

A PROJECT REPORT ON

# TIFFIN WALA

An Online Tiffin Delivery  
Service

SUBMITTED IN PARTIAL

FULFILMENT OF

PG DIPLOMA IN ADVANCED COMPUTING (PG-DAC)



UNDER THE GUIDANCE OF

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AT

CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING C-  
DAC, PUNE

# ACKNOWLEDGEMENT

The project “TIFFIN WALA” was a great learning experience for us and we are submitting this work to Advanced Computing Training School (C- DAC ACTS, Pune).

We are very glad to mention the name of Mr. Jitesh Bafna for his valuable guidance to work on this project.

We are highly grateful to Ms. Risha P. R., Manager of ACTS Training Centre, CDAC, for her guidance and support whenever necessary during the course of our journey to acquire PG-Diploma in Advanced Computing (PG-DAC) through CDACACTS, Pune.

Our heartfelt thanks go to Mrs. Priyanka Ranade (Course Coordinator, PG-DAC) who gave us all the required support and kind coordination to provide all the necessities to complete the project and throughout the course up to the last day of the course.

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## **ABSTRACT**

Tiffin Wala is a website that provides a platform for tiffin service providers and customers to buy tiffins from tiffin walas. The goal of the project is to provide hygienic and high-quality food services to customers, particularly students and office workers. The project aims to make the food exploration and booking experience easier for users. The tiffin service industry has seen an increase in demand due to the current demand for healthy, preservative-free, and tasty food options. The project provides an opportunity for tiffin service providers to expand their customer base and reach a larger audience. The project utilizes a user-friendly interface for customers to browse the catalogue and order food online. The combination of frontend and backend technologies allows for the development of a full-stack web application that provides a seamless experience for both tiffin vendors and customers. The project can be used as a model for other tiffin service providers looking to expand their customer base and reach a larger audience.

# **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**

### **2.1. Proposed Methodology**

- Er 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.

### **2.2. S/W and H/W Requirements**

#### **Server Side:**

- HDD: 500 GB or above
- Processor: Intel corei5or 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

### **2.3. Technology platform used for project**

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

### **2.4. Reason for using specific technologies:**

- 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**

#### **3.1. 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.

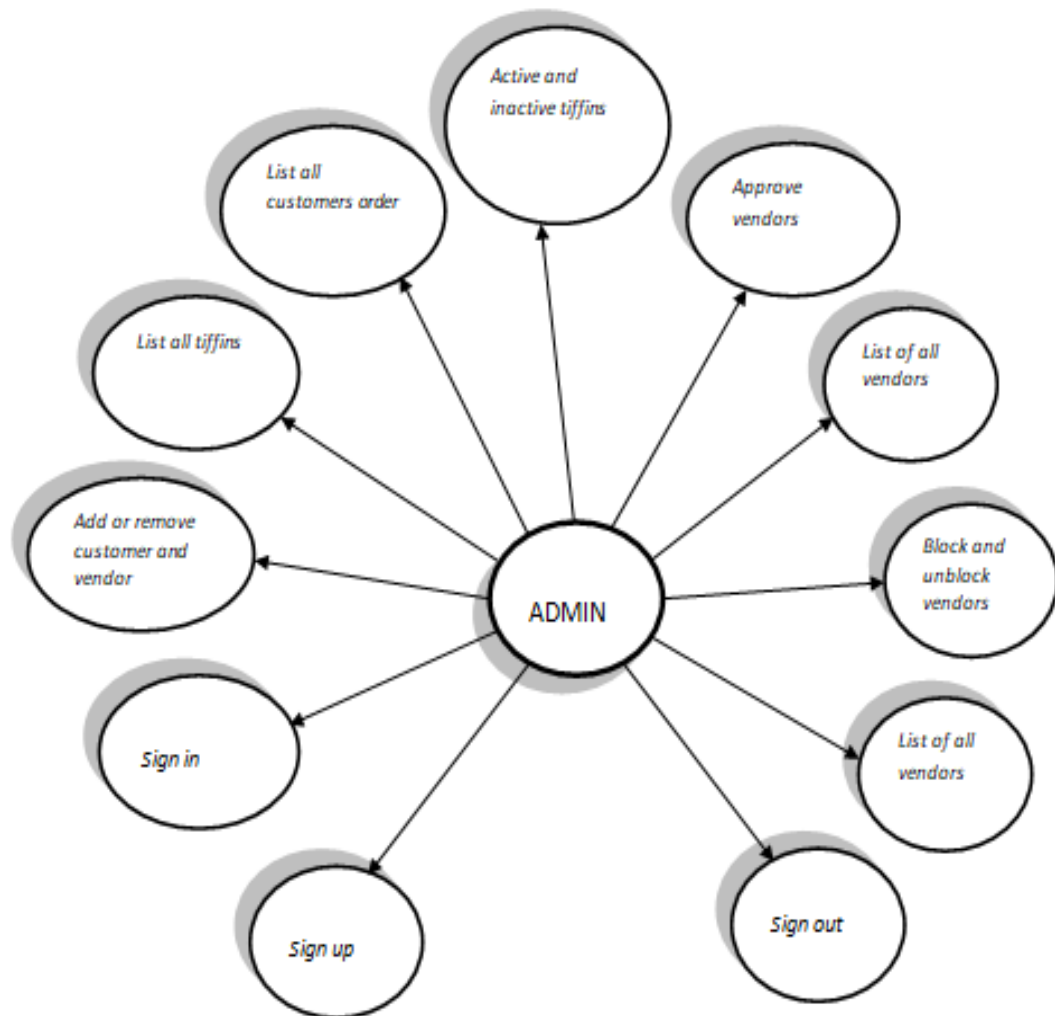
### **Communications Interfaces:**

- 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.

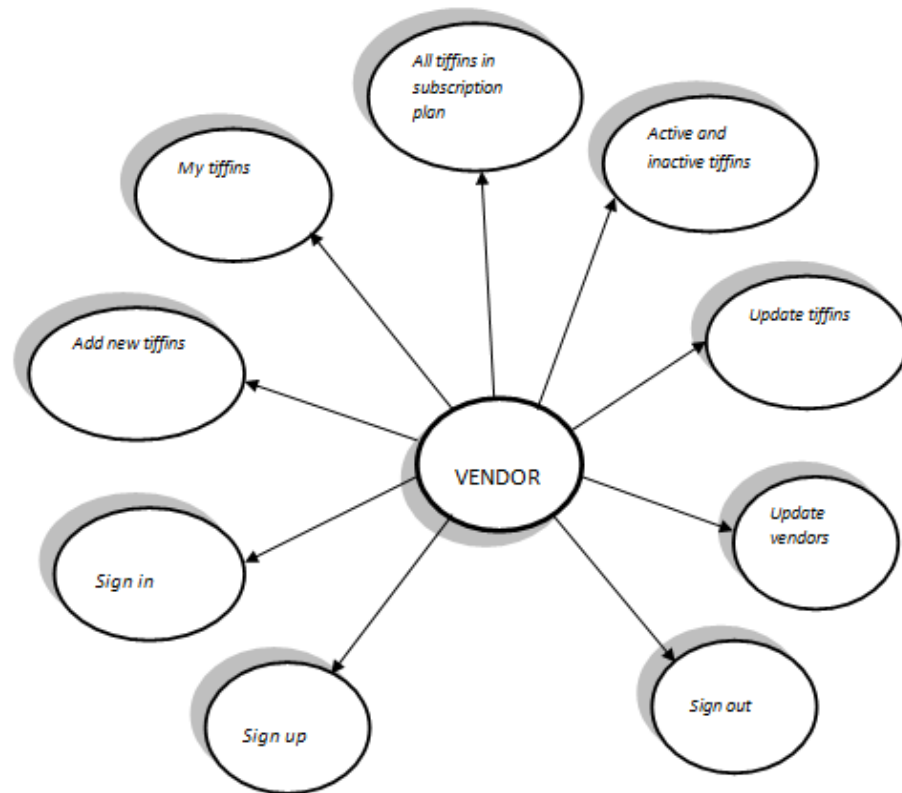
## 4. SYSTEM DIAGRAM

### 4.1. Use Diagram

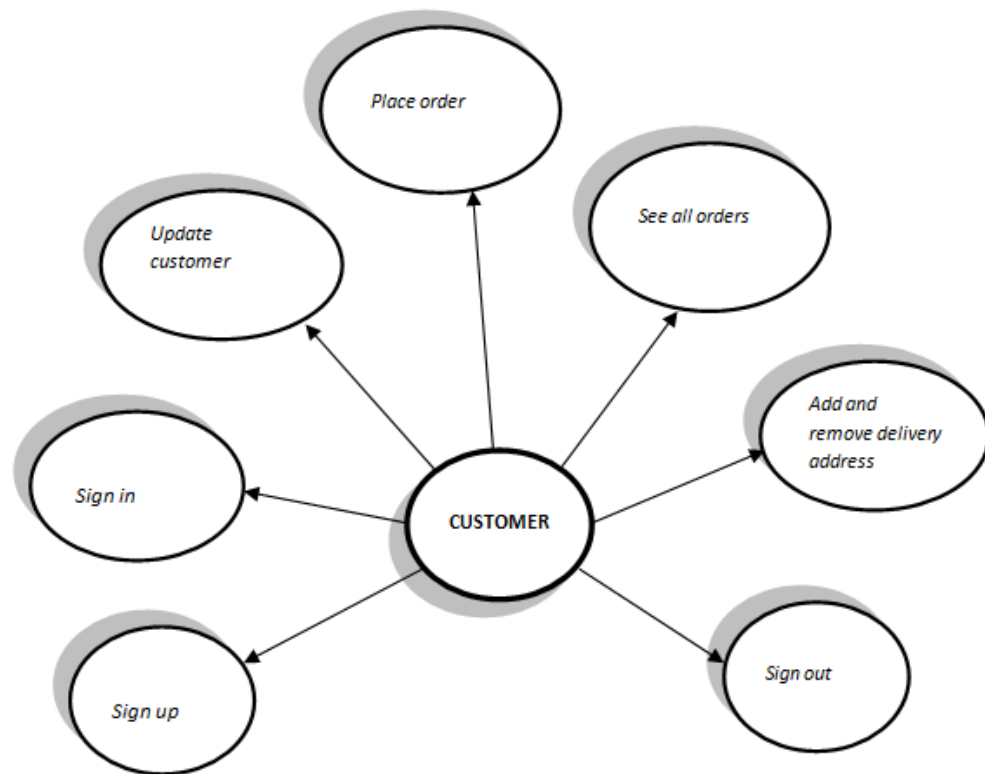
**Figure 1. Use Case Diagram Admin Activity**



**Figure 2. Use Case Diagram Vendor Activity**

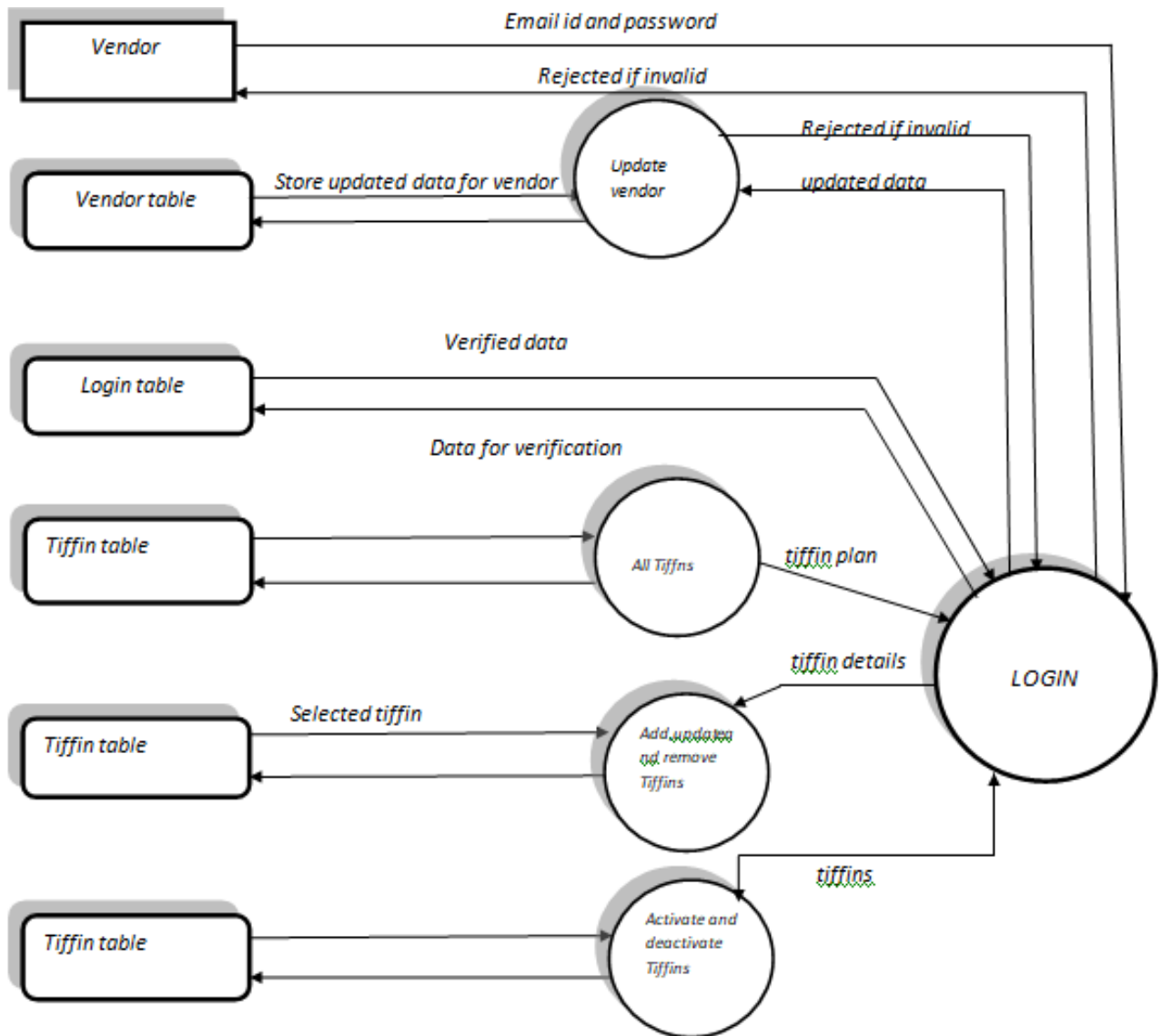


**Figure 3. Use Case Diagram Customer Activity**

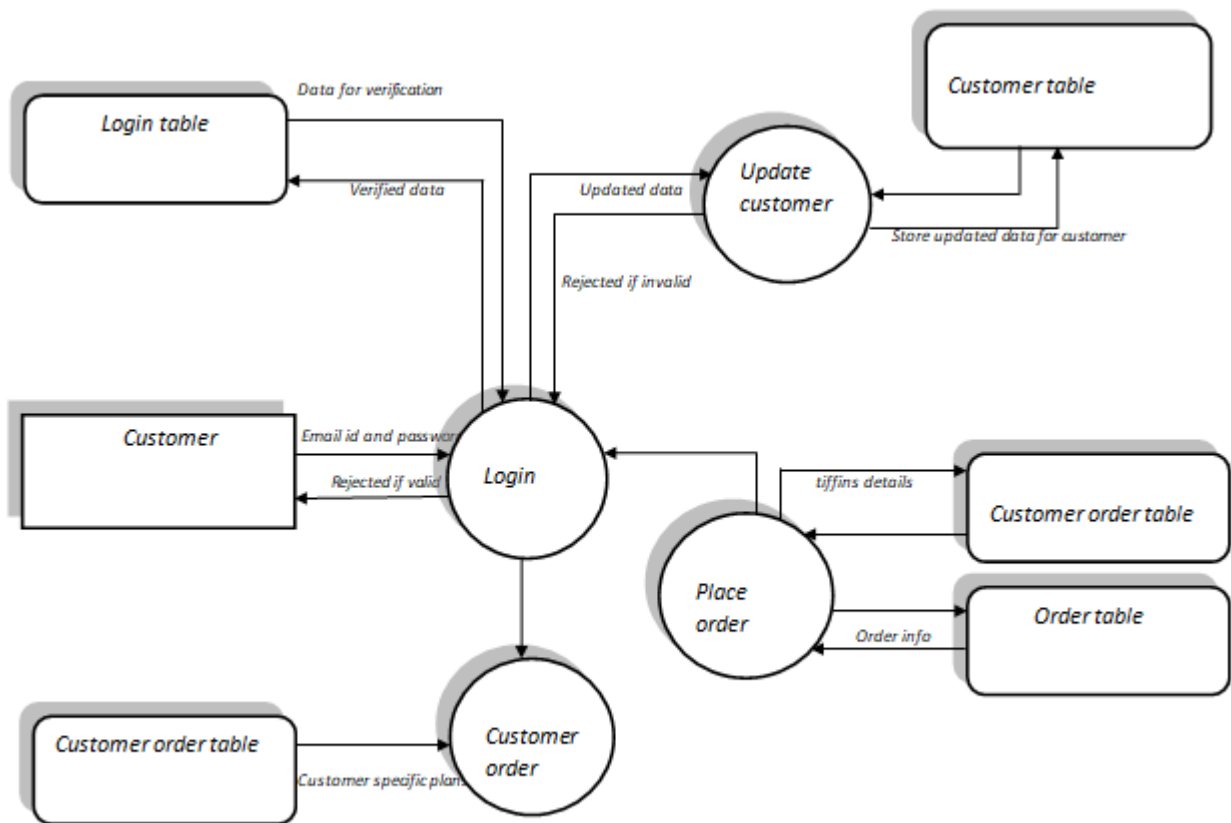


## 4.2.Data Flow Diagram

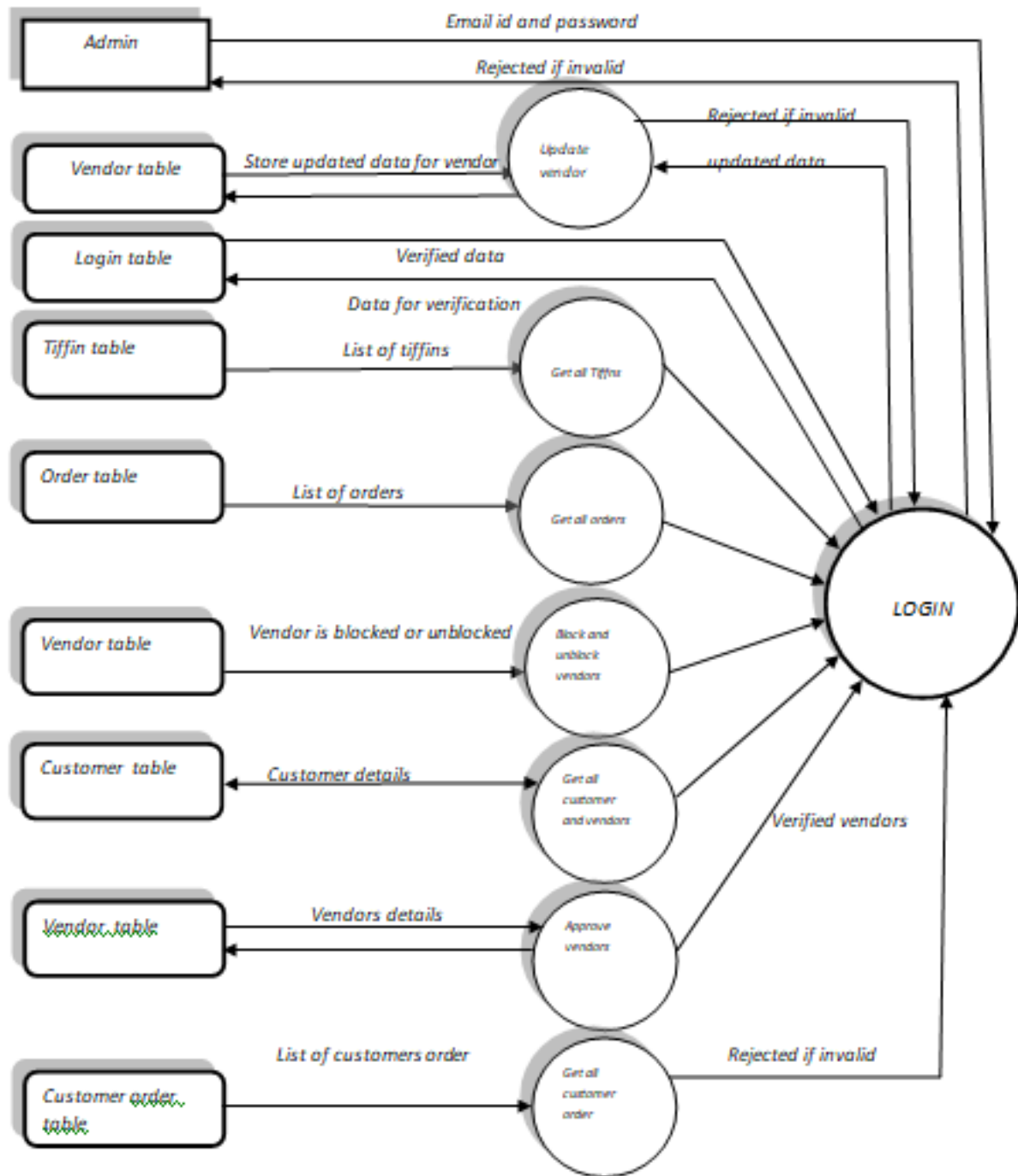
**Figure4.Vendor Level 1DFD**



**Figure5.Customer Level 1 DFD**

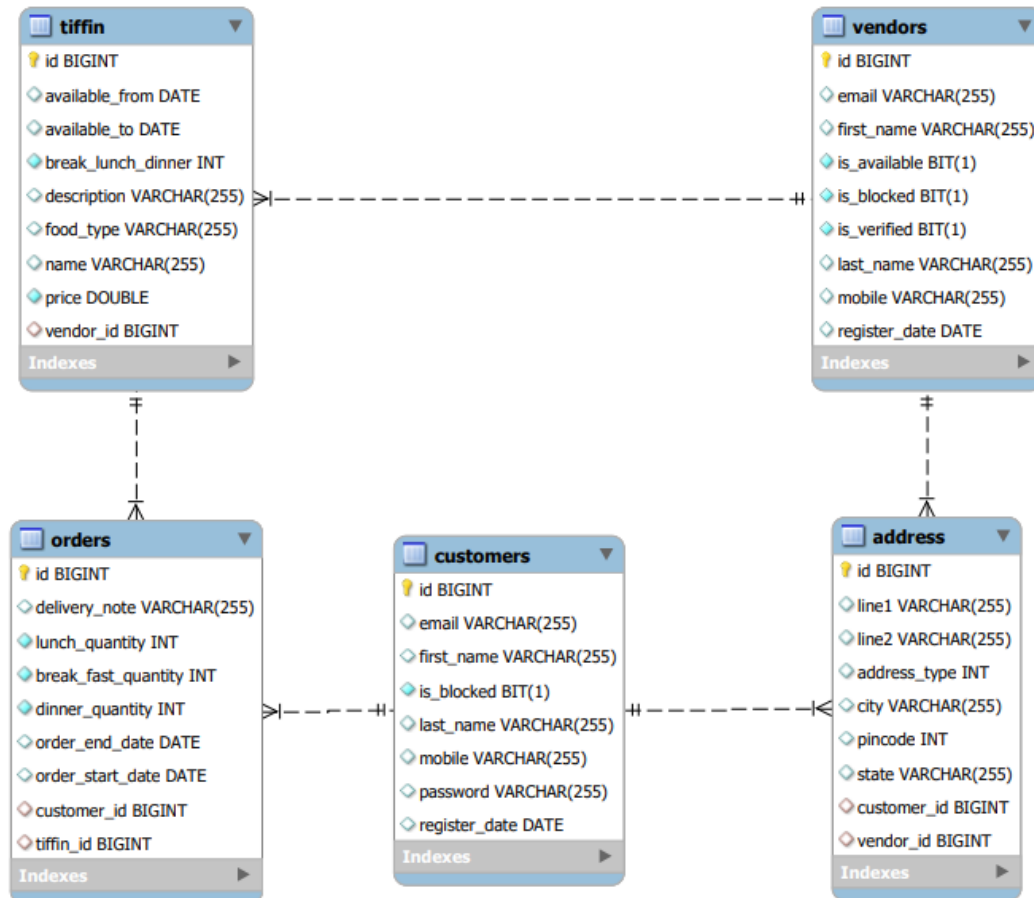


**Figure6.Admin Level 1 DFD**

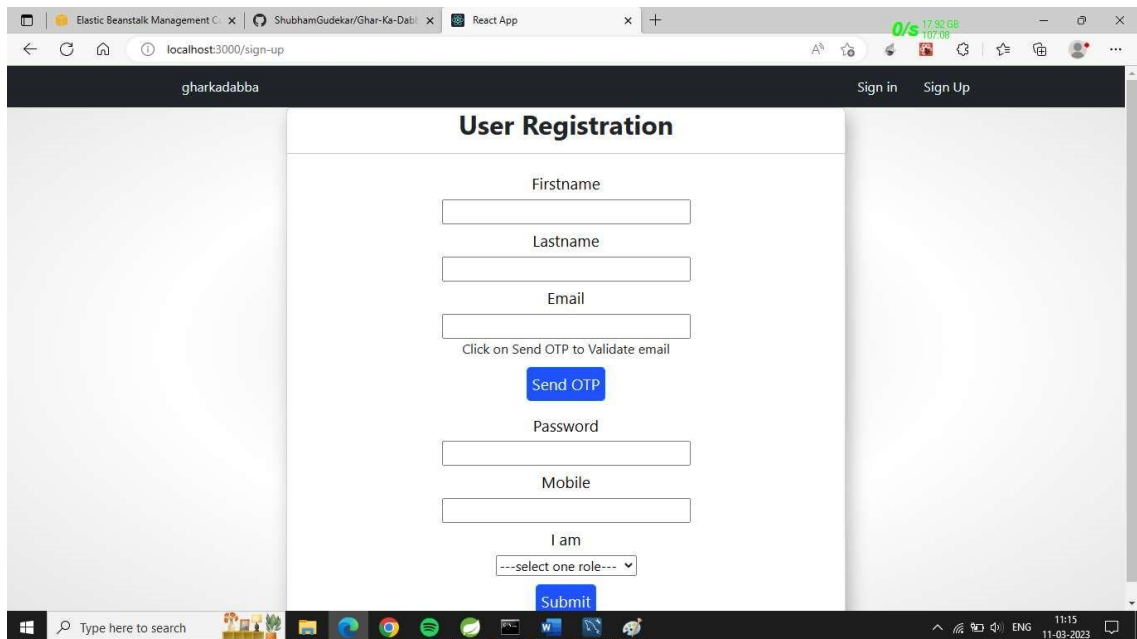
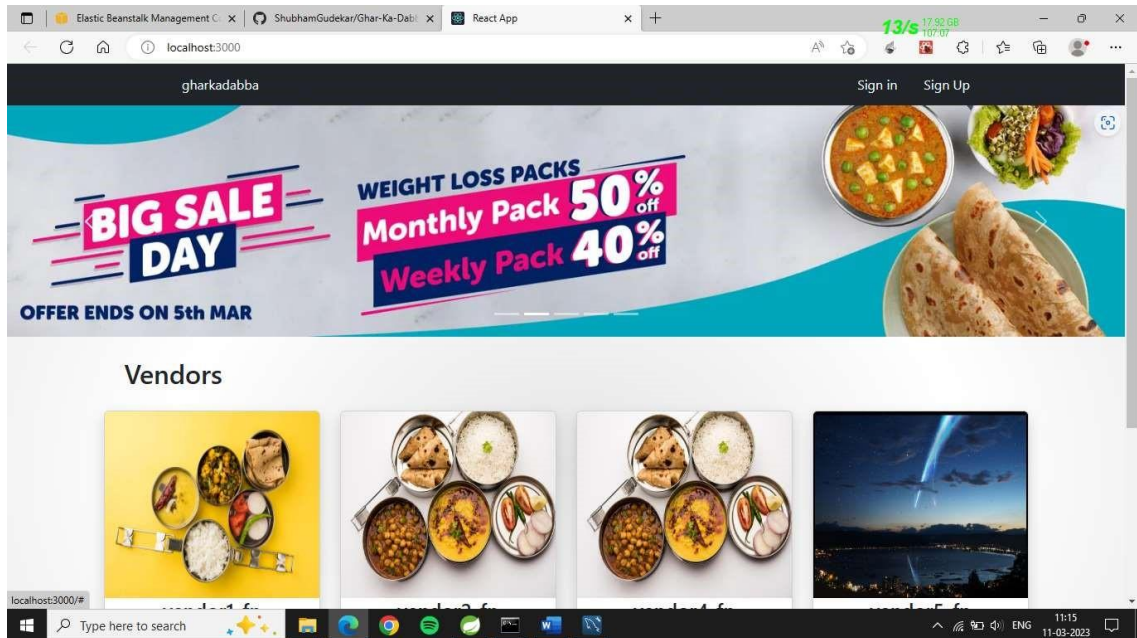


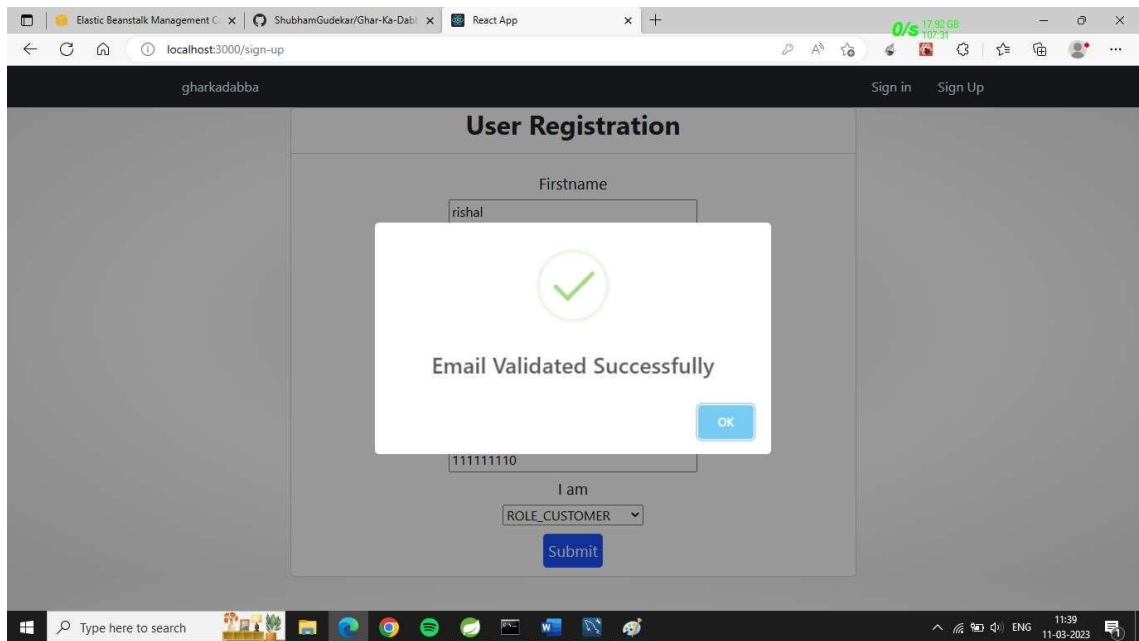
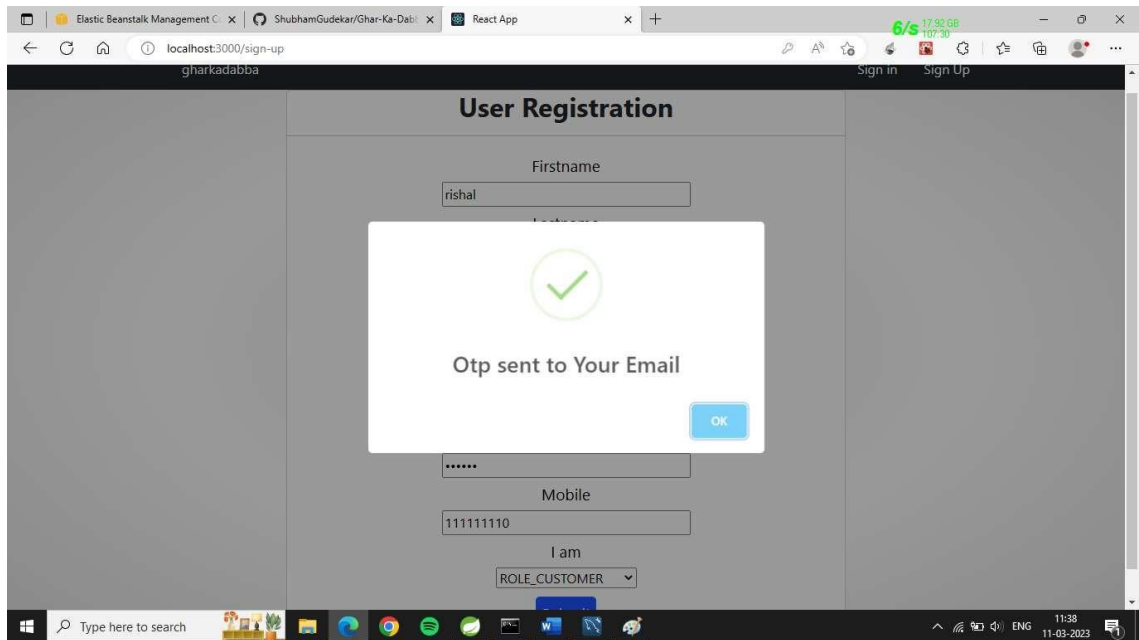


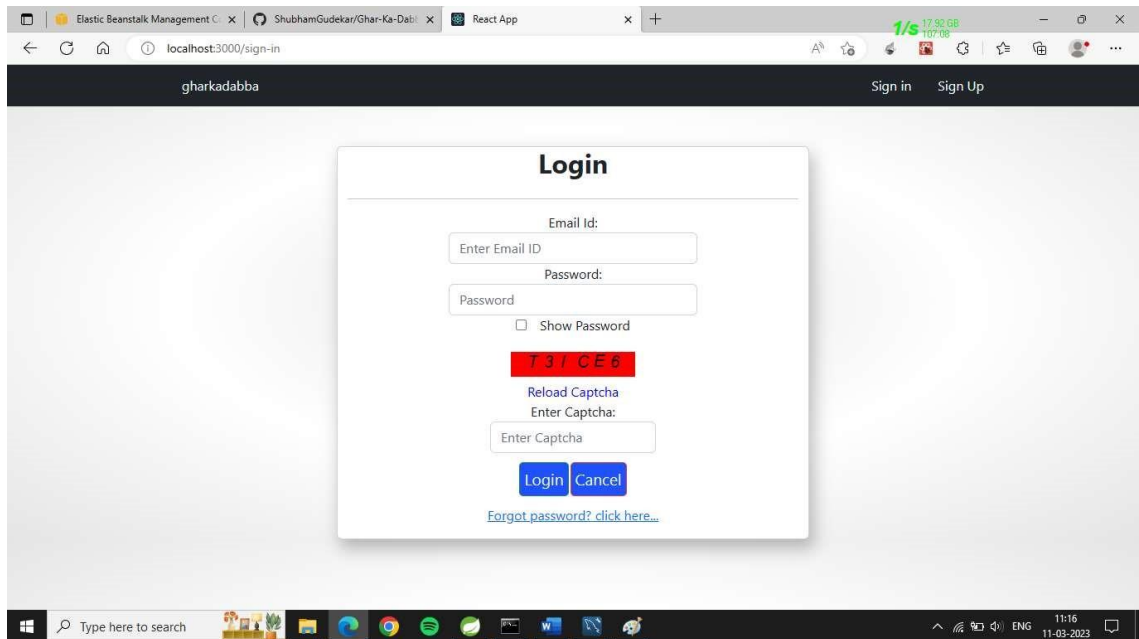
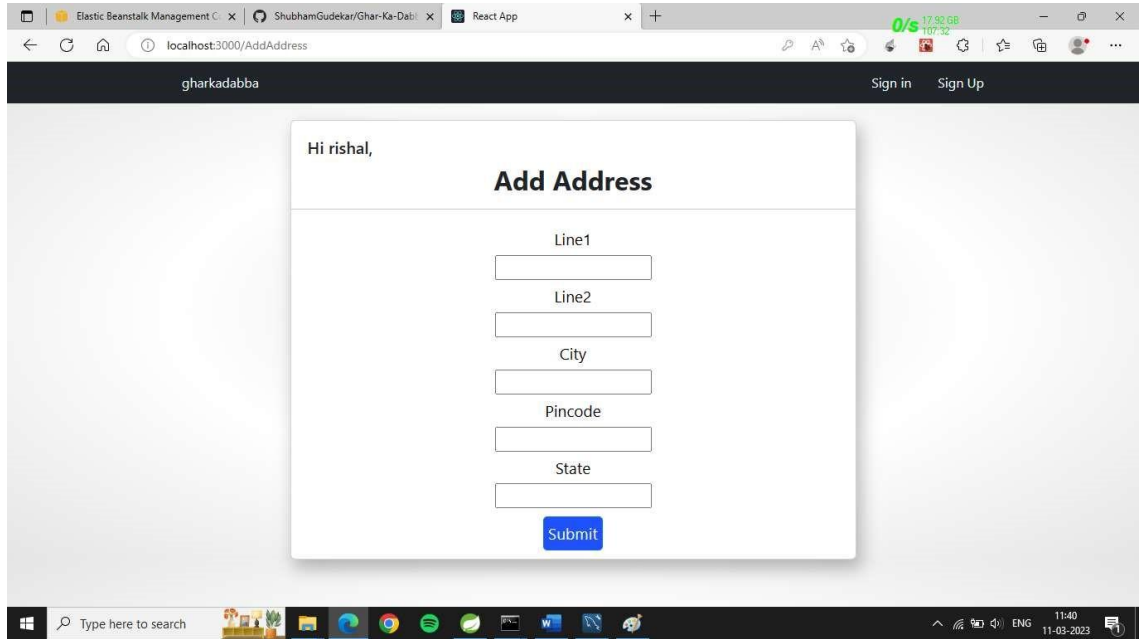
### 4.3. ER Diagram (MySQL Auto Generated)

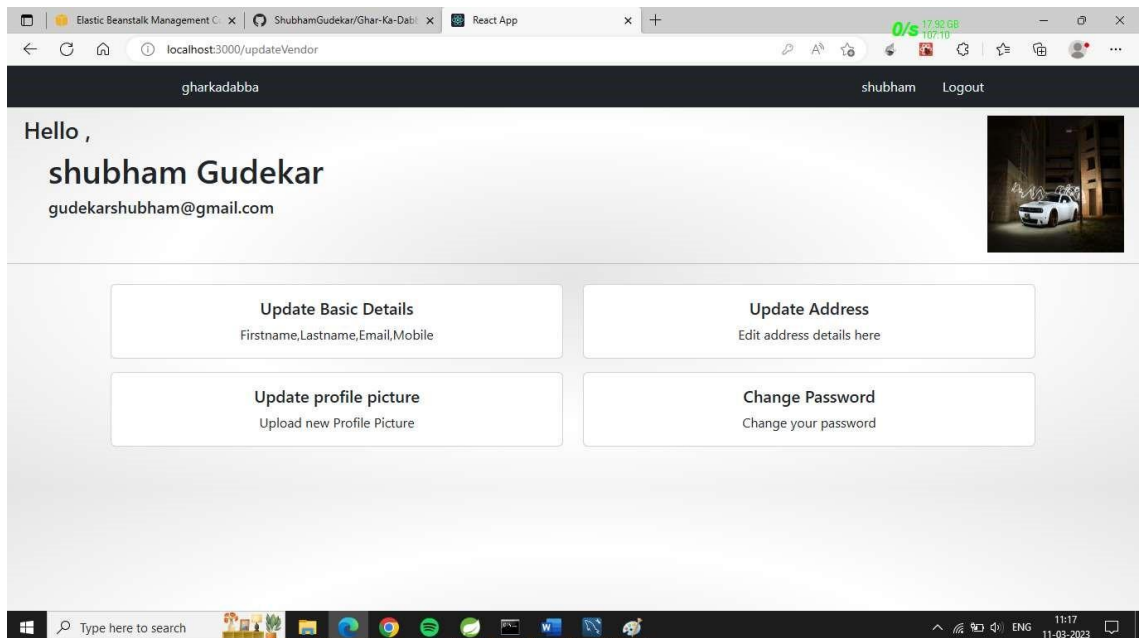
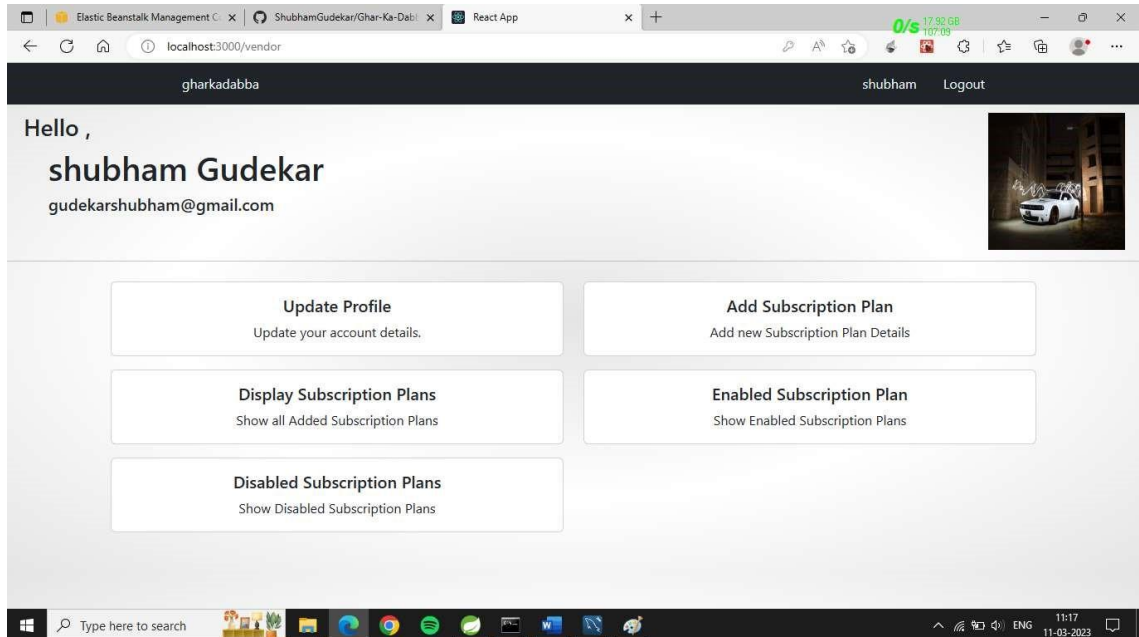


## 4.4. Project Screenshots









Elastic Beanstalk Management C ShubhamGudekar/Ghar-Ka-Dab 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

11:18 11-03-2023

Elastic Beanstalk Management C ShubhamGudekar/Ghar-Ka-Dab 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

11:19 11-03-2023

gharkadabba vendor1\_fn Logout

### Change Password

Current Password:

New Password:




☐ Show Password

Confirm Password:

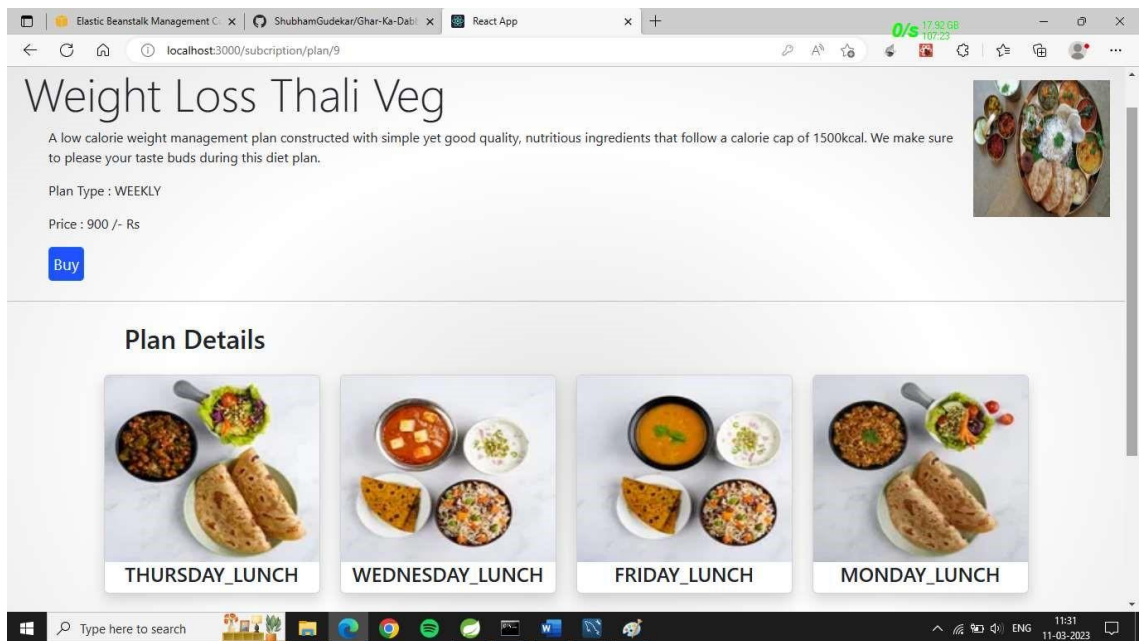
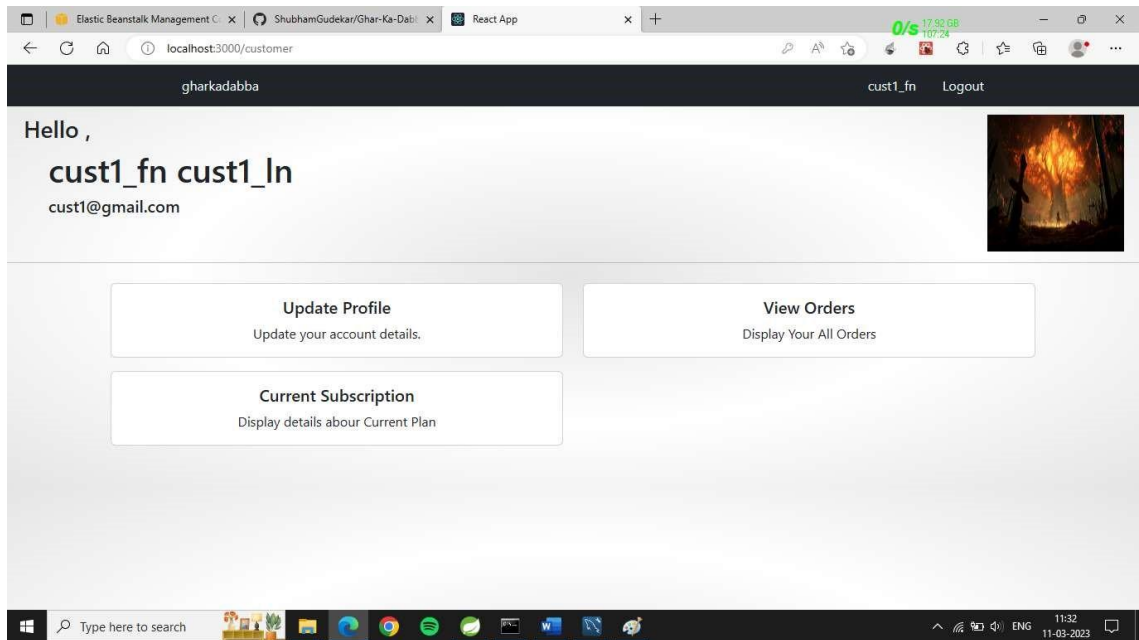
localhost:3000/addSubscriptionPlan

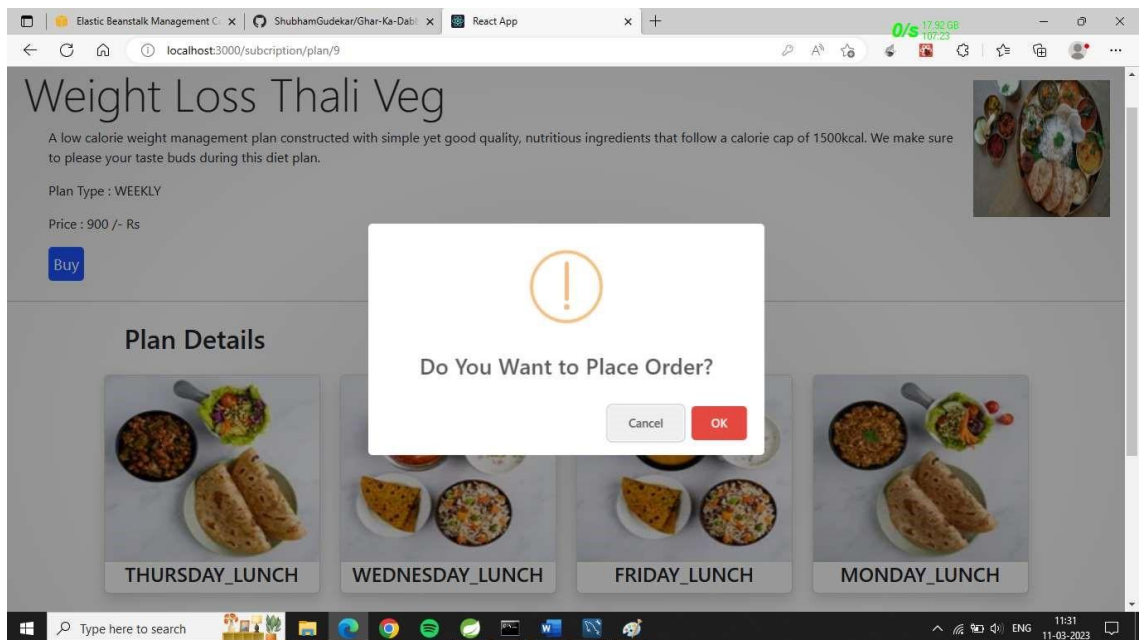
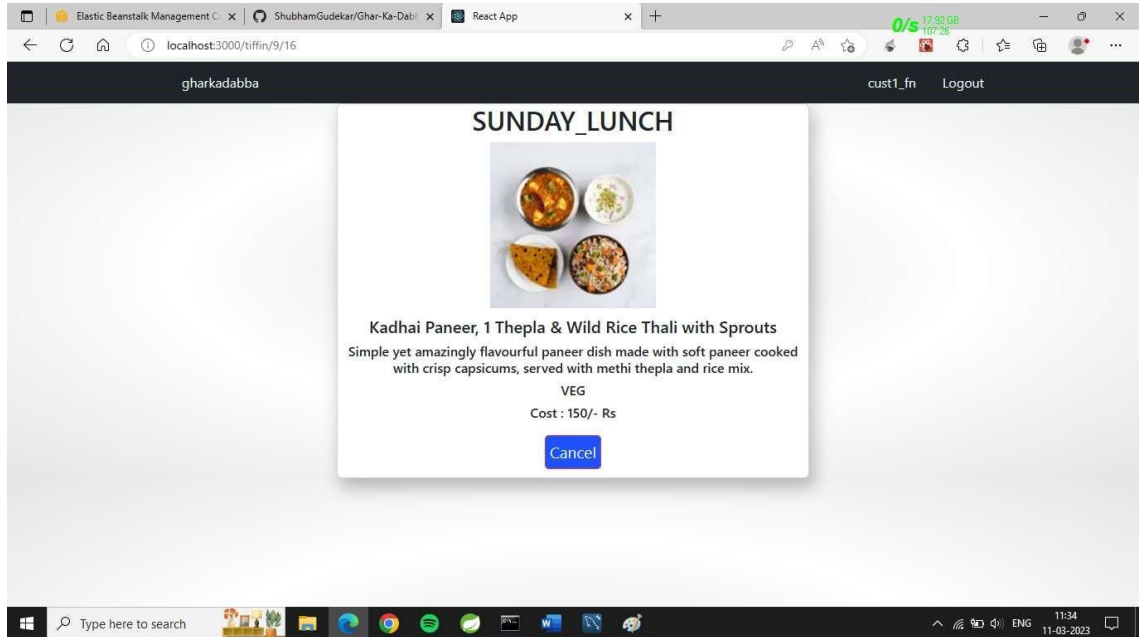
Day	Name	Description	Food Type	Price	ImagePath	
Sunday	<input type="text"/>	<input type="text"/>	select one ▼	<input type="text"/>	Choose File	No file chosen
Monday	<input type="text"/>	<input type="text"/>	select one ▼	<input type="text"/>	Choose File	No file chosen
Tuesday	<input type="text"/>	<input type="text"/>	select one ▼	<input type="text"/>	Choose File	No file chosen
Wednesday	<input type="text"/>	<input type="text"/>	select one ▼	<input type="text"/>	Choose File	No file chosen
Thursday	<input type="text"/>	<input type="text"/>	select one ▼	<input type="text"/>	Choose File	No file chosen
Friday	<input type="text"/>	<input type="text"/>	select one ▼	<input type="text"/>	Choose File	No file chosen
Saturday	<input type="text"/>	<input type="text"/>	select one ▼	<input type="text"/>	Choose File	No file chosen

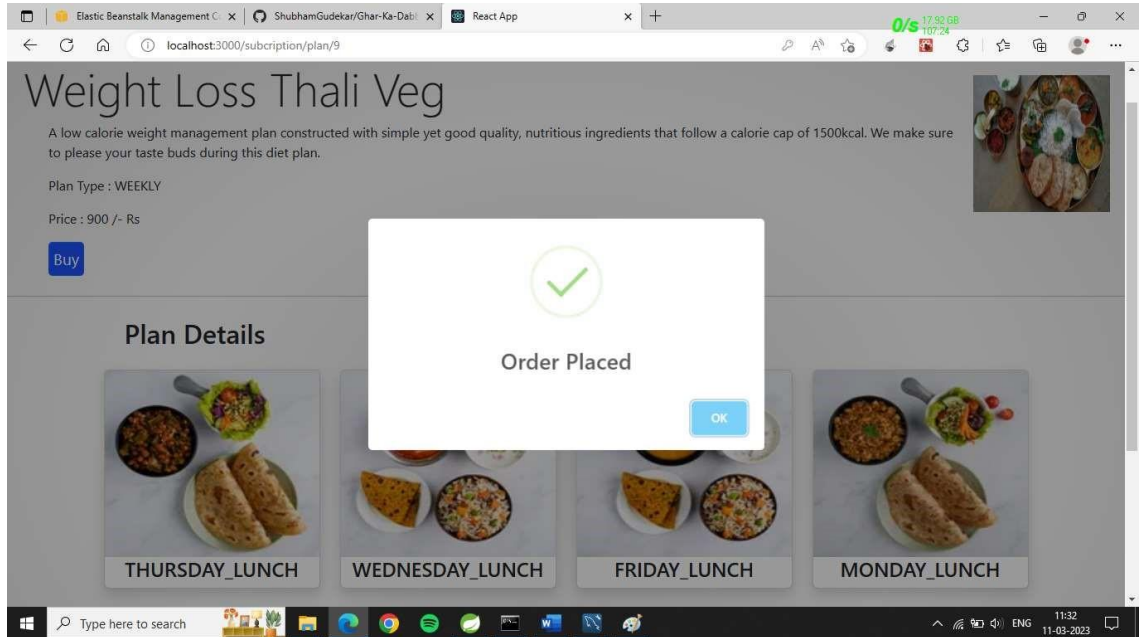
Name	Description	Plan Type	Price	Status			
<a href="#">test1</a>	test1	WEEKLY	1000 /-	Available	Customers	Edit	Disable
<a href="#">test2</a>	test2	MONTHLY	400 /-	Not Available	Customers	Edit	Enable
<a href="#">test4n</a>	test4n	MONTHLY	17699 /-	Available	Customers	Edit	Disable
<a href="#">Weight Loss Thali Veg</a>	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 /-	Available	Customers	Edit	Disable
<a href="#">test3</a>	test3	WEEKLY	500 /-	Not Available	Customers	Edit	Enable
<a href="#">test2</a>	test2	WEEKLY	400 /-	Not Available	Customers	Edit	Enable
<a href="#">test2</a>	test2	MONTHLY	400 /-	Not Available	Customers	Edit	Enable

 <p>Subscription Plan Image</p> <p>Choose File No file chosen</p>					
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	 <p>Choose File No file chosen</p>
Monday	Soya Tofu Keema, 2 Paratha Thali with	Enjoy soft parathas with mildly spiced	Saved food Type VEG select one	150	







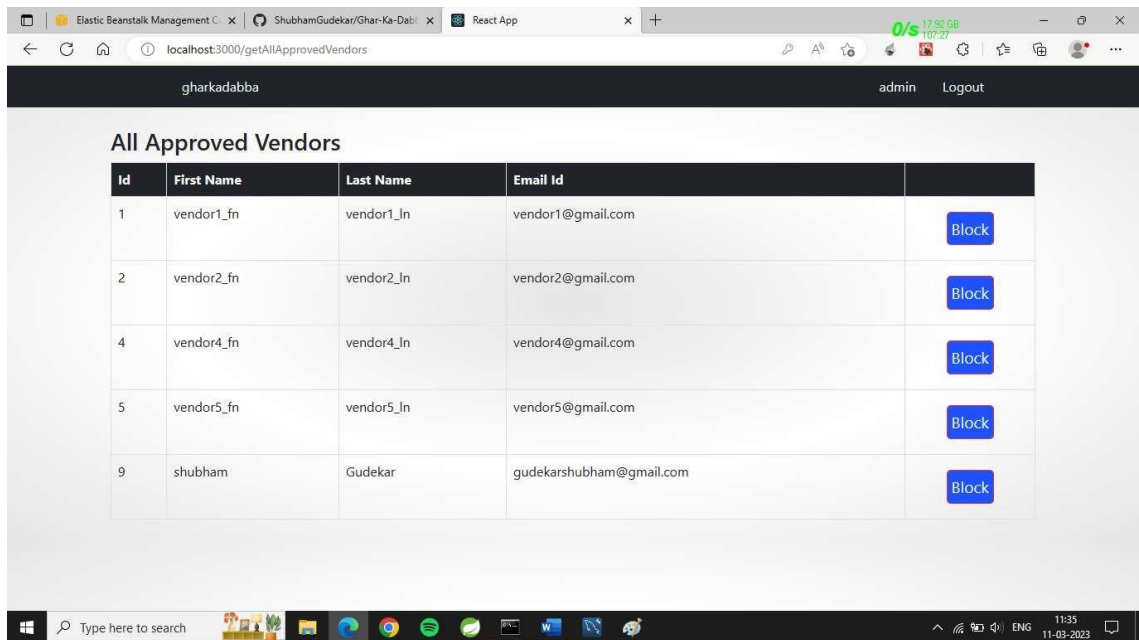
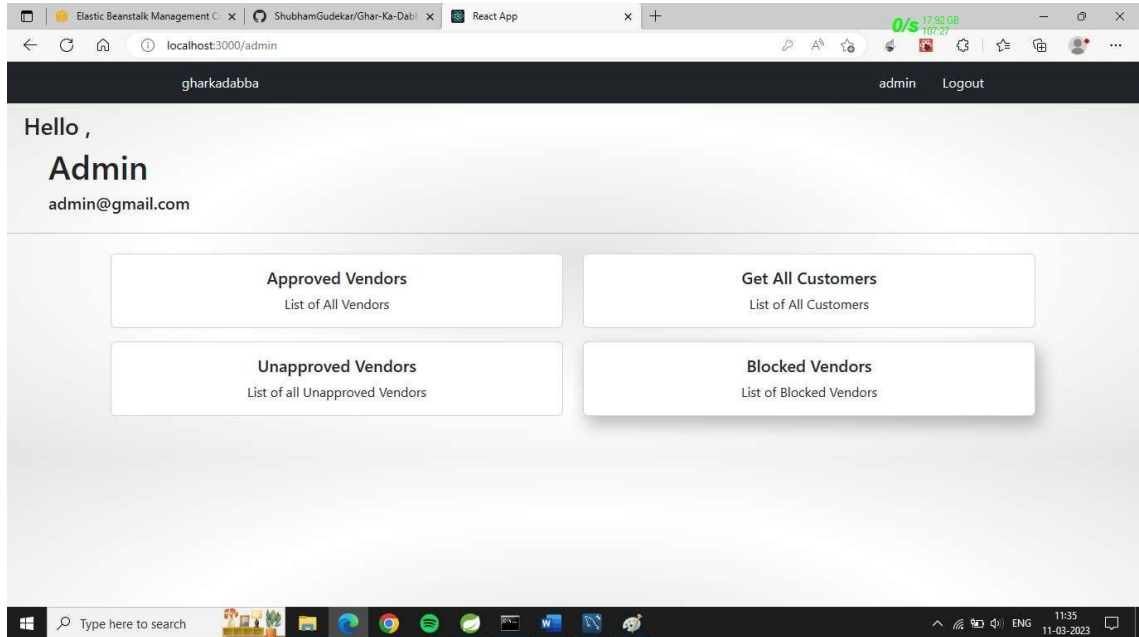


gharkadabba

cust1\_fn Logout

All Orders Placed

Id	DateTime	Plan	Price
5	2023-03-11T04:44:34.414702	<a href="#">Weight Loss Thali Veg</a>	900
1	2023-03-11T02:14:09.618247	<a href="#">string</a>	0
2	2023-03-11T02:14:16.030545	<a href="#">Only Lunch</a>	1200
6	2023-03-11T11:32:11.060117	<a href="#">Weight Loss Thali Veg</a>	900



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

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

Browser tabs: Elastic Beanstalk Management, ShubhamGudekar/Ghar-Ka-Dabi, React App

Address bar: localhost:3000/getAllCustomers

Page header: 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

Windows taskbar: Type here to search, 11:36 11-03-2023

## **5. TABLE STRUCTURE**

### **5.1. Customers**

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
email	varchar(50)	YES	UNI	NULL	
first_name	varchar(50)	YES		NULL	
last_name	varchar(50)	YES		NULL	
mobile	varchar(10)	YES	UNI	NULL	
register_date	Datetime(6)	YES		NULL	
is_blocked	Bit(1)	NO		NULL	
password	varchar(255)	YES		NULL	

### **5.2. Vendors**

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
email	varchar(50)	YES	UNI	NULL	
first_name	varchar(50)	YES		NULL	
last_name	varchar(50)	YES		NULL	
mobile	varchar(10)	YES	UNI	NULL	
register_date	Datetime(6)	YES		NULL	
is_verified	bit(1)	NO		NULL	
is_blocked	bit(1)	NO		NULL	
is_verified	bit(1)	NO		NULL	

### 5.3.Tiffins

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
available_from DATE	date	YES		NULL	
available_to DATE	date	YES		NULL	
break_lunch_dinner	int	YES		NULL	
description	varchar(255)	YES		NULL	
food_type	varchar(255)	YES		NULL	
name	double	NO		NULL	
price	double	NO		NULL	
vendor_id	bigint	NO		NULL	

### 5.4.Orders

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
delivery_note	Varchar(255)	NO		NULL	
lunch_quantity	int	NO		NULL	
break_fast_quantity	int	NO		NULL	
dinner_quantity	int	NO		NULL	
order_end_date	DATE	NO		NULL	
order_start_date	DATE	NO		NULL	
customer_id	bigint	NO		NULL	
tiffin_id	bigint	NO		NULL	



## 5.5.Address

Field	Type	NULL		Default	Extra
line1	varchar(255)	YES		NULL	
line2	varchar(255)	YES		NULL	
city	varchar(255)	YES		NULL	
pincode	int	YES		NULL	
state	varchar(255)	YES		NULL	
customer_id	bit(1)	NO		NULL	
Vendor_id	bit(1)	NO		NULL	
address_type	int	YES		NULL	

## 5.6.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**

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

### **6.1.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://reactjs.org/docs/getting-started.html>
- <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>