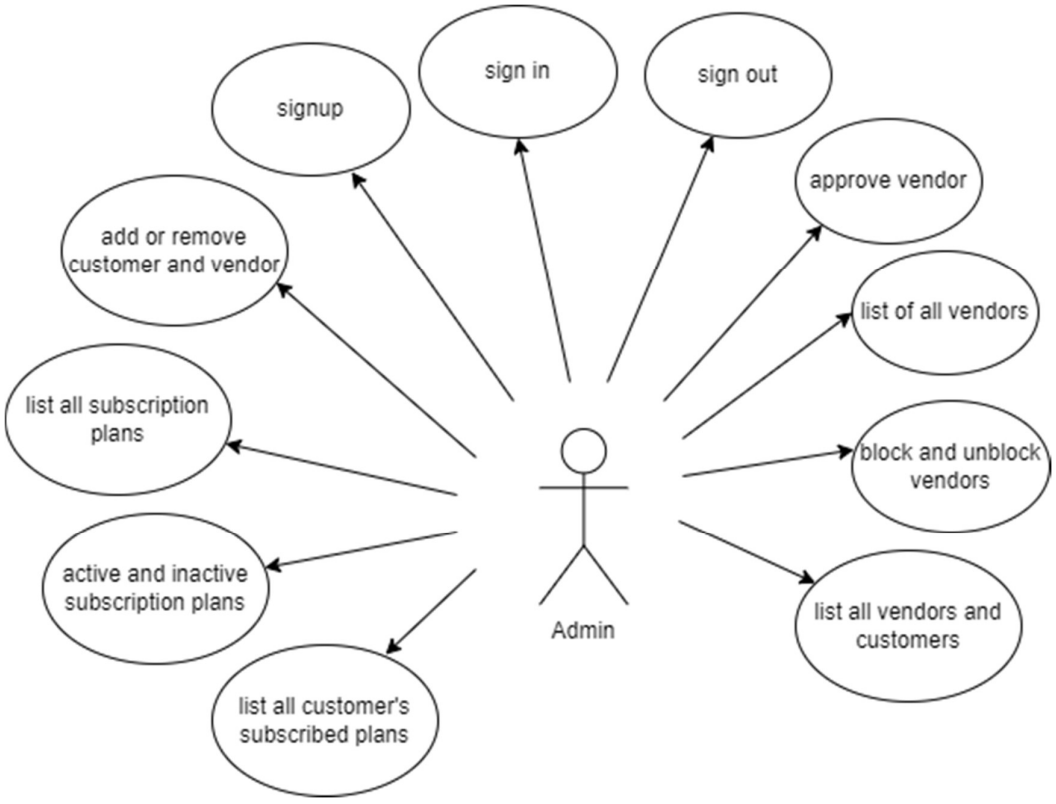
The system is a web-based application; clients need a modern web browser such as Mozilla Firebox, Internet Explorer, Opera, and Chrome. The computer must have an Internet connection in order to be able to access the system.
Communications Interfaces:

• 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.

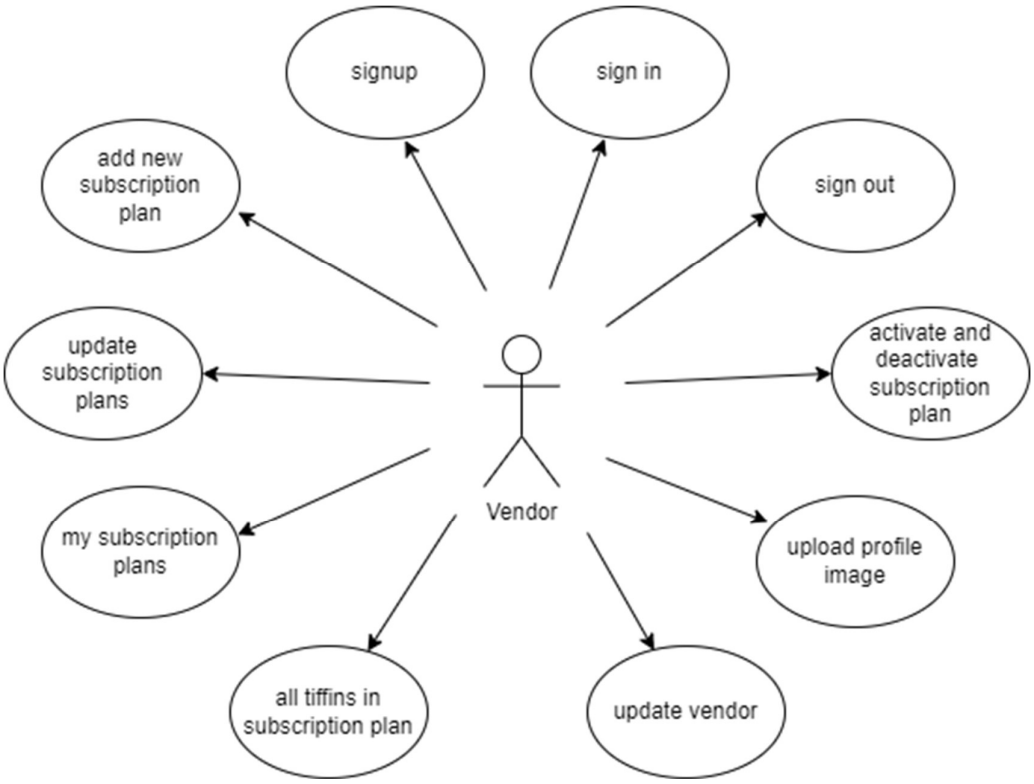
• This application will communicate with the database that holds all the booking information. Users can contact with server side through HTTP protocol by means of a function that is called HTTP Service. This function allows the application to use the data retrieved by server to fulfil the request fired by the user.

4. System Diagrams.

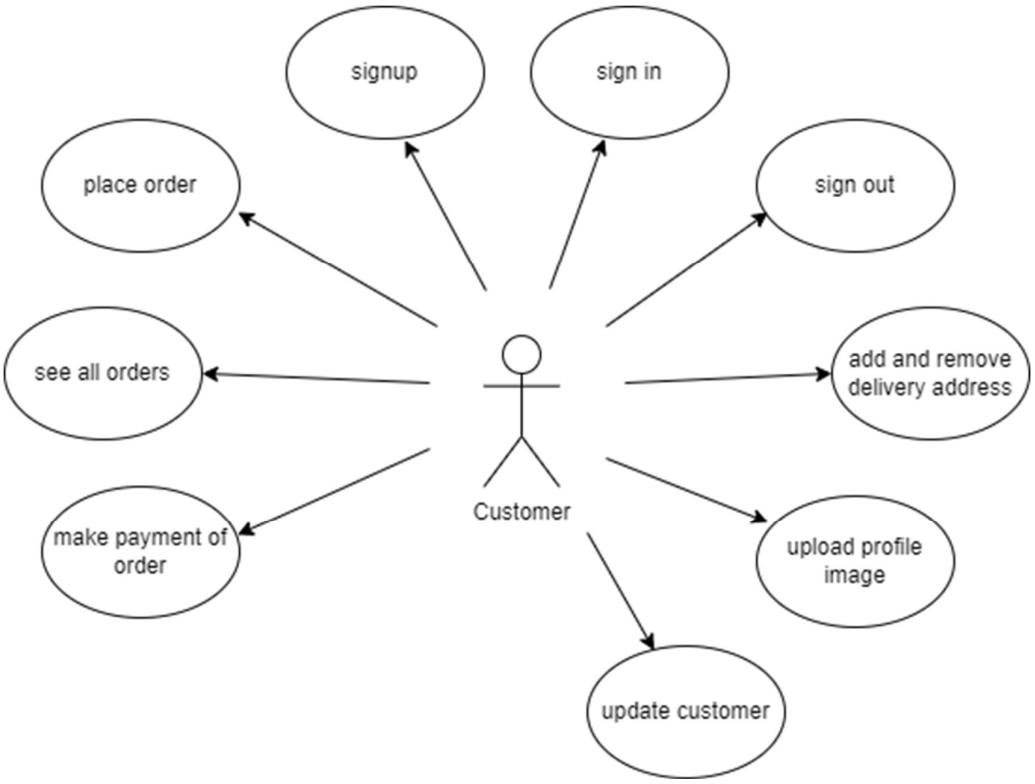
Use Case Diagram Admin Activity:



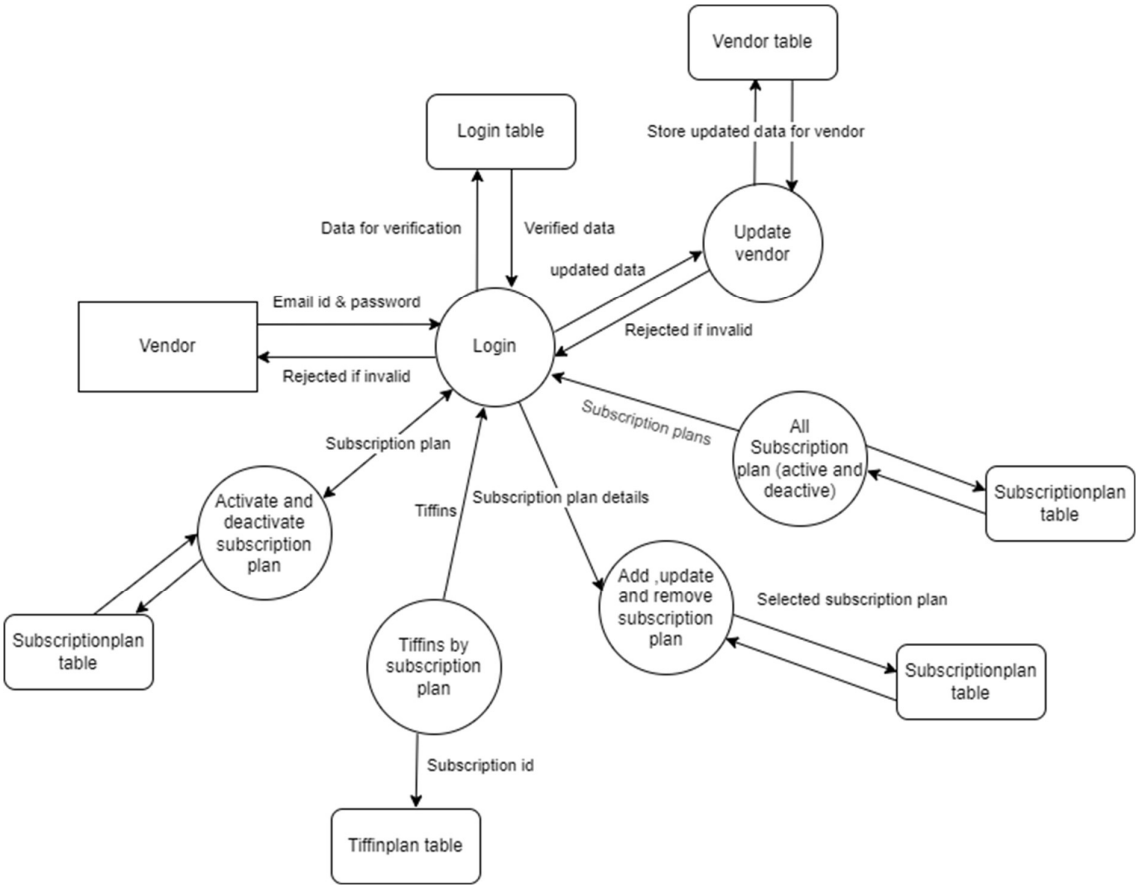
Use Case Diagram of Vendor



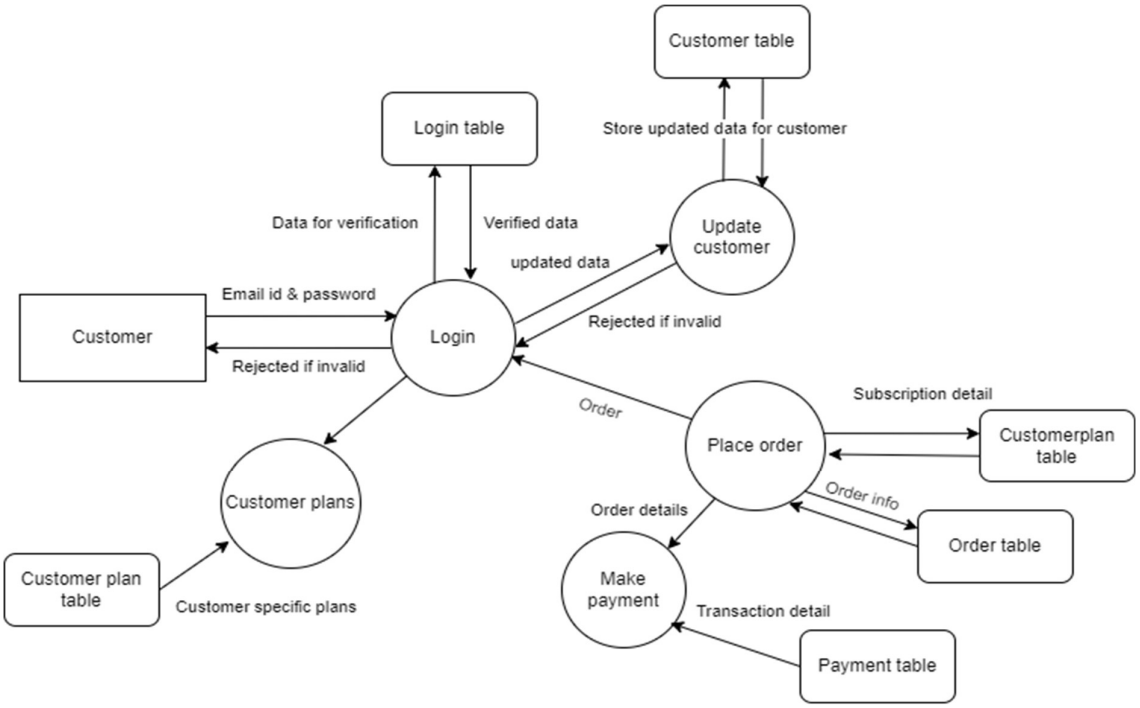
Use Case Diagram of Customer



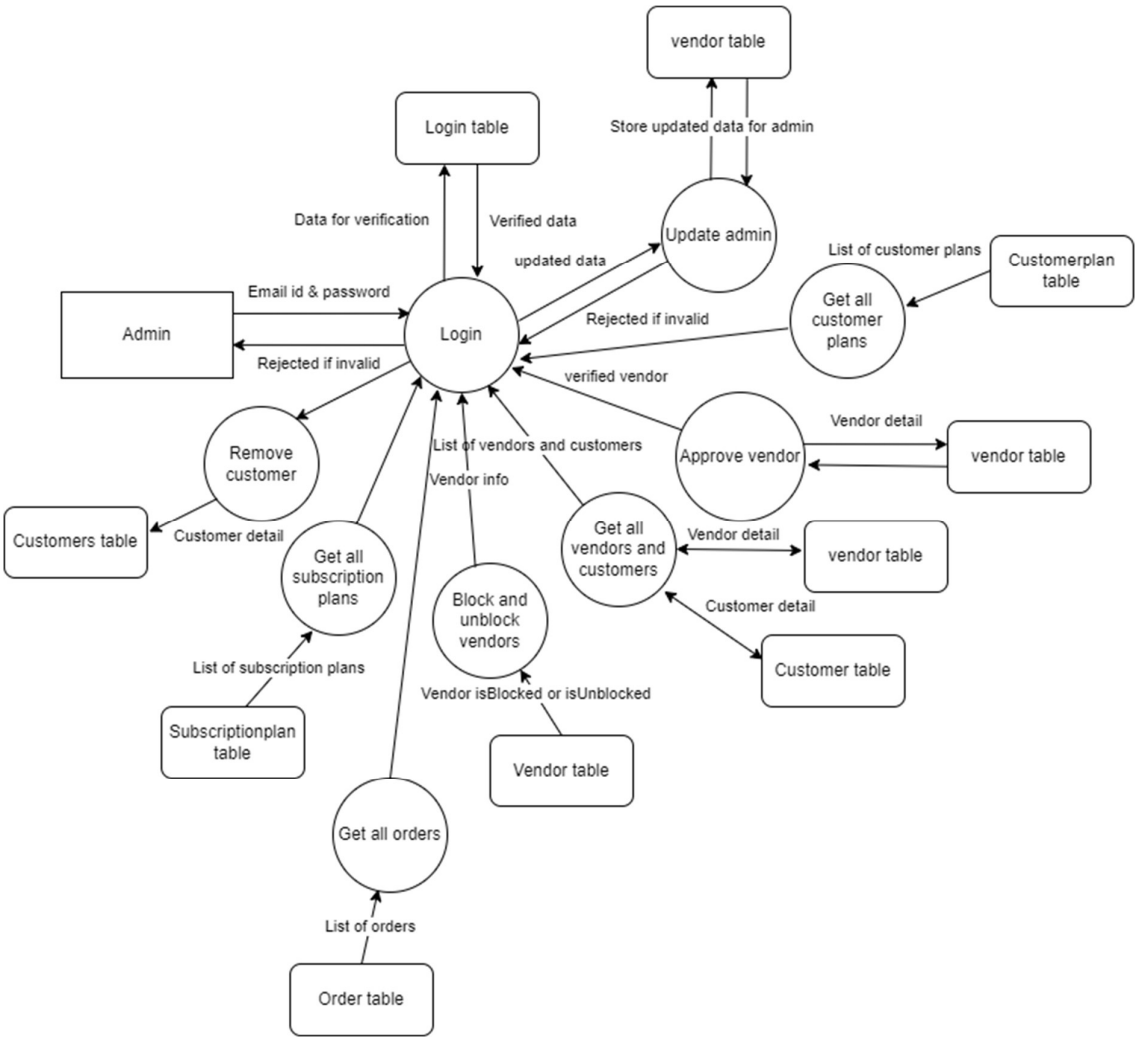
Data Flow diagram:
Vendor Level 1 DFD



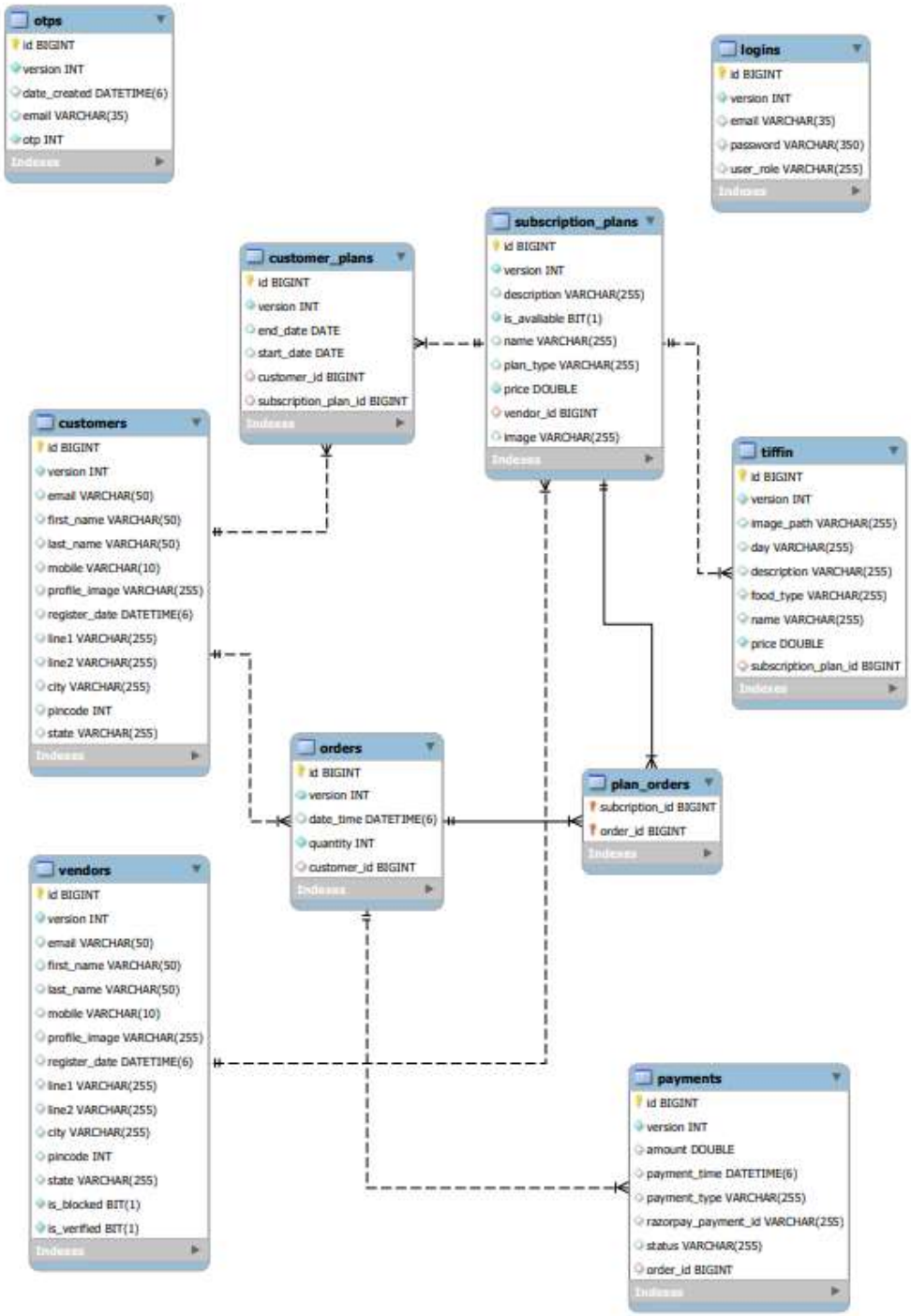
Customer Level 1 DFD



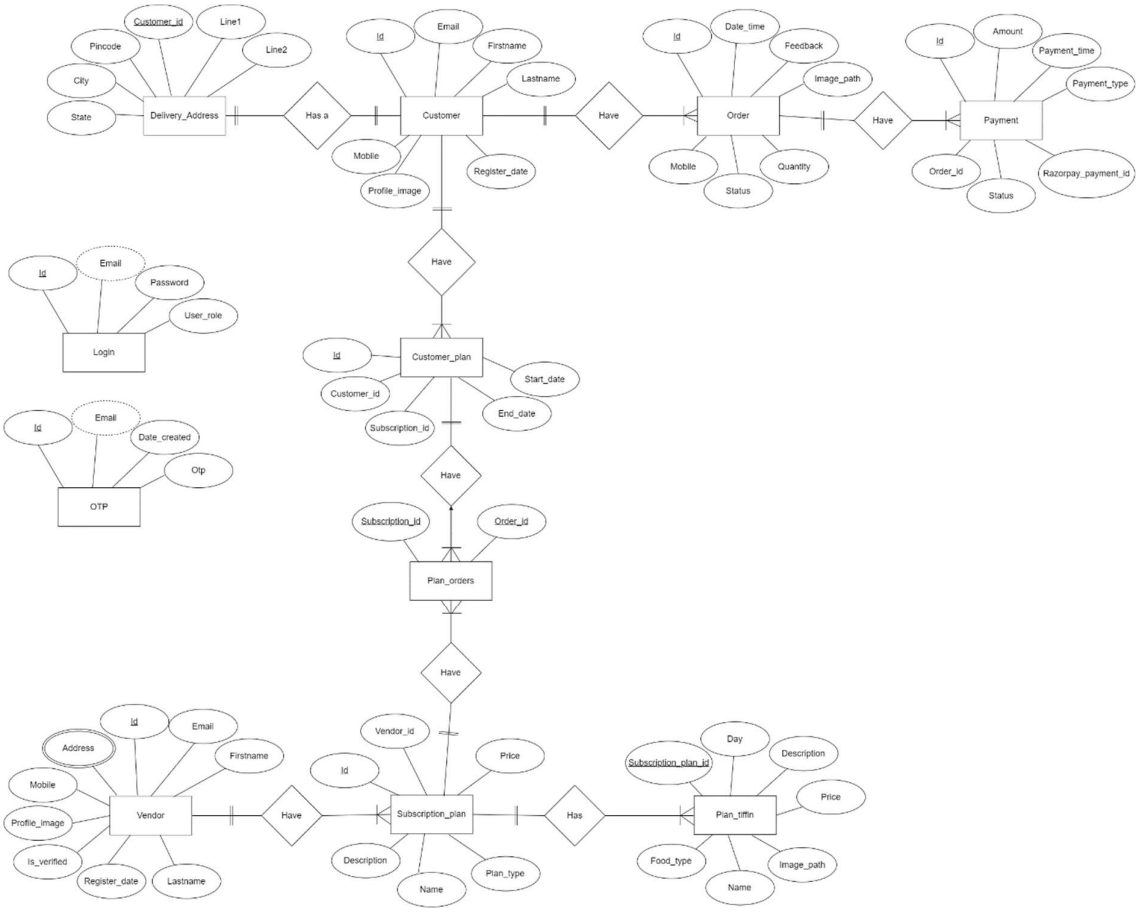
Admin Level 1 DFD



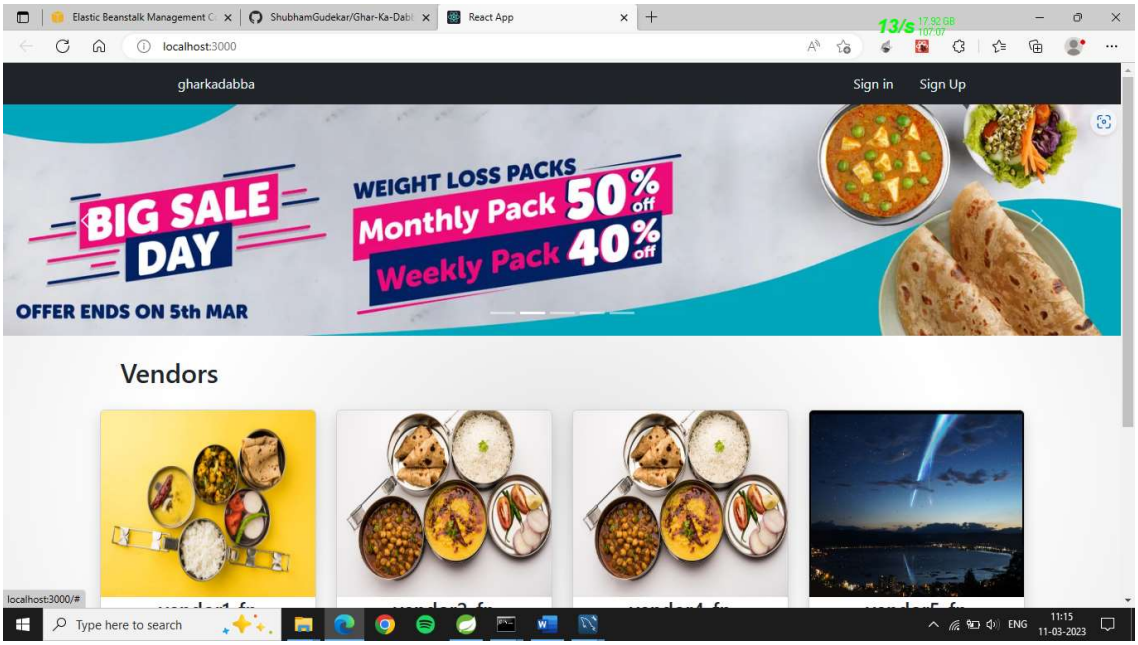
ER Diagram
(System Generated)

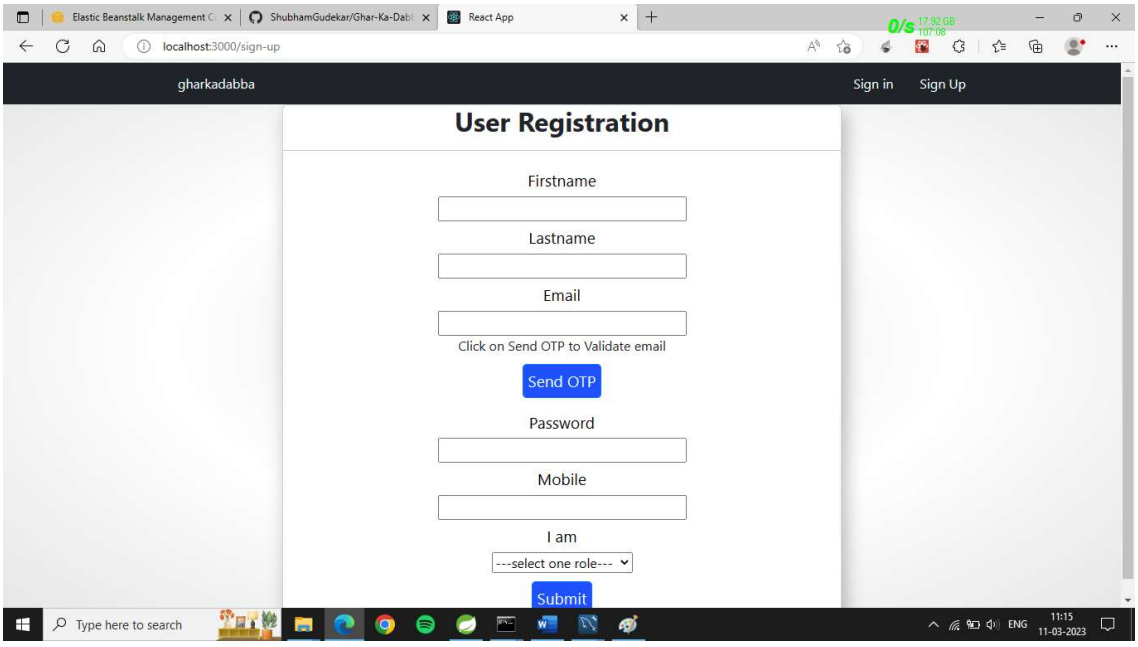


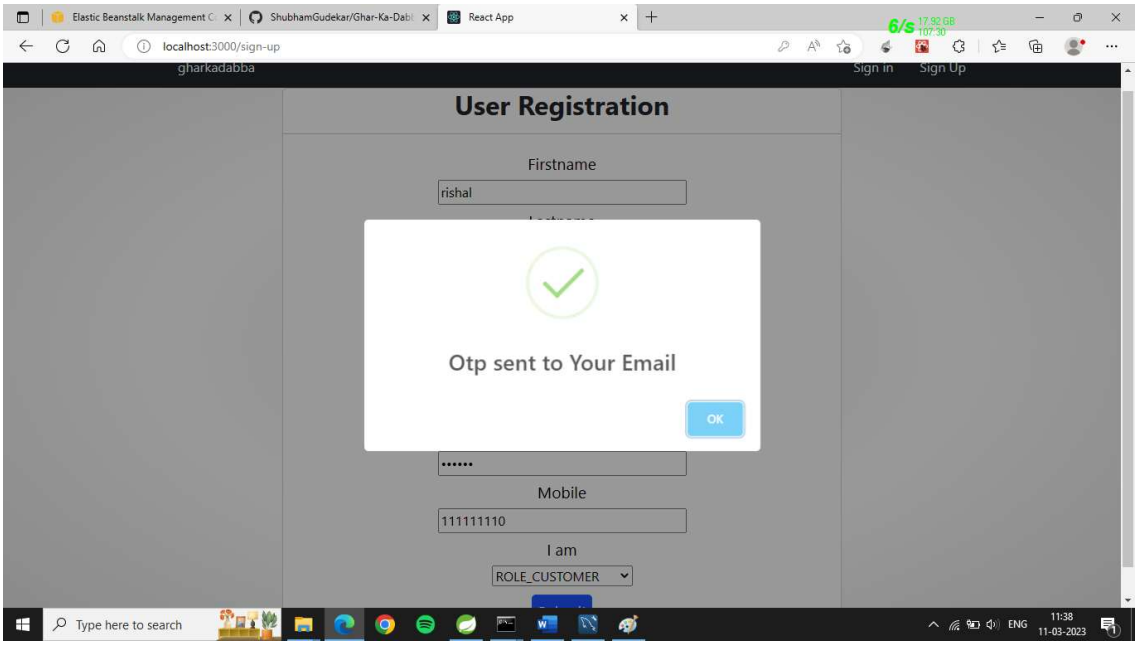
ER Diagram
(Manually Created)

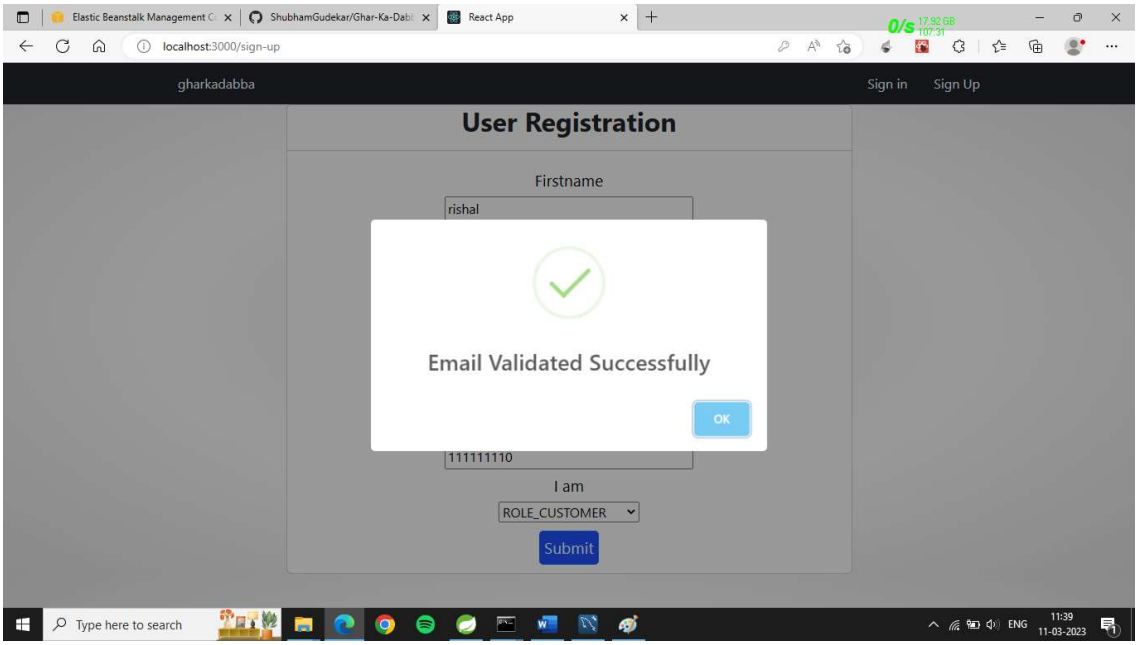


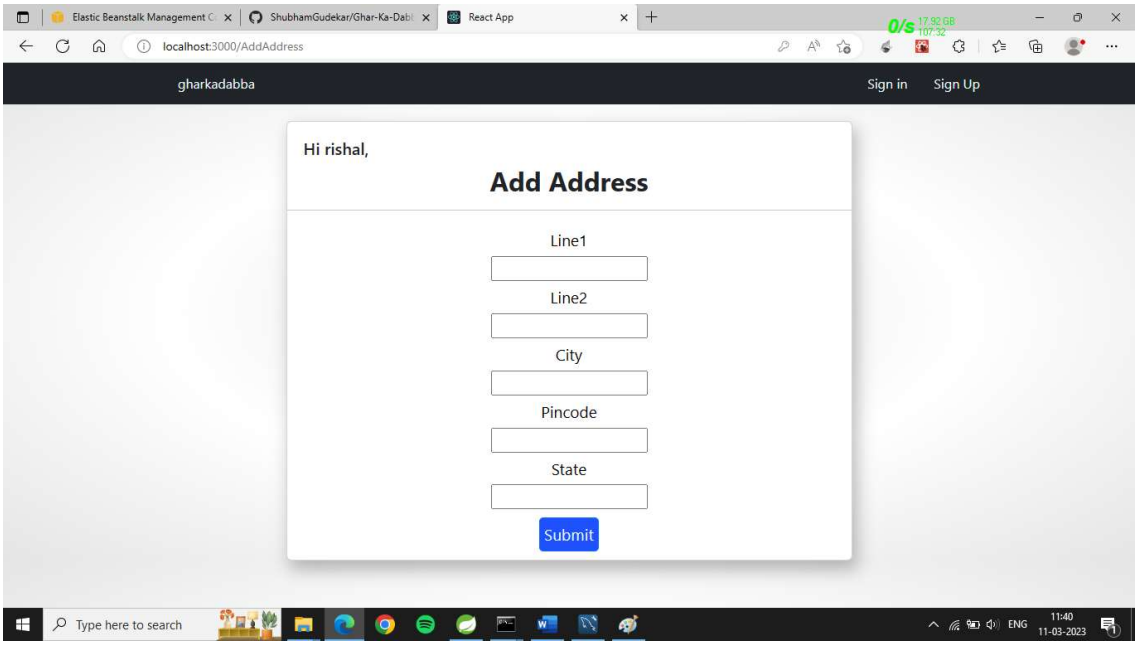
Project Screenshots

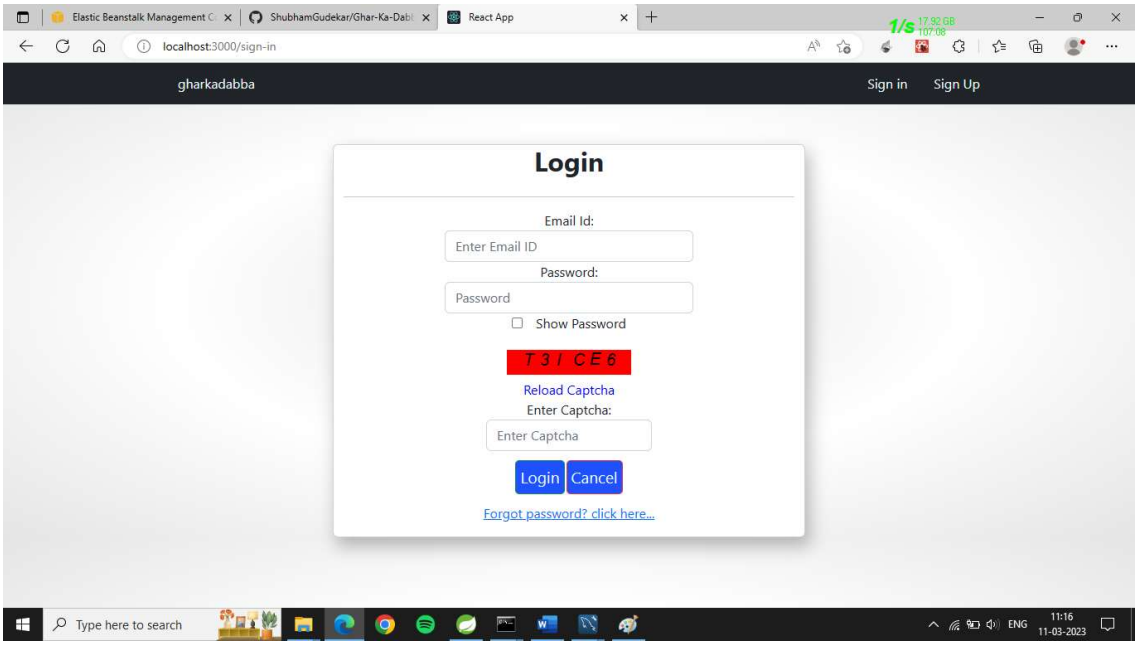





Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/sign-up
gharkadabba
Sign in
Sign Up
User Registration
Firstname
rishal
Otp sent to Your Email
OK
Mobile
111111110
I am
ROLE_CUSTOMER
Type here to search
ENG
11:38
11-03-2023


Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/sign-up
gharkadabba
Sign in
Sign Up
User Registration
Firstname
rishal
Email Validated Successfully
OK
111111110
I am
ROLE_CUSTOMER
Submit
Type here to search
ENG
11:39
11-03-2023


React App
localhost:3000/AddAddress
gharkadabba
Sign in
Sign Up
Hi rishal,
Add Address
Line1
Line2
City
Pincode
State
Submit
Type here to search
ENG
11:40
11-03-2023


React App
localhost:3000/sign-in
gharkadabba
Sign in
Sign Up
Login
Email Id:
Enter Email ID
Password:
Password
Show Password
T 3 I C E 6
Reload Captcha
Enter Captcha:
Enter Captcha
Login
Cancel
Forgot password? click here...
Type here to search
ENG
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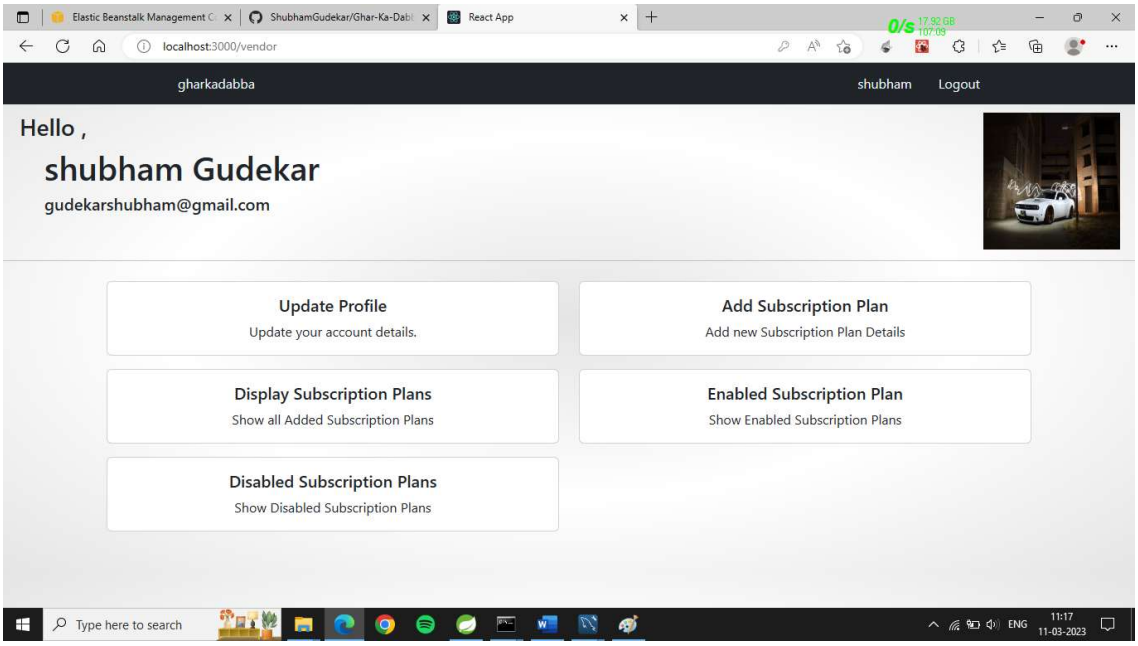
11-03-2023


Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/vendor
gharkadabba
shubham
Logout
Hello ,
shubham Gudekar
gudekarshubham@gmail.com
Update Profile
Update your account details.
Add Subscription Plan
Add new Subscription Plan Details
Display Subscription Plans
Show all Added Subscription Plans
Enabled Subscription Plan
Show Enabled Subscription Plans
Disabled Subscription Plans
Show Disabled Subscription Plans
Type here to search
ENG
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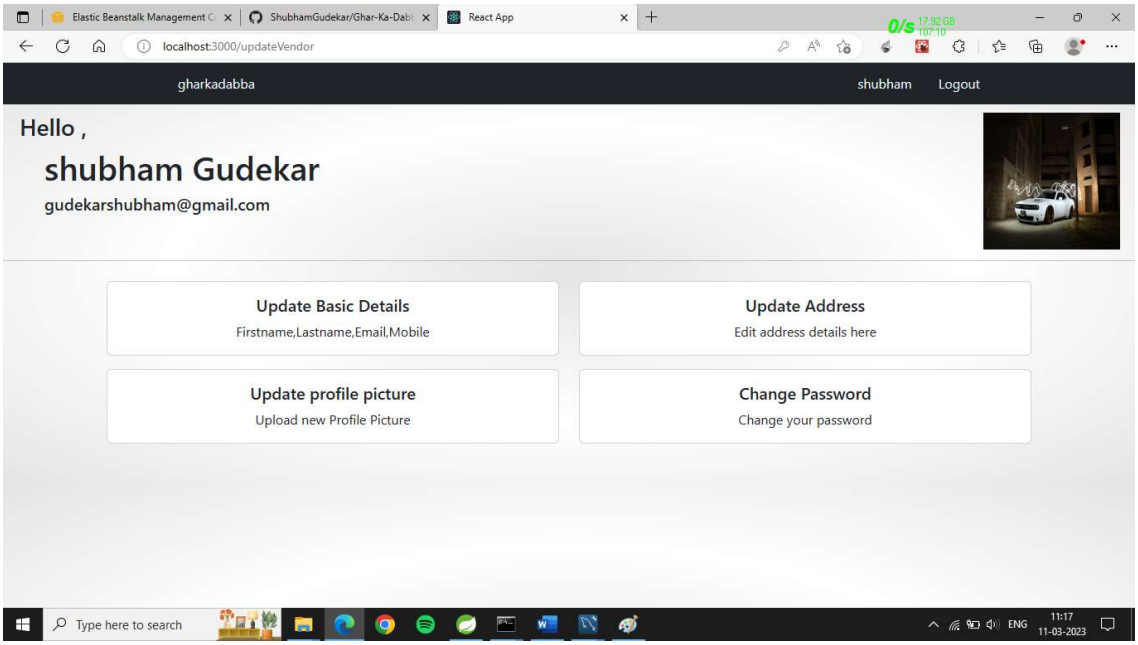
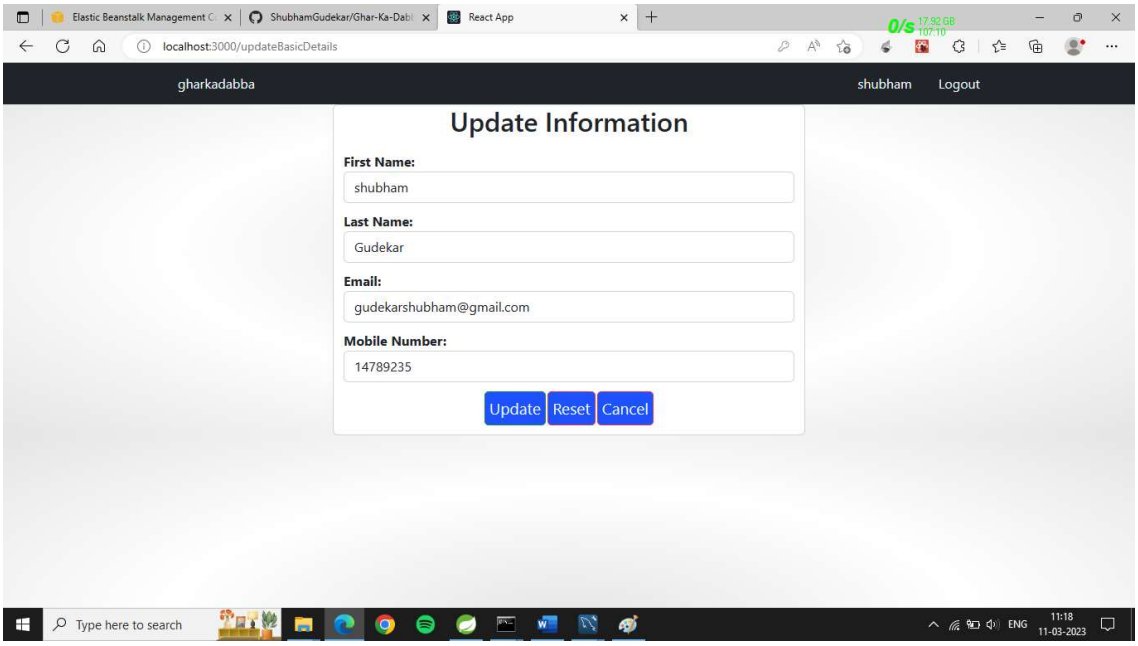
11-03-2023


Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/updateVendor
gharkadabba
shubham
Logout
Hello ,
shubham Gudekar
gudekarshubham@gmail.com
Update Basic Details
Firstname,Lastname,Email,Mobile
Update Address
Edit address details here
Update profile picture
Upload new Profile Picture
Change Password
Change your password
Type here to search
ENG
11:17
11-03-2023


Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/updateBasicDetails
gharkadabba
shubham
Logout
Update Information
First Name:
shubham
Last Name:
Gudekar
Email:
gudekarshubham@gmail.com
Mobile Number:
14789235
Update
Reset
Cancel
Type here to search
ENG
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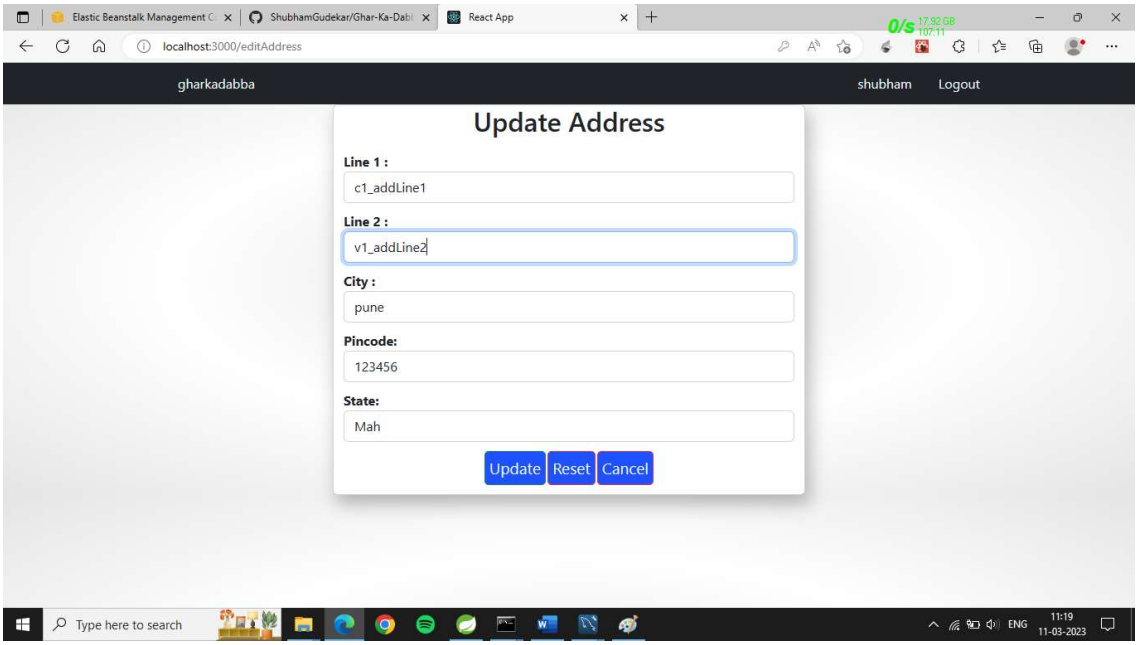
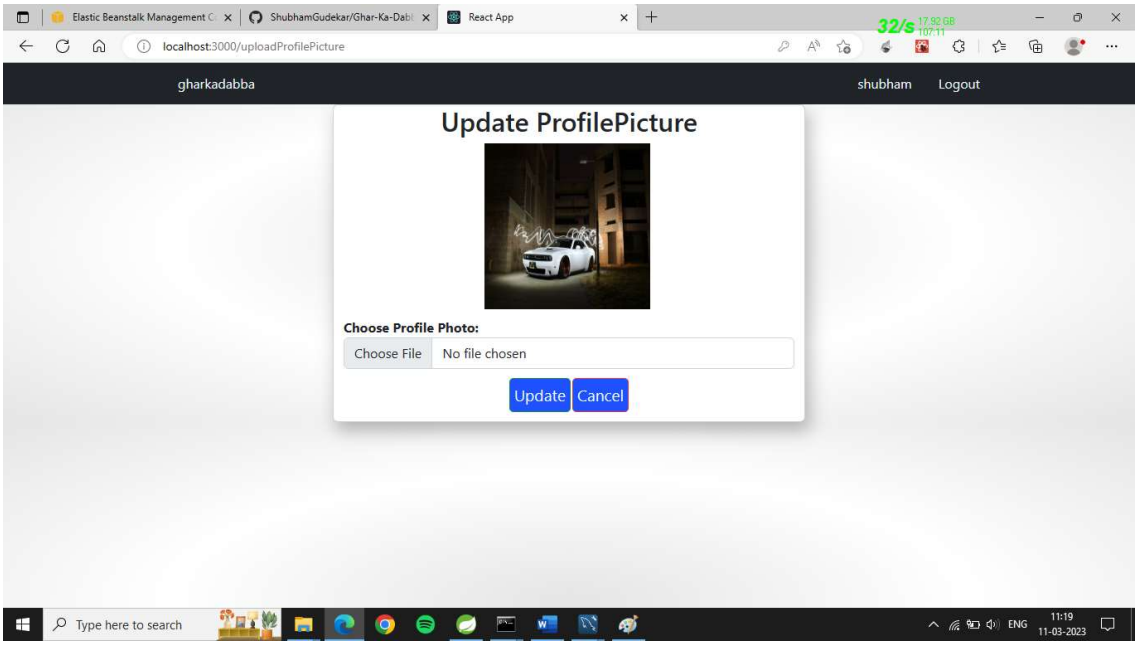
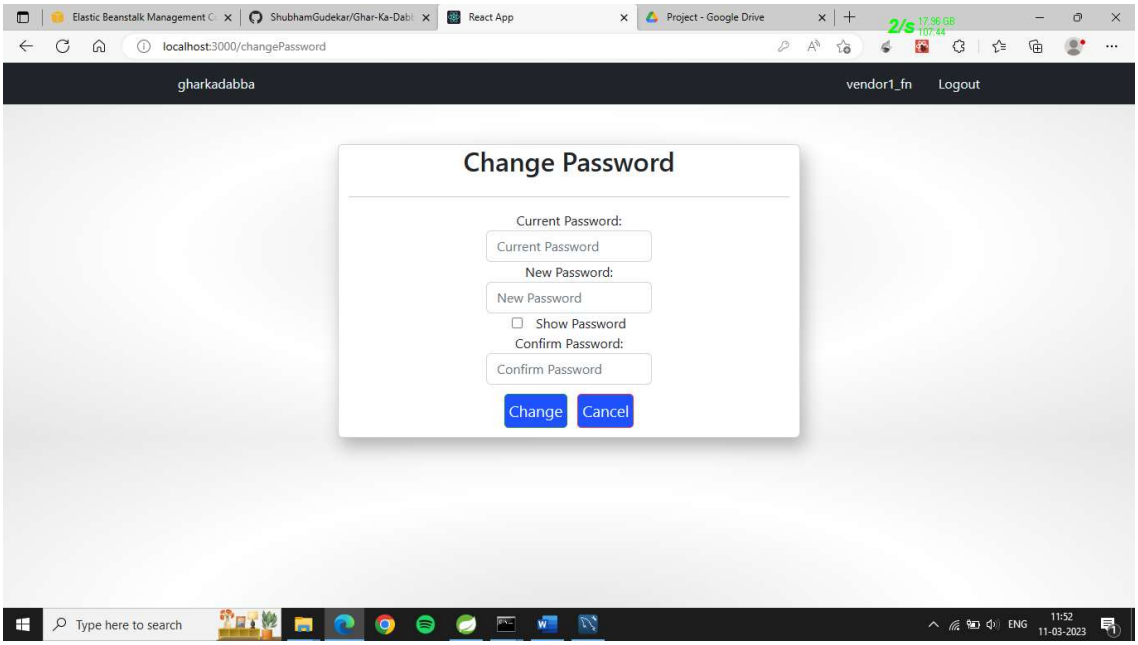
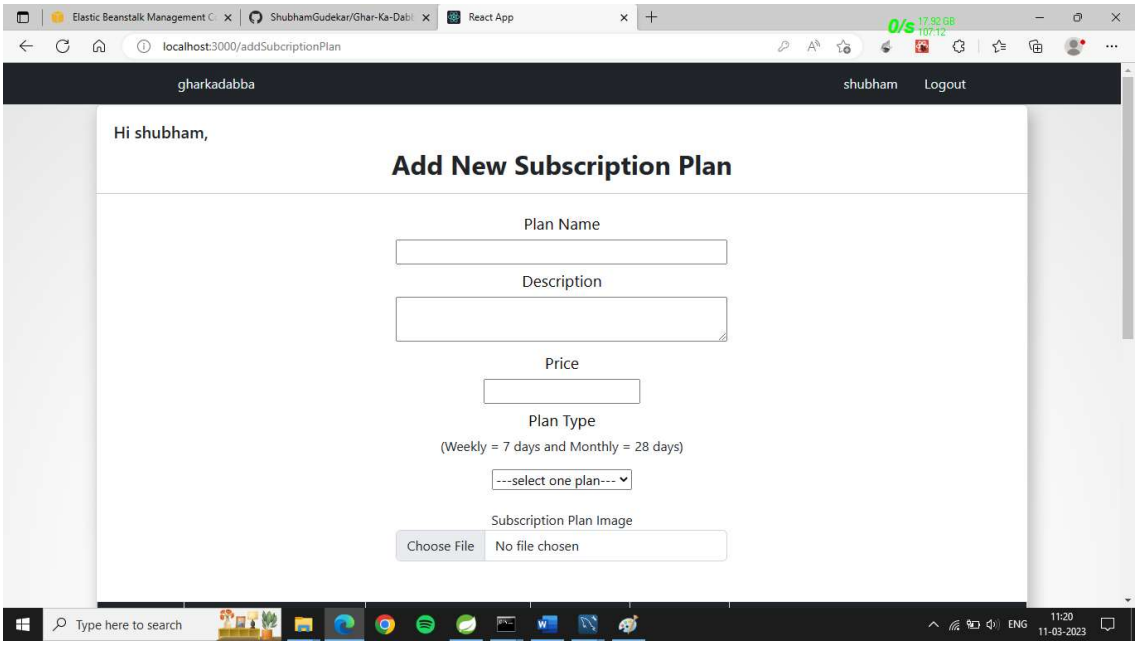
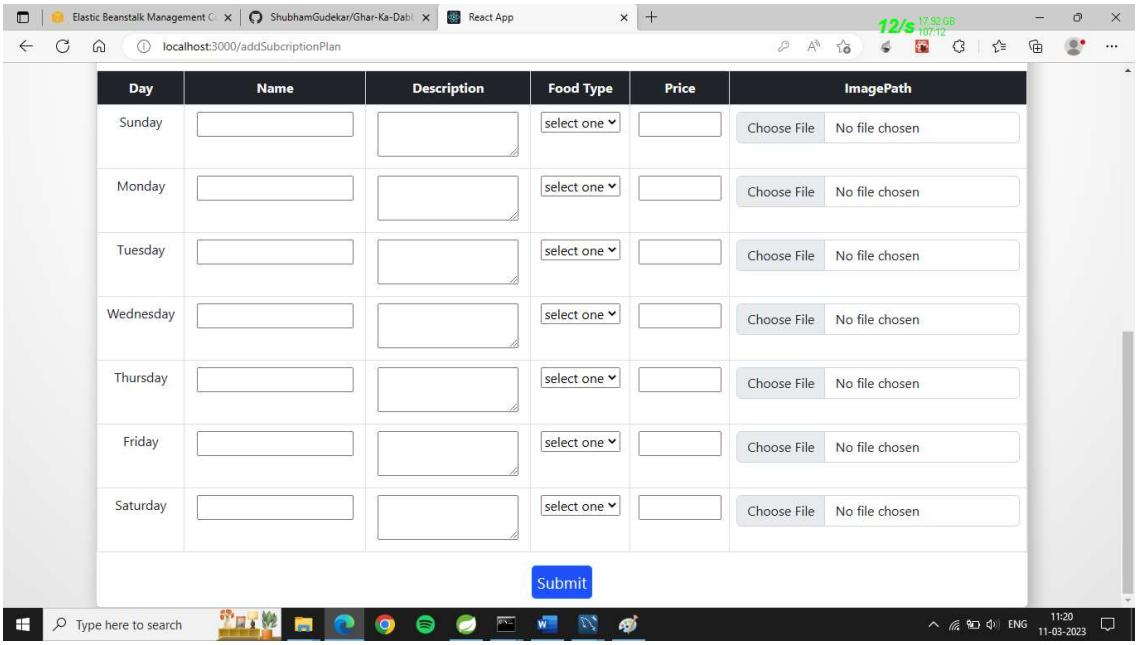
11-03-2023

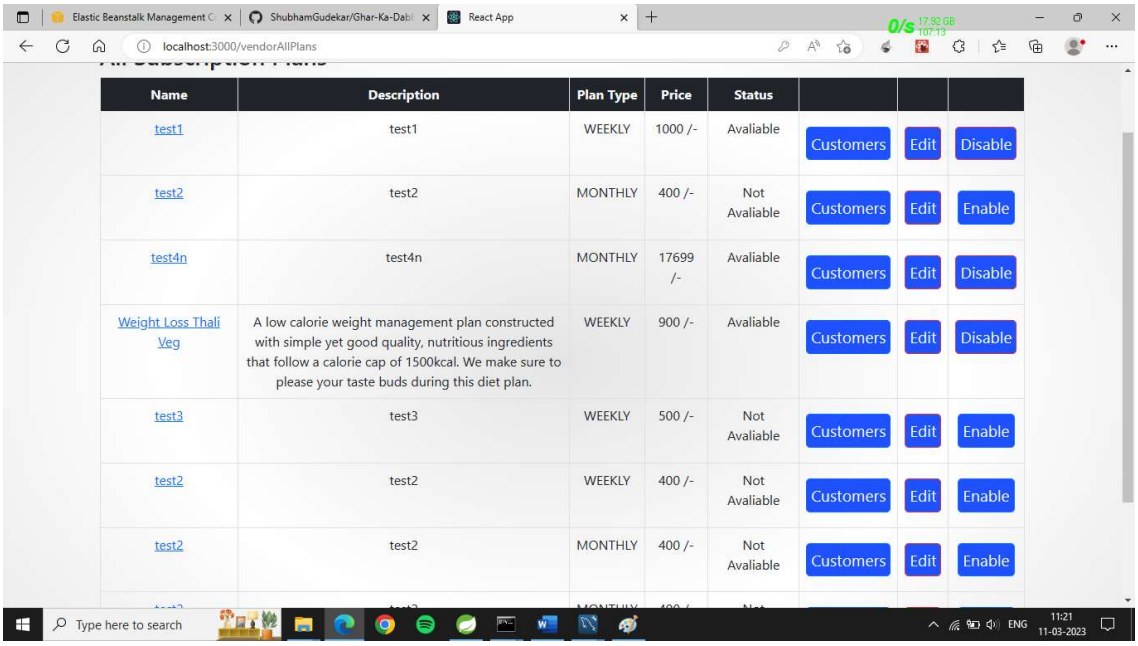

Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/editAddress
gharkadabba
shubham
Logout
Update Address
Line 1 :
c1_addLine1
Line 2 :
v1_addLine2
City :
pune
Pincode:
123456
State:
Mah
Update
Reset
Cancel
Type here to search
ENG
11:19
11-03-2023

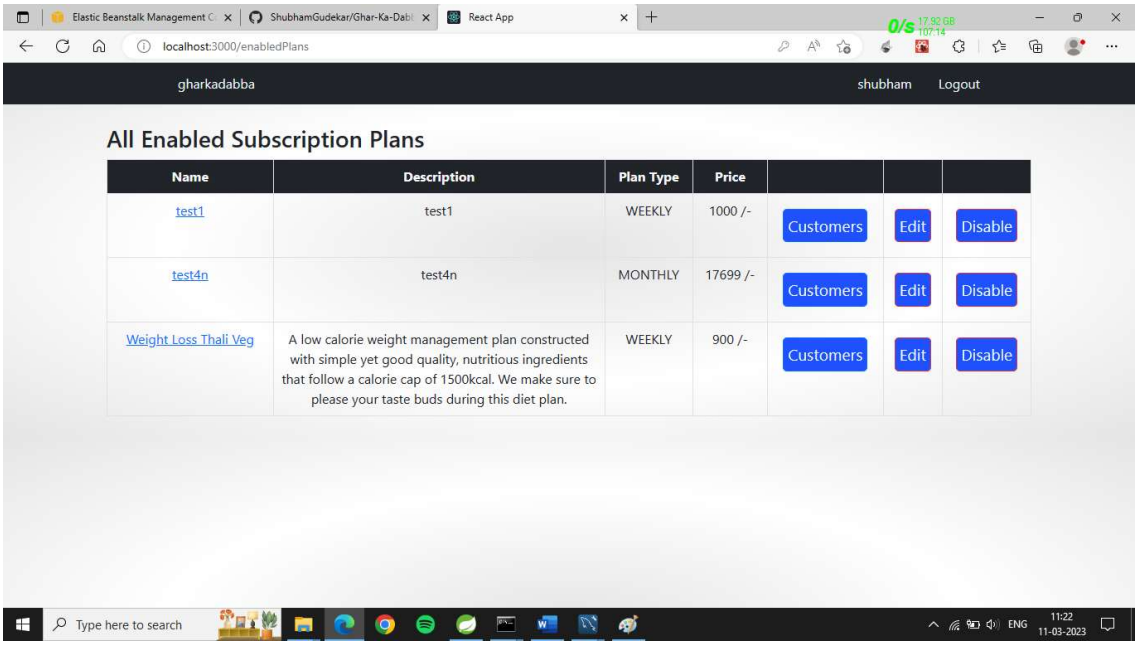

localhost:3000/uploadProfilePicture
gharkadabba
shubham
Logout
Update ProfilePicture
Choose Profile Photo:
Choose File
No file chosen
Update
Cancel
Type here to search
ENG
11:19
11-03-2023

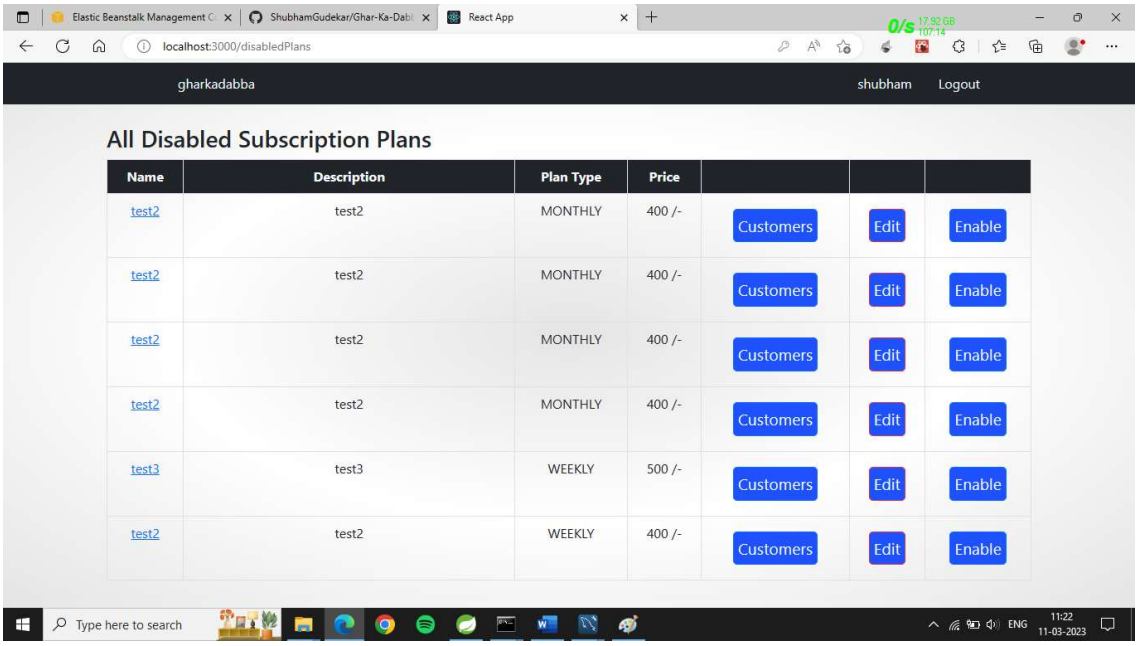

localhost:3000/changePassword
gharkadabba
vendor1_fn
Logout
Change Password
Current Password:
Current Password
New Password:
New Password
Show Password
Confirm Password:
Confirm Password
Change
Cancel
Type here to search
ENG
11:52
11-03-2023

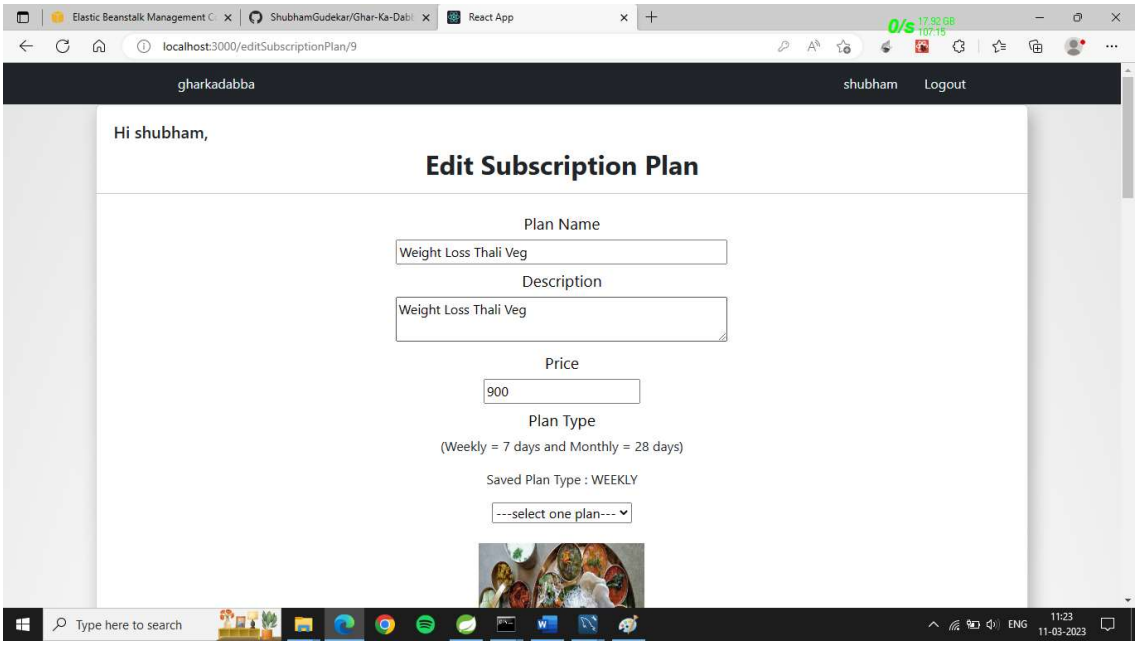

gharkadabba
shubham
Logout
Hi shubham,
Add New Subscription Plan
Plan Name
Description
Price
Plan Type
(Weekly = 7 days and Monthly = 28 days)
---select one plan---
Subscription Plan Image
Choose File
No file chosen

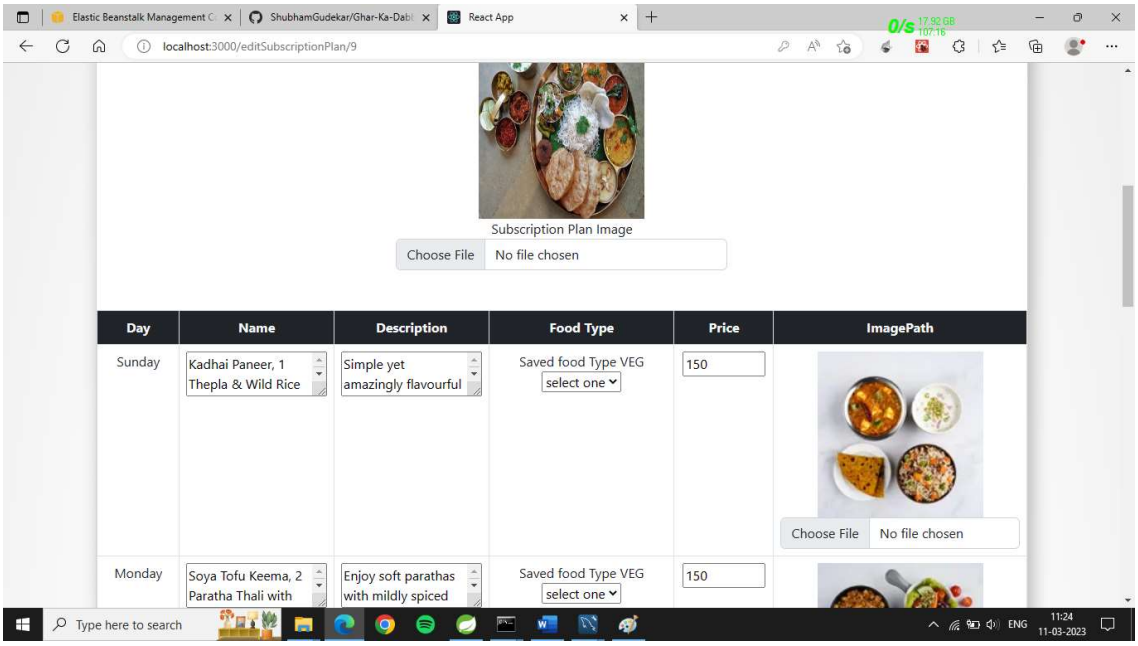

Day
Name
Description
Food Type
Price
ImagePath
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
select one
Choose File
No file chosen
Submit

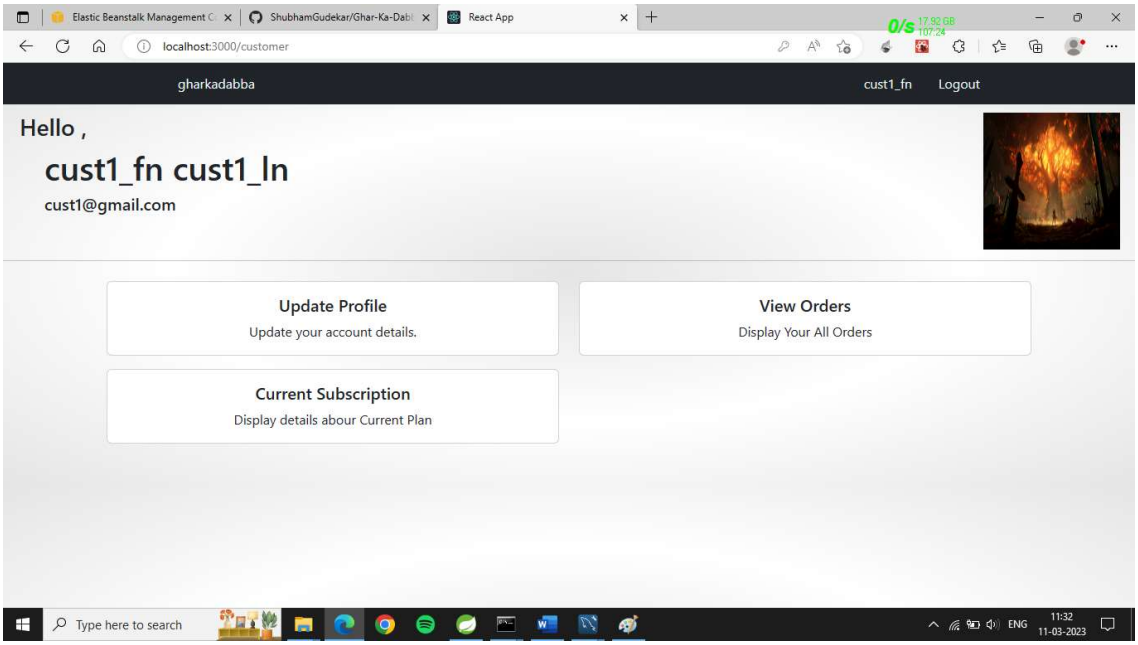

Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/vendorAllPlans
Name
Description
Plan Type
Price
Status
test1
test1
WEEKLY
1000 /-
Avaliable
Customers
Edit
Disable
test2
test2
MONTHLY
400 /-
Not Avaliable
Customers
Edit
Enable
test4n
test4n
MONTHLY
17699 /-
Avaliable
Customers
Edit
Disable
Weight Loss Thali Veg
A low calorie weight management plan constructed with simple yet good quality, nutritious ingredients that follow a calorie cap of 1500kcal. We make sure to please your taste buds during this diet plan.
WEEKLY
900 /-
Avaliable
Customers
Edit
Disable
test3
test3
WEEKLY
500 /-
Not Avaliable
Customers
Edit
Enable
test2
test2
WEEKLY
400 /-
Not Avaliable
Customers
Edit
Enable
test2
test2
MONTHLY
400 /-
Not Avaliable
Customers
Edit
Enable
Type here to search
ENG
11:21
11-03-2023

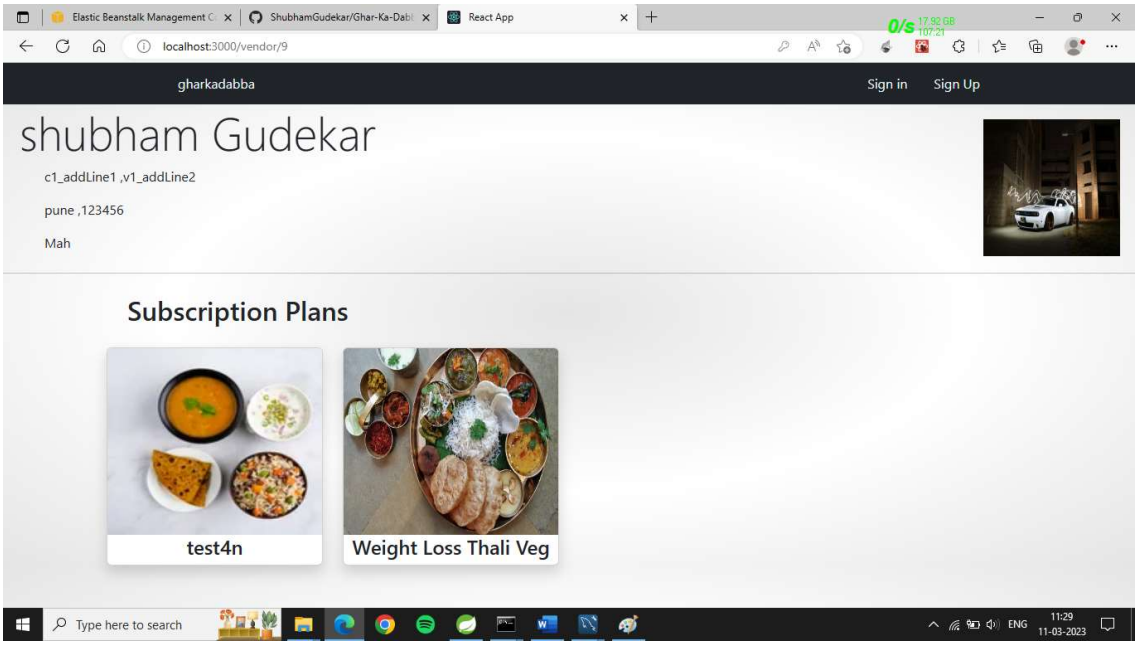

Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/enabledPlans
gharkadabba
shubham
Logout
All Enabled Subscription Plans
Name
Description
Plan Type
Price
test1
test1
WEEKLY
1000 /-
Customers
Edit
Disable
test4n
test4n
MONTHLY
17699 /-
Customers
Edit
Disable
Weight Loss Thali Veg
A low calorie weight management plan constructed with simple yet good quality, nutritious ingredients that follow a calorie cap of 1500kcal. We make sure to please your taste buds during this diet plan.
WEEKLY
900 /-
Customers
Edit
Disable
Type here to search
ENG
11:22
11-03-2023

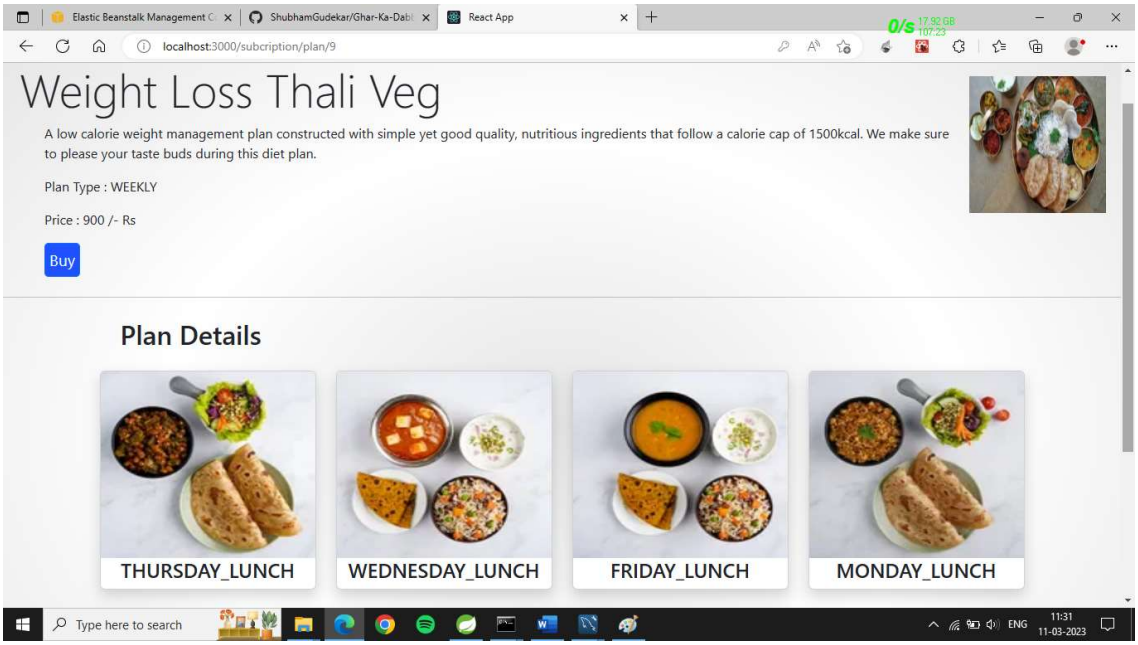

localhost:3000/disabledPlans
gharkadabba
shubham
Logout
All Disabled Subscription Plans
Name
Description
Plan Type
Price
test2
test2
MONTHLY
400 /-
Customers
Edit
Enable
test3
test3
WEEKLY
500 /-
Type here to search

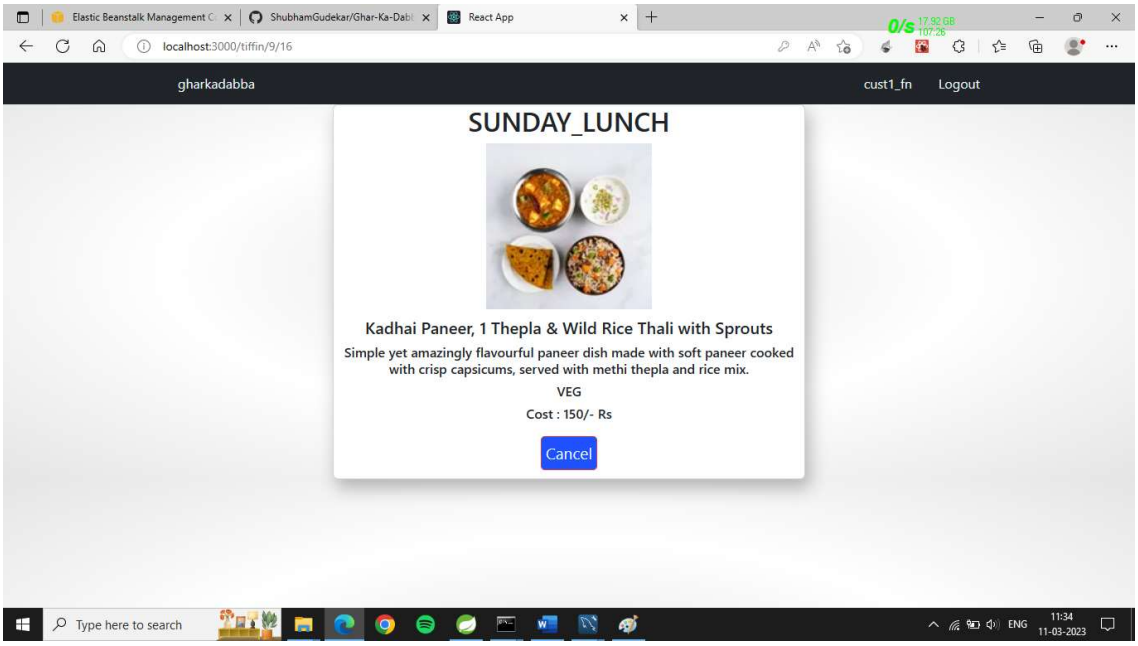

localhost:3000/editSubscriptionPlan/9
gharkadabba
shubham
Logout
Hi shubham,
Edit Subscription Plan
Plan Name
Weight Loss Thali Veg
Description
Weight Loss Thali Veg
Price
900
Plan Type
(Weekly = 7 days and Monthly = 28 days)
Saved Plan Type : WEEKLY
---select one plan---
Type here to search

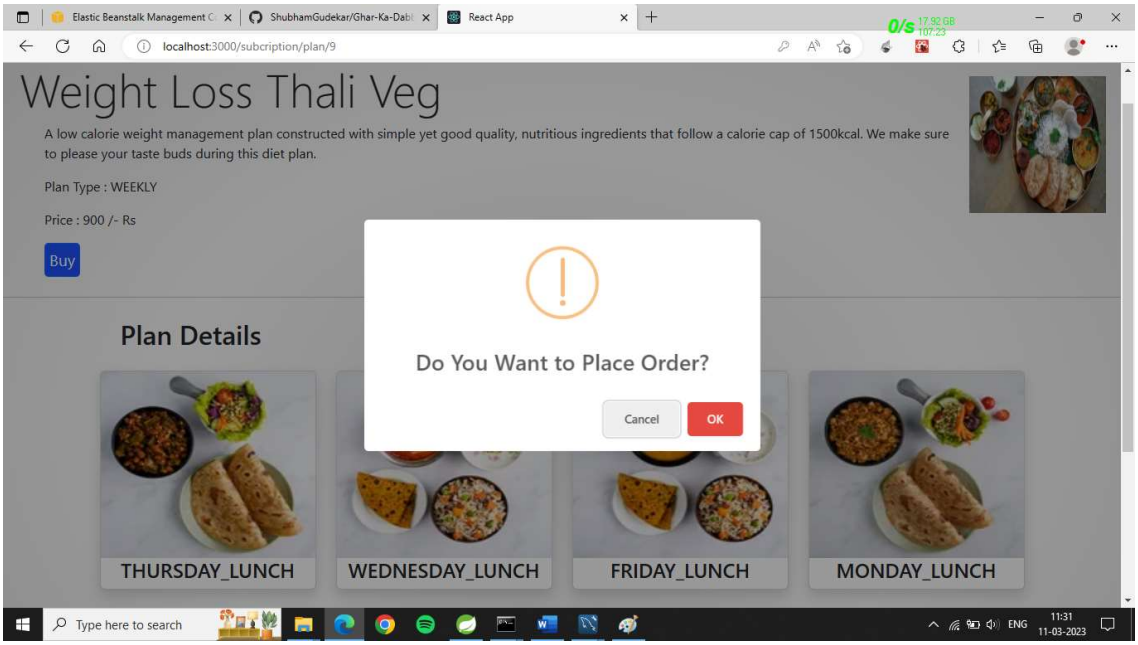

localhost:3000/editSubscriptionPlan/9
Subscription Plan Image
Choose File
No file chosen
Day
Name
Description
Food Type
Price
ImagePath
Sunday
Kadhai Paneer, 1 Thepla & Wild Rice
Simple yet amazingly flavourful
Saved food Type VEG
select one
150
Choose File
No file chosen
Monday
Soya Tofu Keema, 2 Paratha Thali with
Enjoy soft parathas with mildly spiced
Saved food Type VEG
select one
150
Type here to search

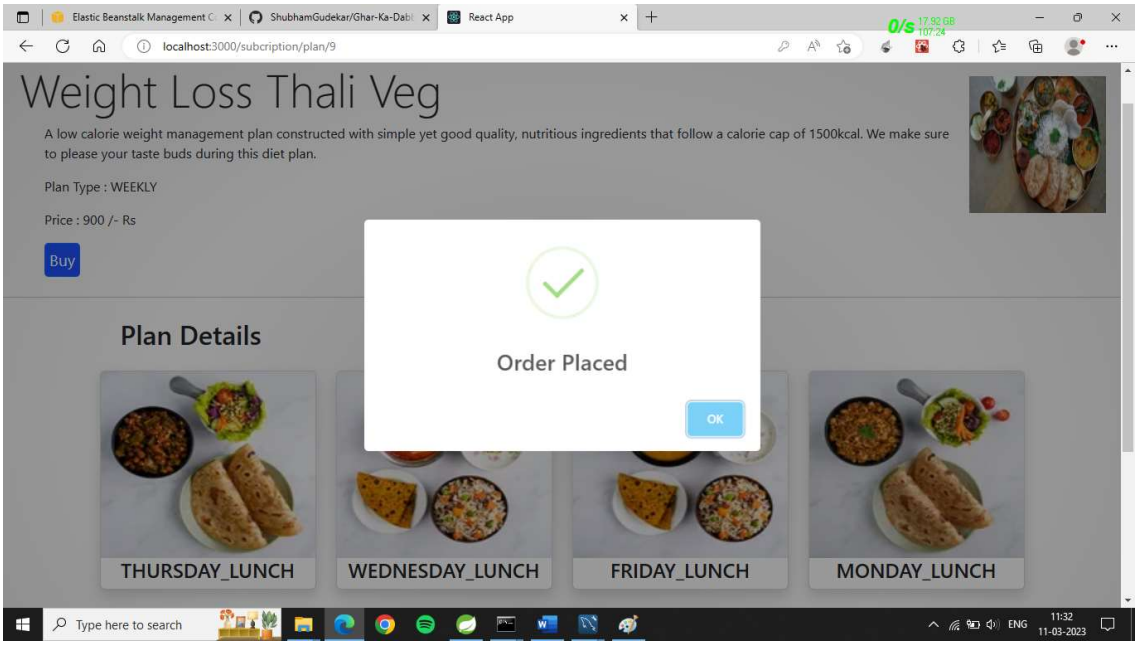

localhost:3000/customer
gharkadabba
cust1_fn
Logout
Hello ,
cust1_fn cust1_ln
cust1@gmail.com
Update Profile
Update your account details.
View Orders
Display Your All Orders
Current Subscription
Display details abour Current Plan
Type here to search

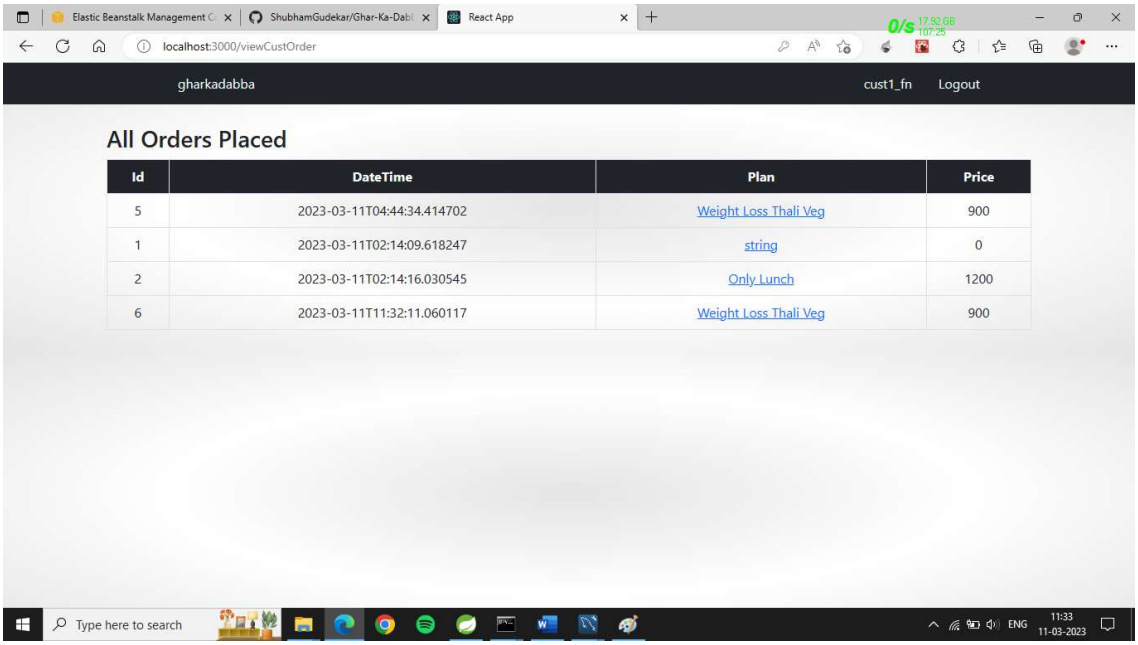

Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/vendor/9
gharkadabba
Sign in
Sign Up
shubham Gudekar
c1_addLine1 ,v1_addLine2
pune ,123456
Mah
Subscription Plans
test4n
Weight Loss Thali Veg
Type here to search
ENG
11:29
11-03-2023

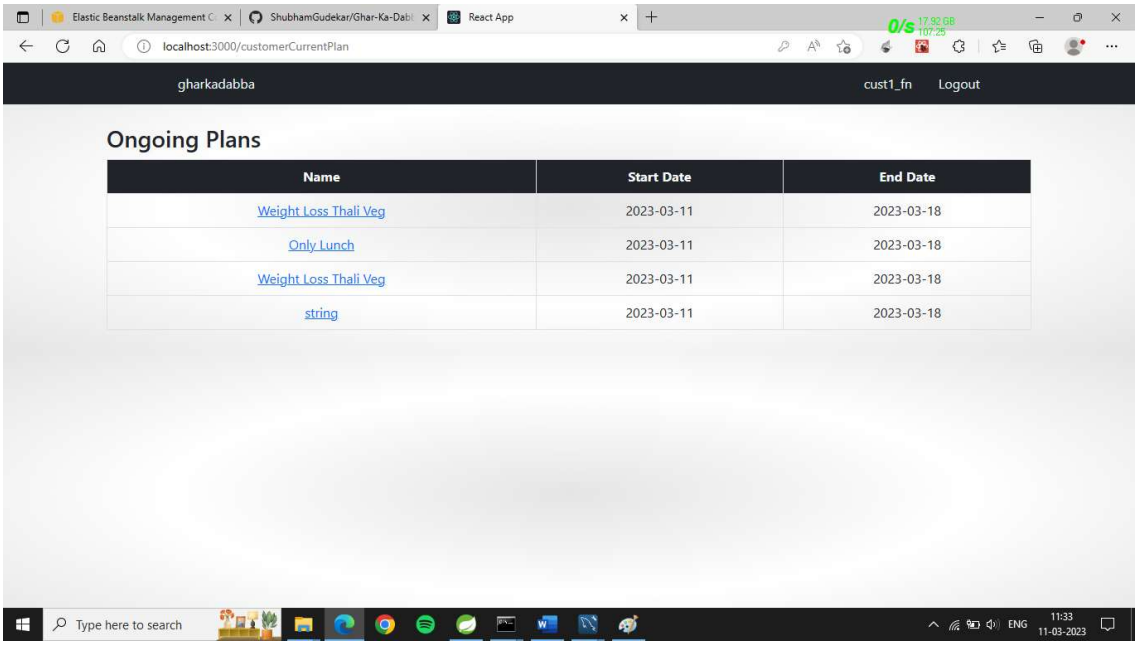

Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/subcription/plan/9
Weight Loss Thali Veg
A low calorie weight management plan constructed with simple yet good quality, nutritious ingredients that follow a calorie cap of 1500kcal. We make sure to please your taste buds during this diet plan.
Plan Type : WEEKLY
Price : 900 /- Rs
Buy
Plan Details
THURSDAY_LUNCH
WEDNESDAY_LUNCH
FRIDAY_LUNCH
MONDAY_LUNCH
Type here to search
ENG
11:31
11-03-2023

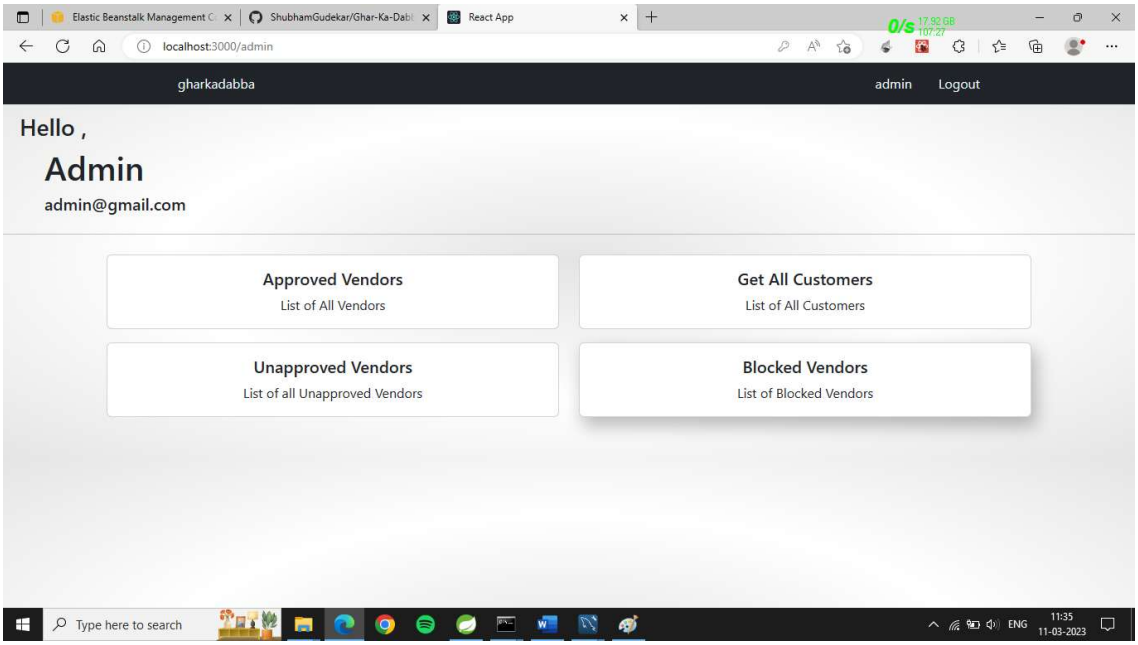

localhost:3000/tiffin/9/16
gharkadabba
cust1_fn
Logout
SUNDAY_LUNCH
Kadhai Paneer, 1 Thepla & Wild Rice Thali with Sprouts
Simple yet amazingly flavourful paneer dish made with soft paneer cooked with crisp capsicums, served with methi thepla and rice mix.
VEG
Cost : 150/- Rs
Cancel
Type here to search

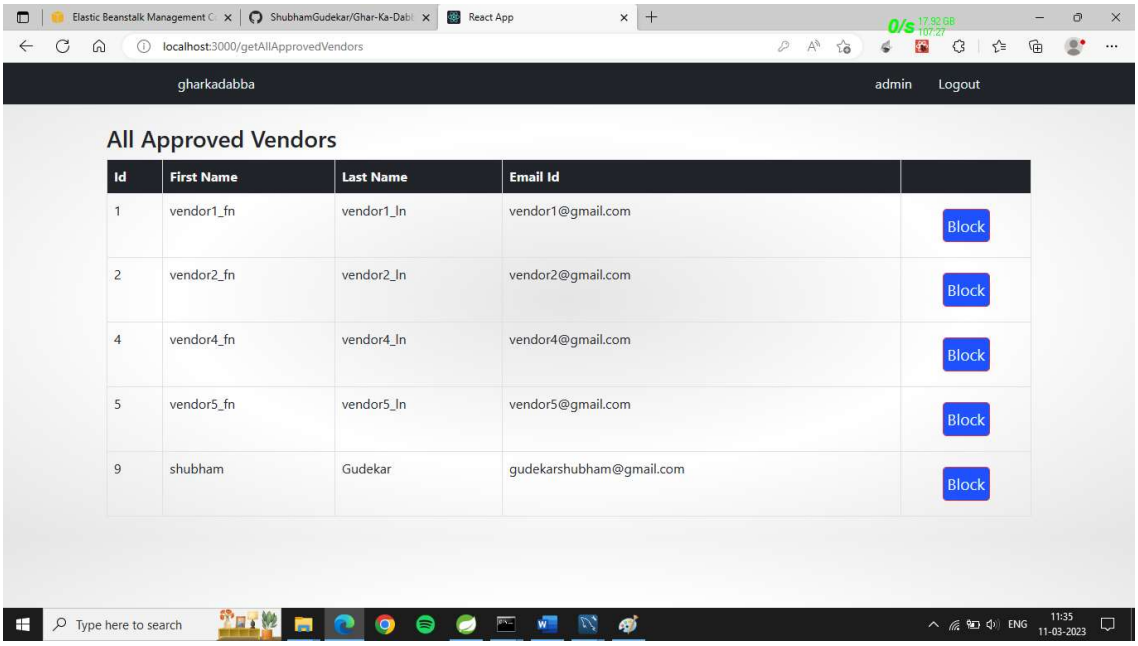

localhost:3000/subcription/plan/9
Weight Loss Thali Veg
A low calorie weight management plan constructed with simple yet good quality, nutritious ingredients that follow a calorie cap of 1500kcal. We make sure to please your taste buds during this diet plan.
Plan Type : WEEKLY
Price : 900 /- Rs
Buy
Do You Want to Place Order?
Cancel
OK
Plan Details
THURSDAY_LUNCH
WEDNESDAY_LUNCH
FRIDAY_LUNCH
MONDAY_LUNCH
Type here to search

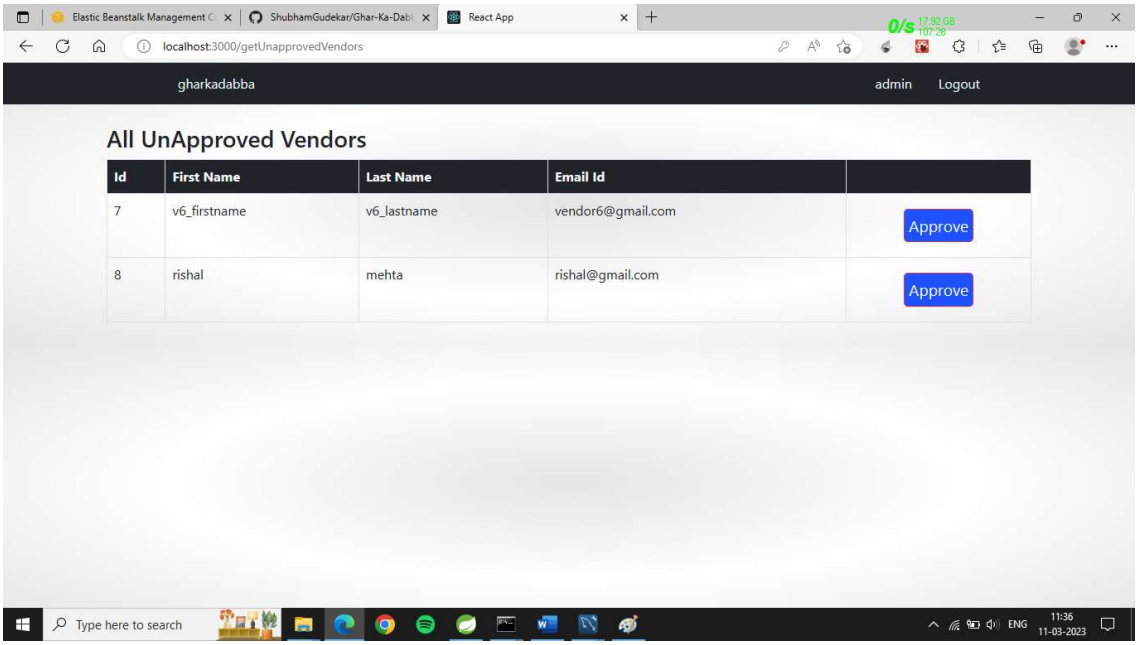

Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/subcription/plan/9
Weight Loss Thali Veg
A low calorie weight management plan constructed with simple yet good quality, nutritious ingredients that follow a calorie cap of 1500kcal. We make sure to please your taste buds during this diet plan.
Plan Type : WEEKLY
Price : 900 /- Rs
Buy
Order Placed
OK
Plan Details
THURSDAY_LUNCH
WEDNESDAY_LUNCH
FRIDAY_LUNCH
MONDAY_LUNCH
Type here to search
ENG
11:32
11-03-2023

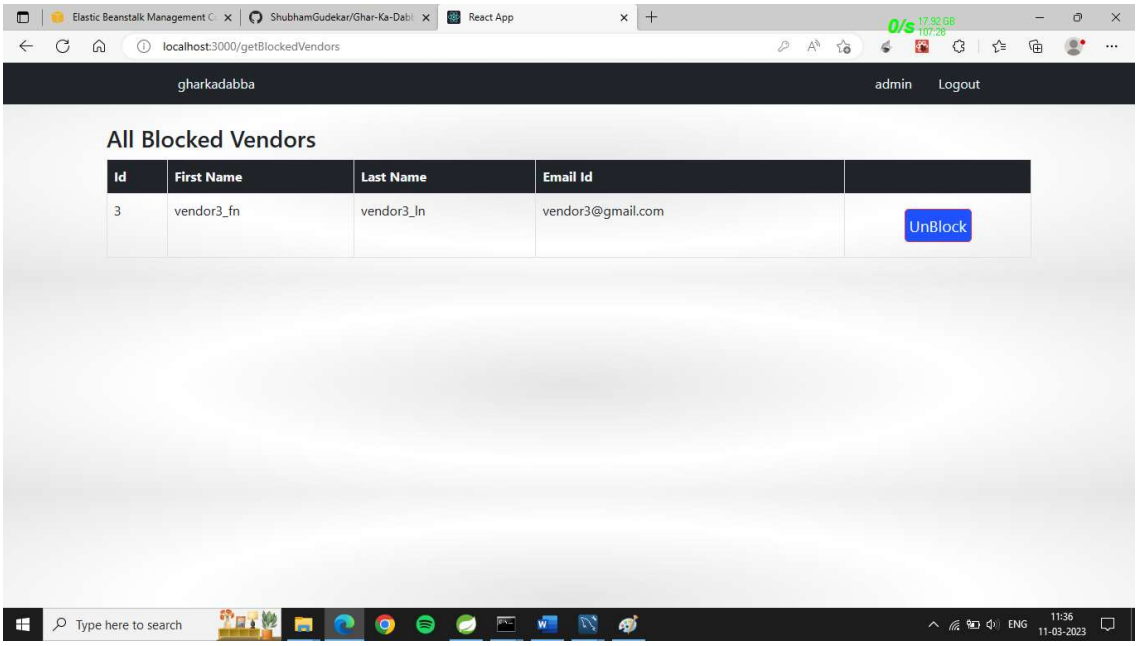

Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/viewCustOrder
gharkadabba
cust1_fn
Logout
All Orders Placed
Id
DateTime
Plan
Price
5
2023-03-11T04:44:34.414702
Weight Loss Thali Veg
900
1
2023-03-11T02:14:09.618247
string
0
2
2023-03-11T02:14:16.030545
Only Lunch
1200
6
2023-03-11T11:32:11.060117
Weight Loss Thali Veg
900
Type here to search
ENG
11:33
11-03-2023

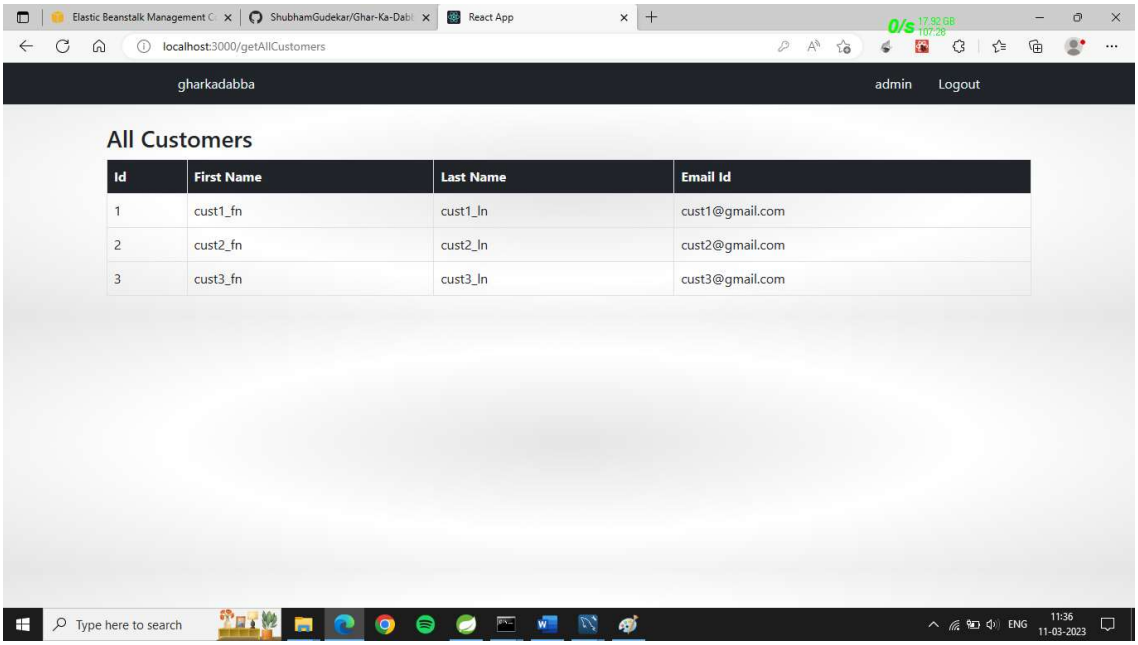

Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/customerCurrentPlan
gharkadabba
cust1_fn
Logout
Ongoing Plans
Name
Start Date
End Date
Weight Loss Thali Veg
2023-03-11
2023-03-18
Only Lunch
2023-03-11
2023-03-18
Weight Loss Thali Veg
2023-03-11
2023-03-18
string
2023-03-11
2023-03-18
Type here to search
ENG
11:33
11-03-2023


Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/admin
gharkadabba
admin
Logout
Hello ,
Admin
admin@gmail.com
Approved Vendors
List of All Vendors
Get All Customers
List of All Customers
Unapproved Vendors
List of all Unapproved Vendors
Blocked Vendors
List of Blocked Vendors
Type here to search
ENG
11:35
11-03-2023


Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/getAllApprovedVendors
gharkadabba
admin
Logout
All Approved Vendors
Id
First Name
Last Name
Email Id
1
vendor1_fn
vendor1_ln
vendor1@gmail.com
Block
2
vendor2_fn
vendor2_ln
vendor2@gmail.com
Block
4
vendor4_fn
vendor4_ln
vendor4@gmail.com
Block
5
vendor5_fn
vendor5_ln
vendor5@gmail.com
Block
9
shubham
Gudekar
gudekarshubham@gmail.com
Block
Type here to search
ENG
11:35
11-03-2023


Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/getUnapprovedVendors
gharkadabba
admin
Logout
All UnApproved Vendors
Id
First Name
Last Name
Email Id
7
v6_firstname
v6_lastname
vendor6@gmail.com
Approve
8
rishal
mehta
rishal@gmail.com
Approve
Type here to search
ENG
11:36
11-03-2023


Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/getBlockedVendors
gharkadabba
admin
Logout
All Blocked Vendors
Id
First Name
Last Name
Email Id
3
vendor3_fn
vendor3_ln
vendor3@gmail.com
UnBlock
Type here to search
ENG
11:36
11-03-2023


Elastic Beanstalk Management C
ShubhamGudekar/Ghar-Ka-Dabb
React App
localhost:3000/getAllCustomers
gharkadabba
admin
Logout
All Customers
Id
First Name
Last Name
Email Id
1
cust1_fn
cust1_ln
cust1@gmail.com
2
cust2_fn
cust2_ln
cust2@gmail.com
3
cust3_fn
cust3_ln
cust3@gmail.com
Type here to search
ENG
11:36
11-03-2023

5. Table Structure.

customers

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
version	int	NO		NULL	
email	varchar(50)	YES	UNI	NULL	
first_name	varchar(50)	YES		NULL	
last_name	varchar(50)	YES		NULL	
mobile	varchar(10)	YES	UNI	NULL	
profile_image	varchar(255)	YES		NULL	
register_date	Datetime(6)	YES		NULL	
line1	varchar(255)	YES		NULL	
line2	varchar(255)	YES		NULL	
city	varchar(255)	YES		NULL	
pincode	int	YES		NULL	
state	varchar(255)	YES		NULL	

vendors

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
version	int	NO		NULL	
email	varchar(50)	YES	UNI	NULL	
first_name	varchar(50)	YES		NULL	
last_name	varchar(50)	YES		NULL	
mobile	varchar(10)	YES	UNI	NULL	
profile_image	varchar(255)	YES		NULL	
register_date	Datetime(6)	YES		NULL	
line1	varchar(255)	YES		NULL	
line2	varchar(255)	YES		NULL	
city	varchar(255)	YES		NULL	
pincode	int	YES		NULL	
state	varchar(255)	YES		NULL	
is_blocked	bit(1)	NO		NULL	
is_verified	bit(1)	NO		NULL	

subscription_plans

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
version	int	NO		NULL	
description	varchar(255)	YES		NULL	
is_avaliable	bit(1)	NO		NULL	
name	varchar(255)	YES		NULL	
plan_type	varchar(255)	YES	UNI	NULL	
price	double	NO		NULL	
vendor_id	bigint	YES	MUL	NULL	
image	varchar(255)	YES		NULL	

tiffin

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
version	int	NO		NULL	
description	varchar(255)	YES		NULL	
day	varchar(255)	YES		NULL	
name	varchar(255)	YES		NULL	
food_type	varchar(255)	YES		NULL	
price	double	NO		NULL	
subscription_plan_id	bigint	YES	MUL	NULL	
image_path	varchar(255)	YES		NULL	

orders

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
version	int	NO		NULL	
date_time	datetime(6)	YES		NULL	
quantity	int	NO		NULL	
customer_id	bigint	YES	MUL	NULL	

plan_orders

Field	Type	Null	Key	Default	Extra
subscriptipon_id	bigint	NO	PRI	NULL	
order_id	bigint	NO	PRI	NULL	

customer_plans

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
version	int	NO		NULL	
end_date	date	YES		NULL	
start_date	date	YES		NULL	
customer_id	bigint	YES	MUL	NULL	
subscription_plan_id	bigint	YES	MUL	NULL	

payments

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
version	int	NO		NULL	
amount	double	YES		NULL	
payment_time	datetime(6)	YES		NULL	
payment_type	varchar(255)	YES		NULL	
razorpay_payment_id	varchar(255)	YES		NULL	
status	varchar(255)	YES		NULL	
order_id	bigint	YES	MUL	NULL	

otps

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
version	int	NO		NULL	
otp	int	NO		NULL	
date_created	datetime(6)	YES		NULL	
email	varchar(35)	YES		NULL	

logins

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
version	int	NO		NULL	
email	varchar(255)	YES	UNI	NULL	
password	varchar(350)	YES		NULL	
user_role	varchar(255)	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 tiffin 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 vendor

□ 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