

# **Online Food Order System**

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# Introduction

- It is known globally that, in today's market, it is extremely difficult to start a new small-scale business and live-through the competition from the well-established and settled owners. In fast paced time of today, when everyone is squeezed for time, the majority of people are finicky when it comes to placing a food order. The customers of today are not only attracted because placing an order online is very convenient but also because they have visibility into the items offered, price and extremely simplified navigation for the order.
- Online ordering system that we are proposing here, greatly simplifies the ordering process for both the customer and the restaurant. System presents an interactive and up-to-date menu with all available options in an easy to use manner. Customer can choose one or more items to place an order which will land in the Cart. Customer can view all the order details in the cart before checking out. At the end, customer gets order confirmation details. Once the order is placed it is entered in the database and retrieved in pretty much real time. This allows Restaurant Employees to quickly go through the orders as they are received and process all orders efficiently and effectively with minimal delays and confusion.

# Scope

- For placing any orders customers have to visit hotels or restaurants to know about food items and then place order and pay. In this method time and manual work is required.
- While placing an order over the phone, customer lacks the physical copy of the menu item, lack of visual confirmation that the order was placed correctly. Every restaurant needs certain employees to take the order over phone or in-person, to offer a rich dining experience and process the payment. In today's market, labor rates are increasing day by day making it difficult to find employees when needed.
- Hence, to solve this issue, what we propose is an “Online Food Order System”. The main advantage of our system is that it greatly simplifies the ordering process for both the customer and the restaurant and also greatly lightens the load on the restaurant's end, as the entire process of taking orders is automated.

# Technology

We used Java Spring-Boot as backend and React JS as Frontend in our Project.

## ❖ Spring-Boot :-

The main goal of the **Spring Boot** framework is to reduce overall development time and increase efficiency. React has become the first choice for frontend because it gives developers the ability to work with a virtual browser (more friendly than the real browser). Also, a JavaScript developer can become a productive developer in a few hours because there is a small API to learn, a few functions, and how to use them...

## ❖ React :-

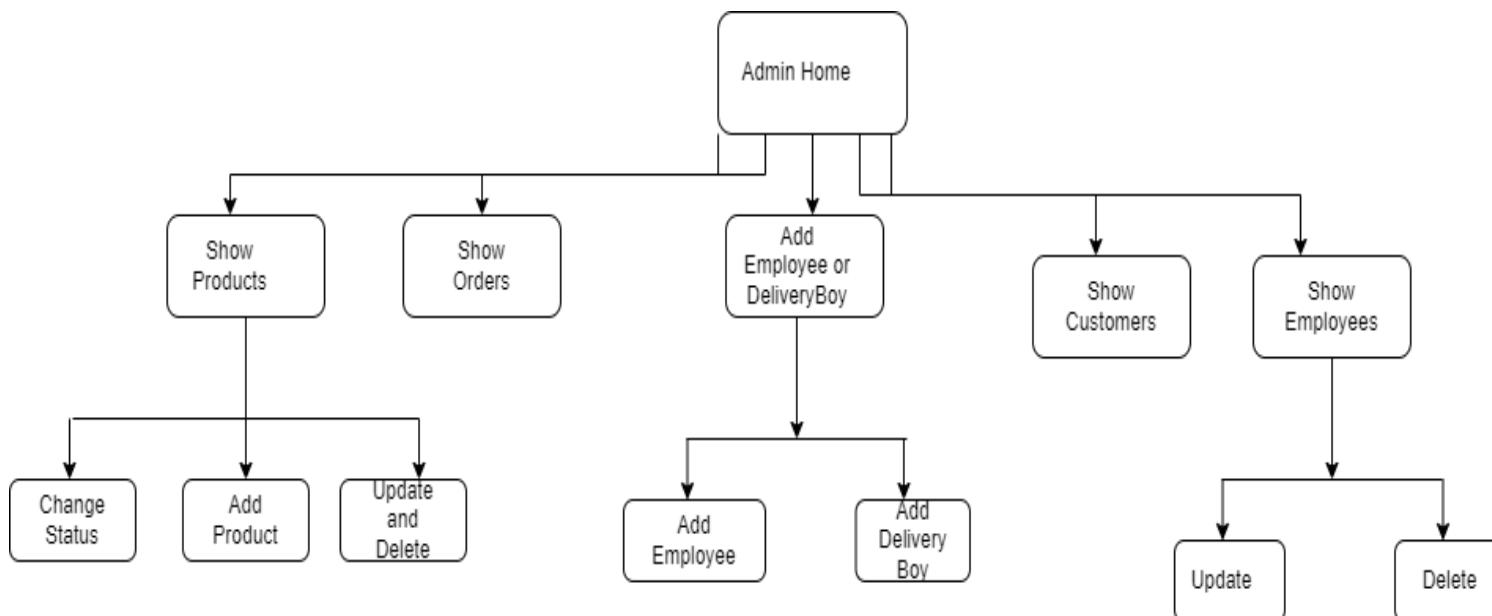
**React** allows developers to create large web applications that can change data, without reloading the page. The main purpose of **React** is to be fast, scalable, and simple. **Spring**

# Modules

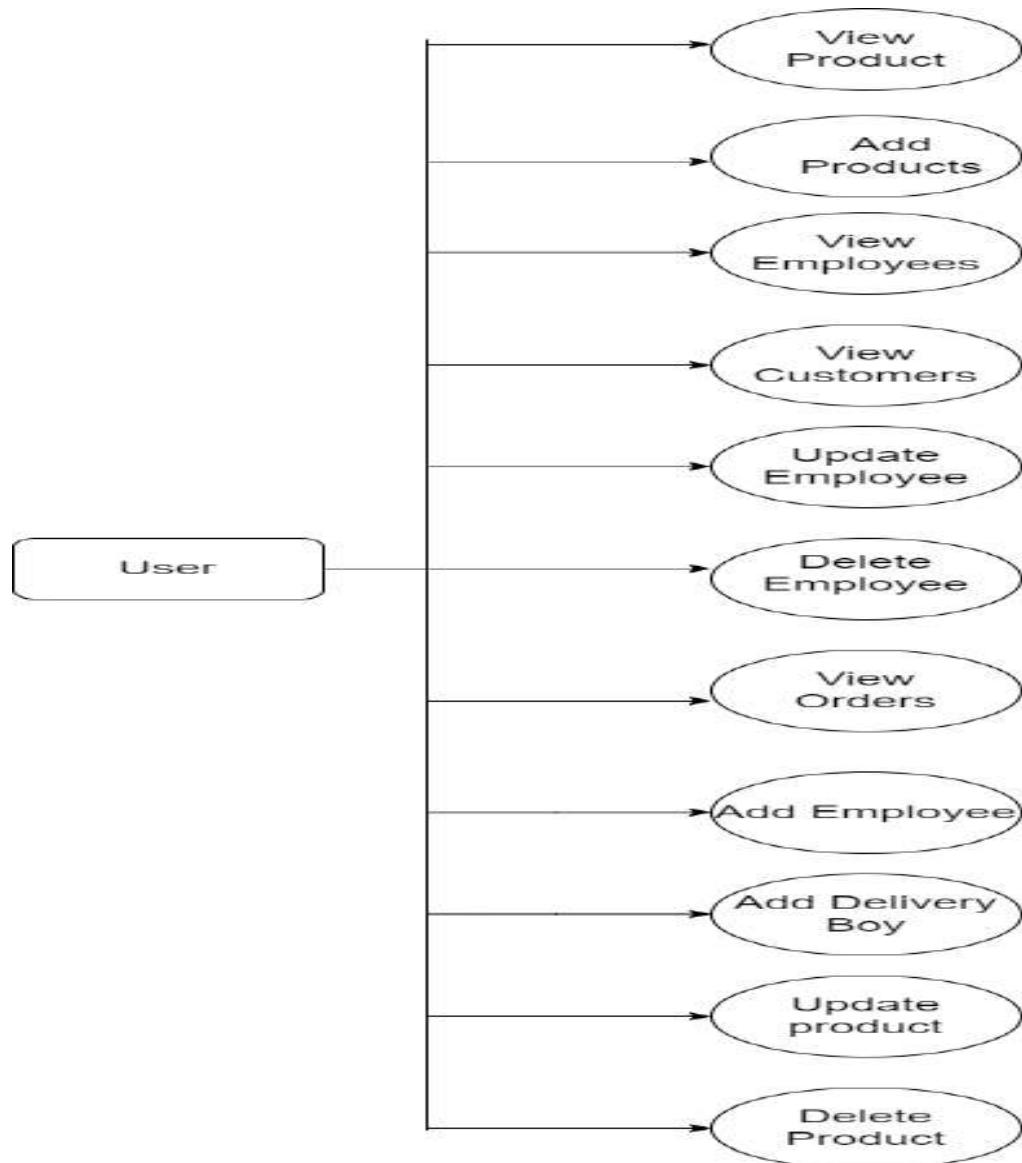


# ADMIN

- Add, Modify and Delete Category: Allows to add or update and delete food Category name .
- Add, Modify and Delete Product: Allows to add or update and delete Product Name, Description, Price and choose particular Category .
- Manages Restaurant Employee and Delivery Boy : Provides User Id and Password.

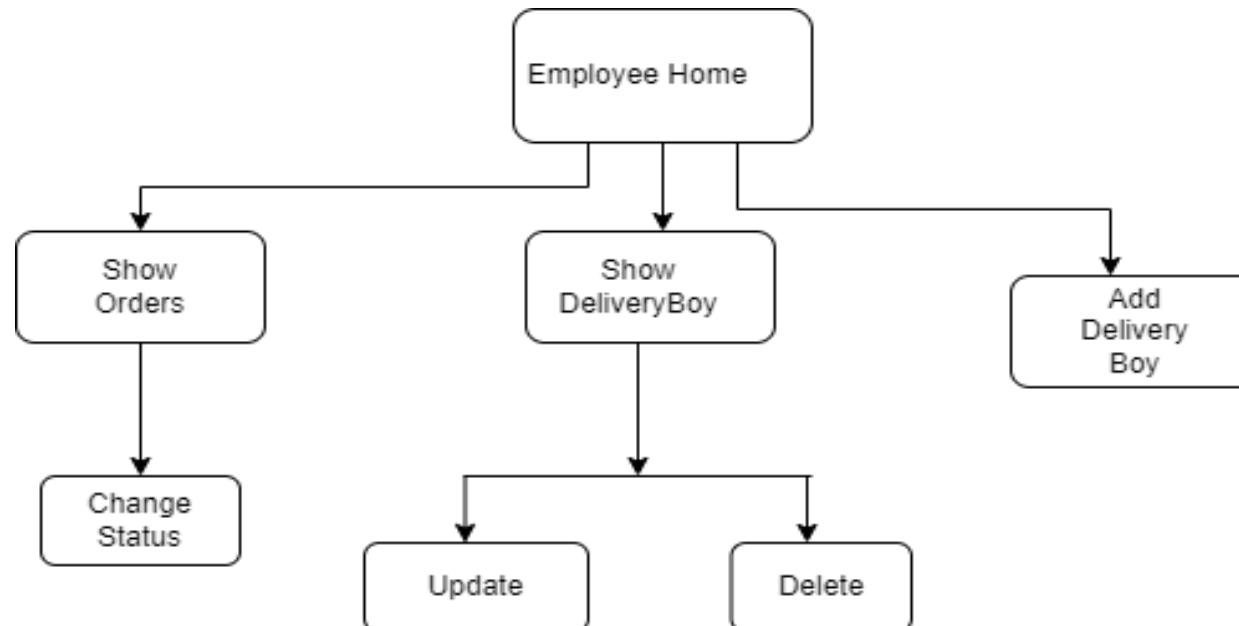


# USE CASE DIAGRAM FOR ADMIN

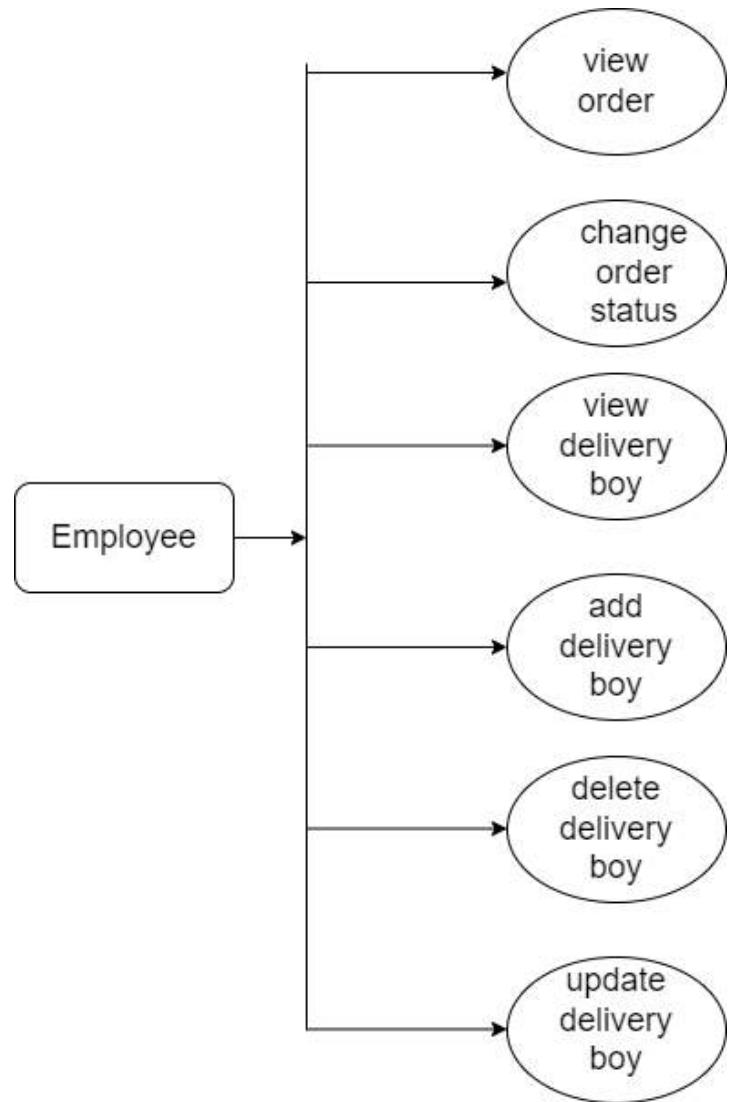


# EMPLOYEE

- Manages Delivery Boy: Allows to add or update and delete Delivery Boy profile. Also provides Id and password to the Delivery Boy.
- Update Delivery status: Allows to change the delivery status from Pending to Delivered after the order is delivered.
- Monitor the Orders : Keeps the track of all the orders.



# USE CASE DIAGRAM FOR EMPLOYEE

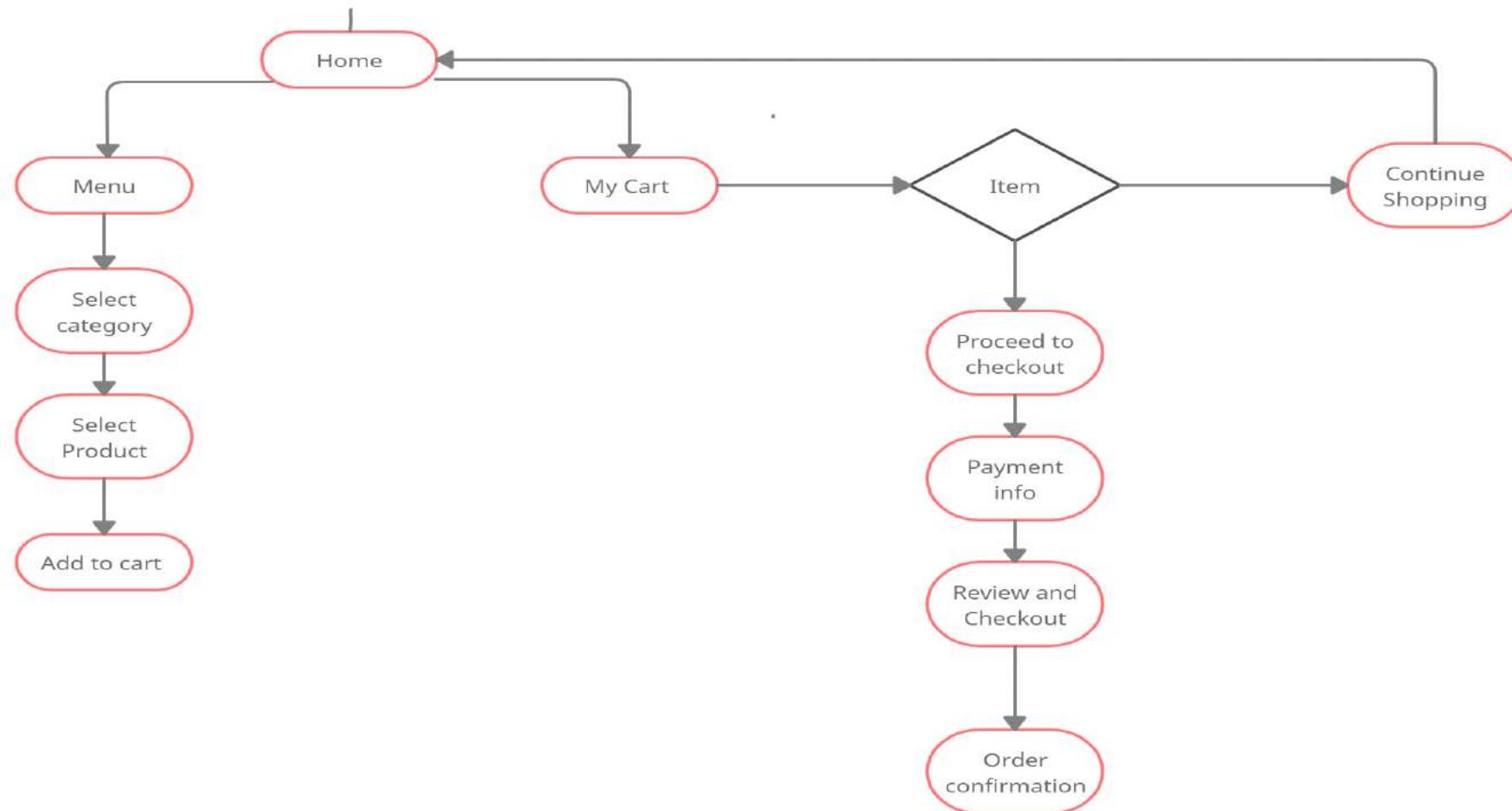


# USERS

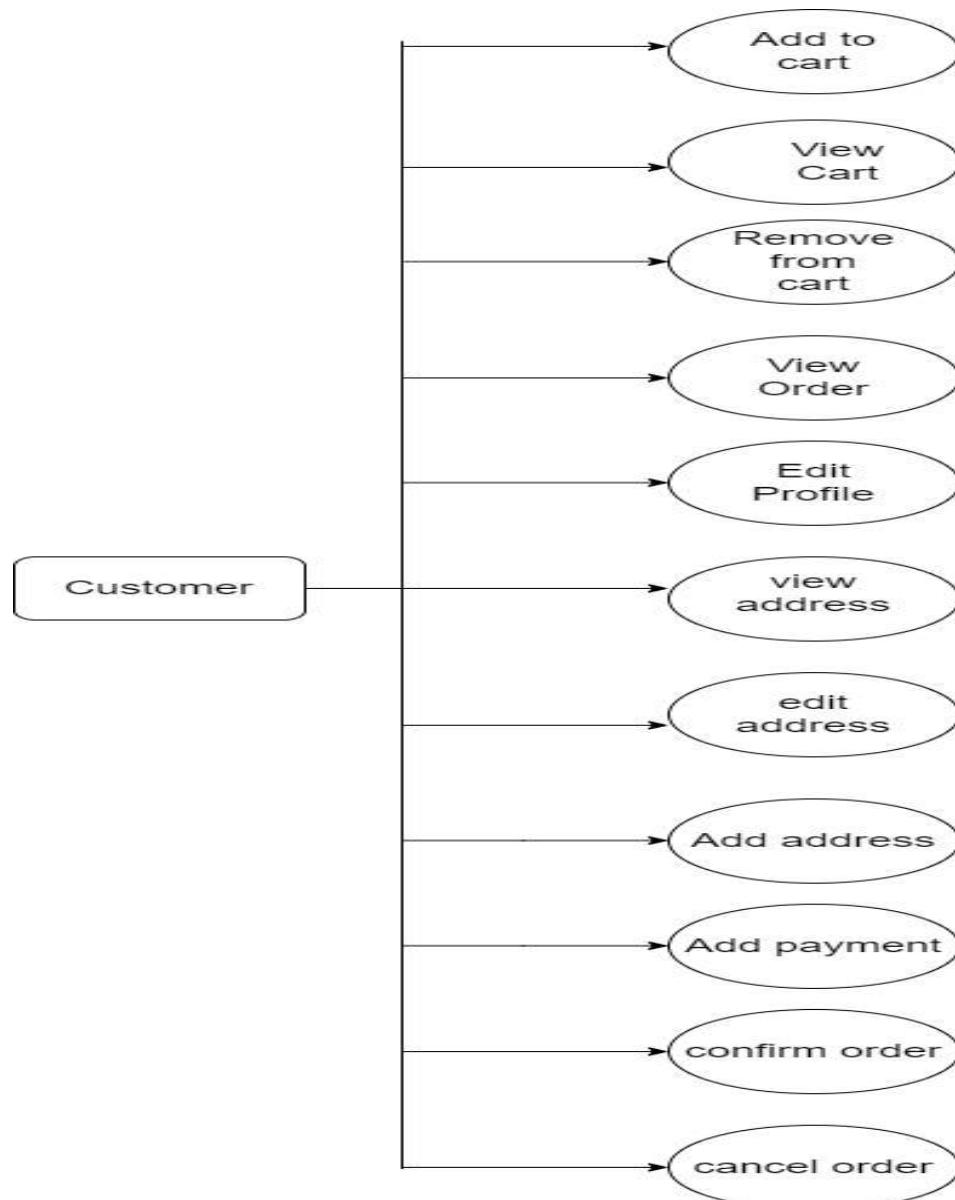
Customers of the Web Ordering system will interact with the application through an easy to use top navigation menu.

- “Home” menu option: allows the users to select an item to place an order.
- “Menu” option: Allows users to see all food items per category.
- “My Cart (x)”menu option:
  - Allows users to see details of the items placed in cart. Details include Category, Product Name, Product Description, Price. It also allows to Remove item from cart . User can then use a submit order button to proceed further.
  - Once, Submit Order button is selected, user will be prompted to add address method . If the address already exist user can select ‘use existing address’ button .

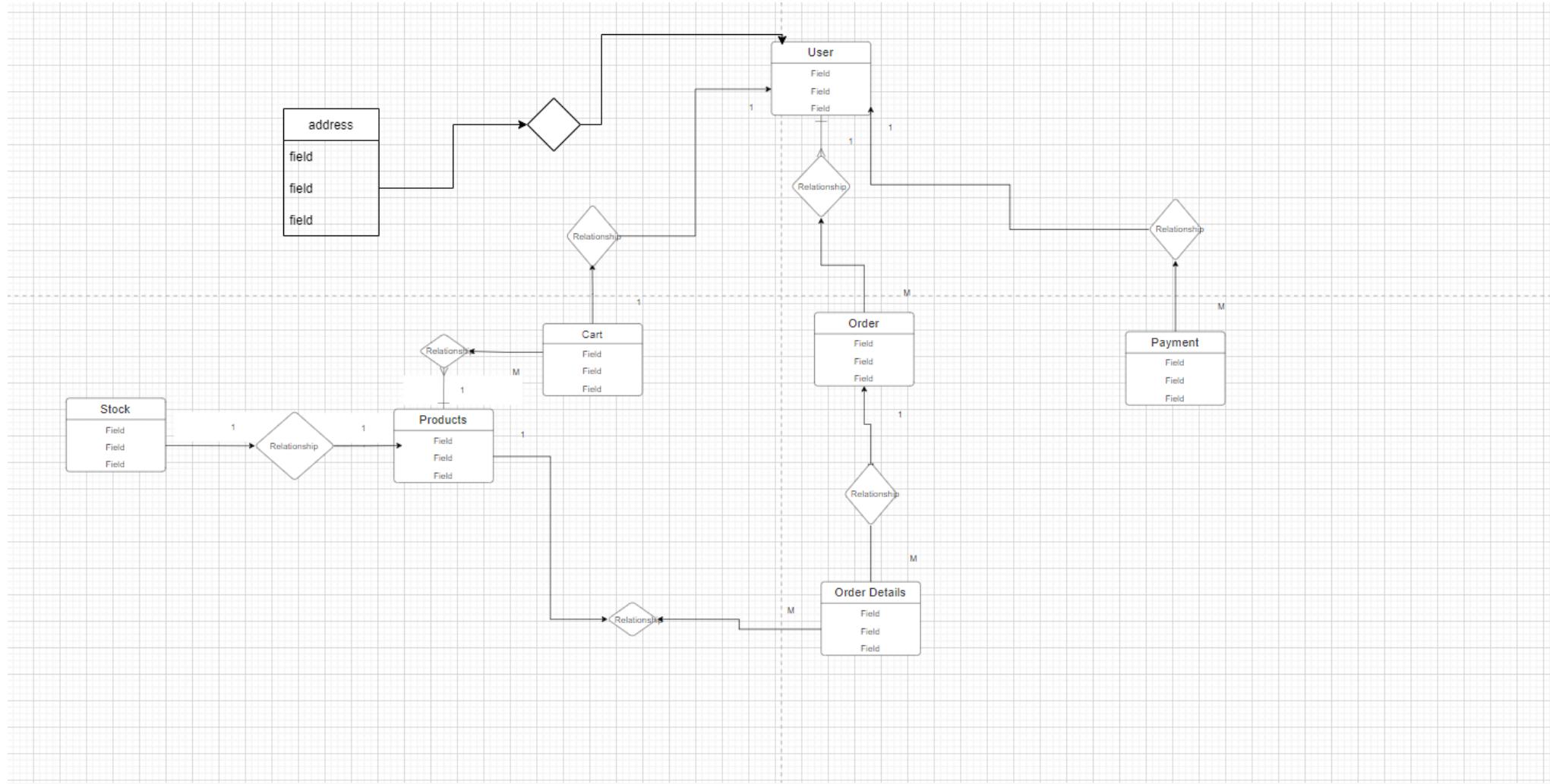
- Once, button is selected, user will be prompted for the payment method . Cash on delivery or Card payment.
- User will then be presented with a “My Order” page, which will display order details to review. User can then use a ‘Place Order’ button to place an order.
- Once order is placed, user will be presented with appropriate Order confirmation success/failure message.



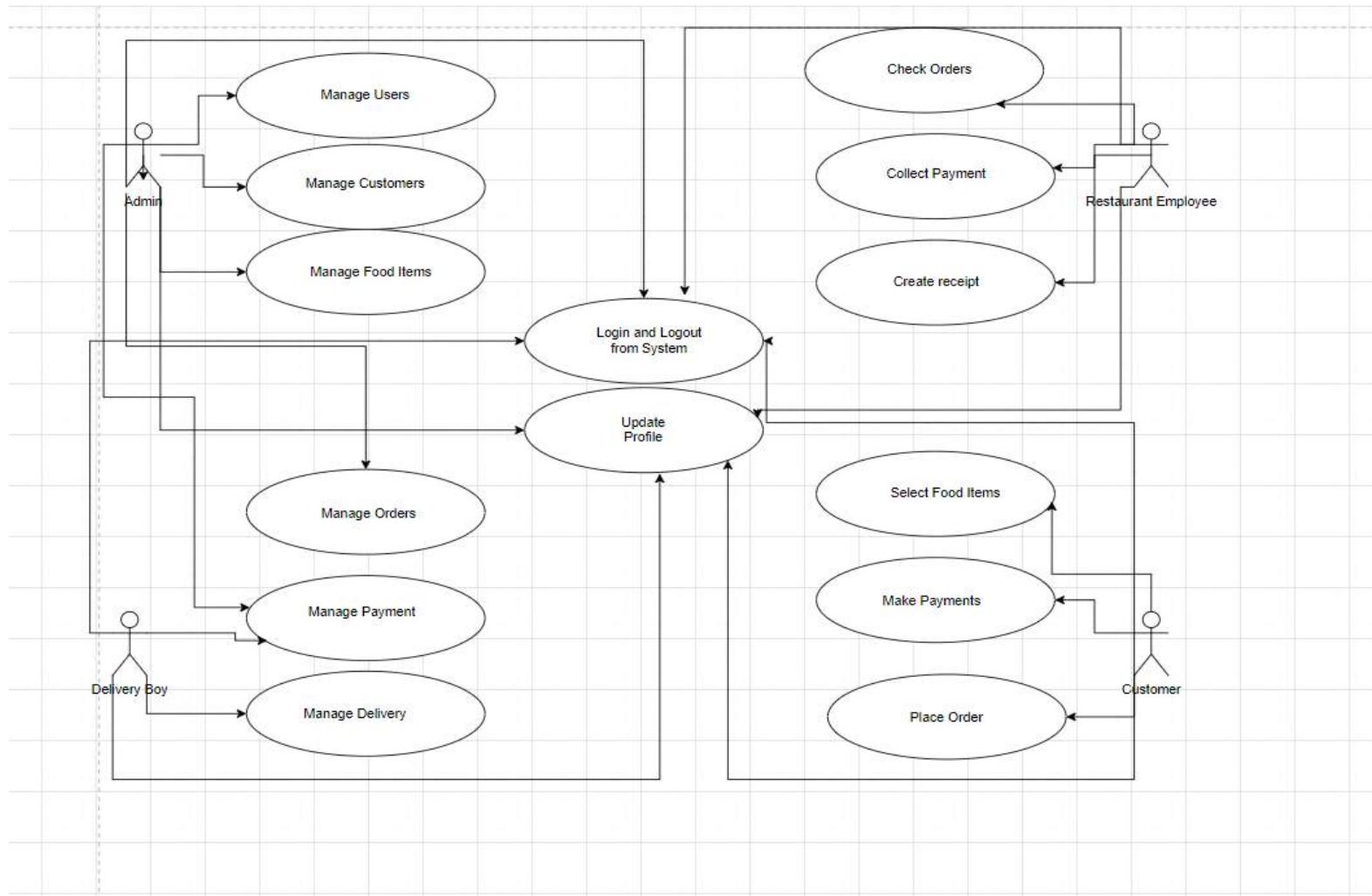
# USE CASE DIAGRAM FOR USERS



# ER-DIAGRAM



# USE CASE DIAGRAM



**Table 1: Addresses**

<u>Field</u>	<u>Type</u>	<u>Null</u>	<u>Key</u>	<u>Default</u>	<u>Extra</u>
<u>id</u>	int	NO	PRI	NULL	<b>Auto_increment</b>
<u>address_line_1</u>	varchar(45)	YES		NULL	
<u>address_line_2</u>	varchar(45)	YES		NULL	
<u>city</u>	varchar(30)	YES		NULL	
<u>country</u>	varchar(30)	YES		NULL	
<u>pincode</u>	varchar(10)	YES		NULL	
<u>state</u>	varchar(30)	YES		NULL	
<u>user_id</u>	int	NO	MUL	NULL	

**Table 2: Users**

<u>Field</u>	<u>Type</u>	<u>Null</u>	<u>Key</u>	<u>Default</u>	<u>Extra</u>
<u>id</u>	int	NO	PRI	NULL	<b>Auto_increment</b>
<u>email</u>	varchar(30)	YES	UNI	NULL	
<u>first_name</u>	varchar(30)	YES		NULL	
<u>last_name</u>	varchar(30)	YES		NULL	
<u>password</u>	varchar(200)	NO		NULL	
<u>phone</u>	varchar(10)	YES		NULL	
<u>role</u>	varchar(100)	YES		NULL	

**Table 3: Cart**

<u>Field</u>	<u>Type</u>	<u>Null</u>	<u>Key</u>	<u>Default</u>	<u>Extra</u>
<u>id</u>	int	NO	PRI	NULL	<b>Auto_increment</b>
<u>cart_amt</u>	double	YES		NULL	
<u>quantity</u>	int	NO		NULL	
<u>product_id</u>	int	NO	MUL	NULL	
<u>user_id</u>	int	NO	MUL	NULL	

**Table 4: Order\_details**

<u>Field</u>	<u>Type</u>	<u>Null</u>	<u>Key</u>	<u>Default</u>	<u>Extra</u>
<u>id</u>	int	NO	PRI	NULL	Auto_increment
<u>price</u>	double	YES		NULL	
<u>quantity</u>	int	YES		NULL	
<u>order_id</u>	int	YES	MUL	NULL	
<u>product_id</u>	int	YES	MUL	NULL	

**Table 5: Orders**

<u>Field</u>	<u>Type</u>	<u>Null</u>	<u>Key</u>	<u>Default</u>	<u>Extra</u>
<u>id</u>	int	NO	PRI	NULL	<b>Auto_increment</b>
<u>order_date</u>	datetime(6)	YES		NULL	
<u>order_status</u>	varchar(25)	YES		NULL	
<u>total_price</u>	double	YES		NULL	
<u>customer_id</u>	int	YES	MUL	NULL	

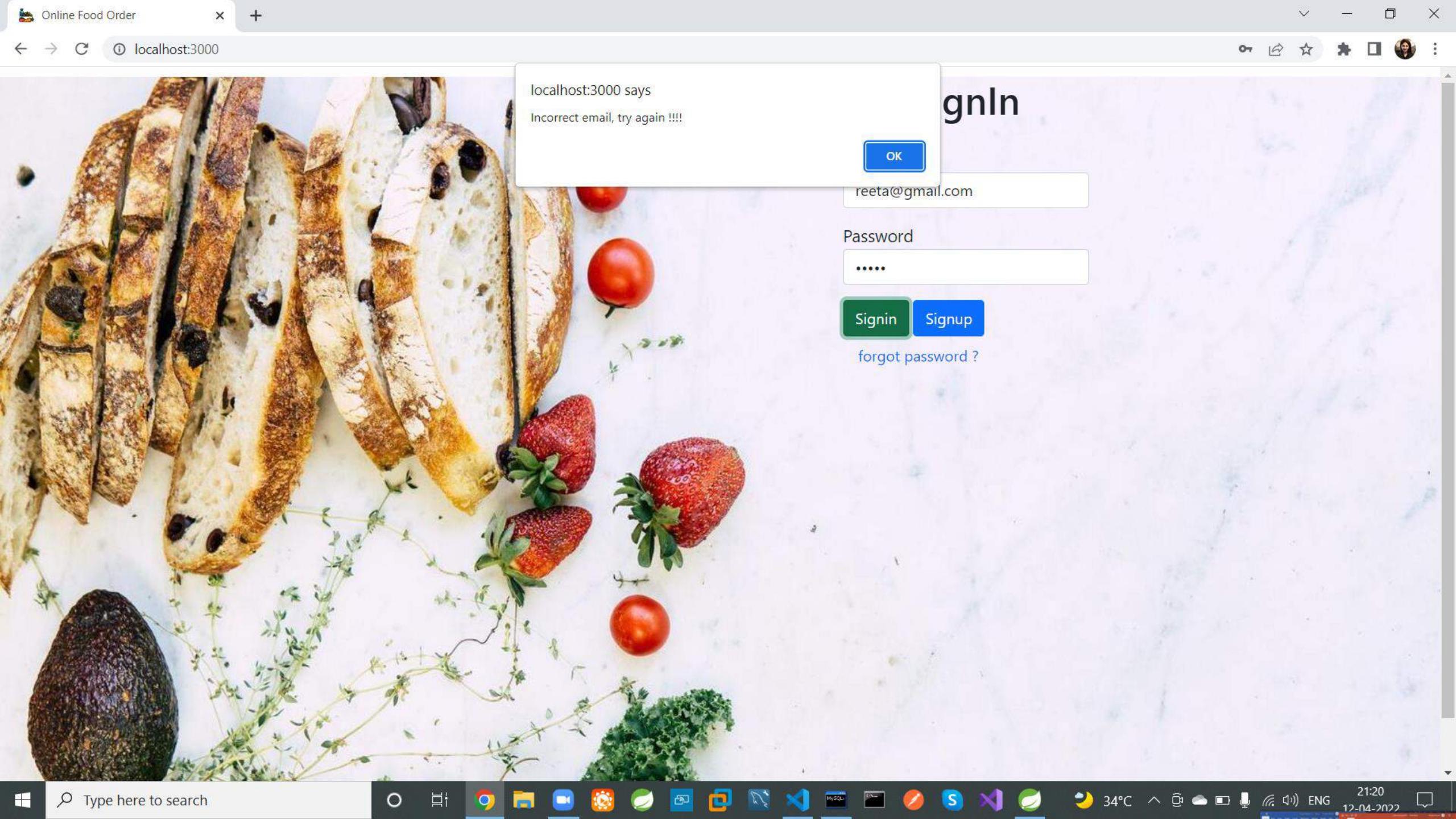
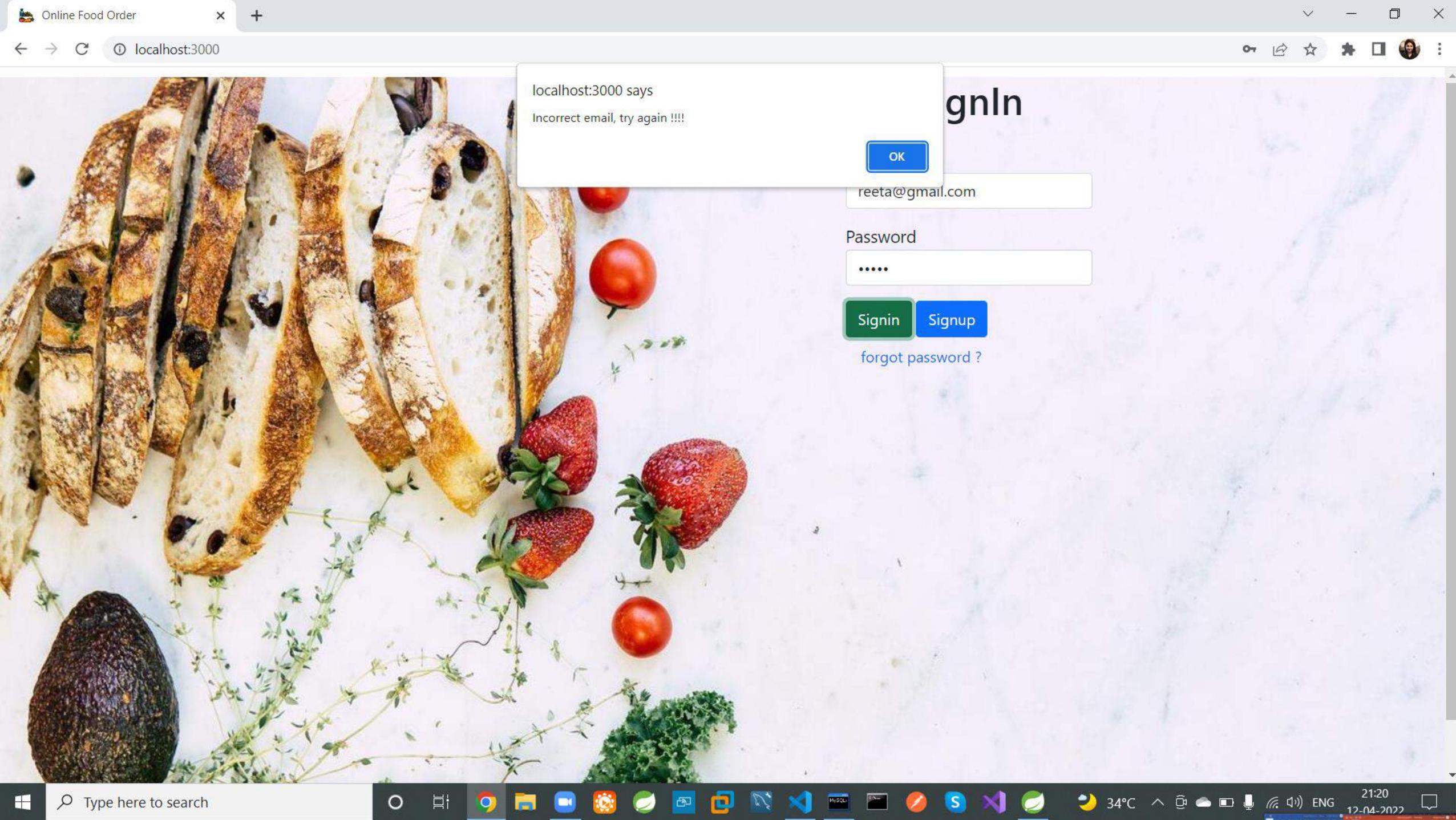
**Table 5: Payment**

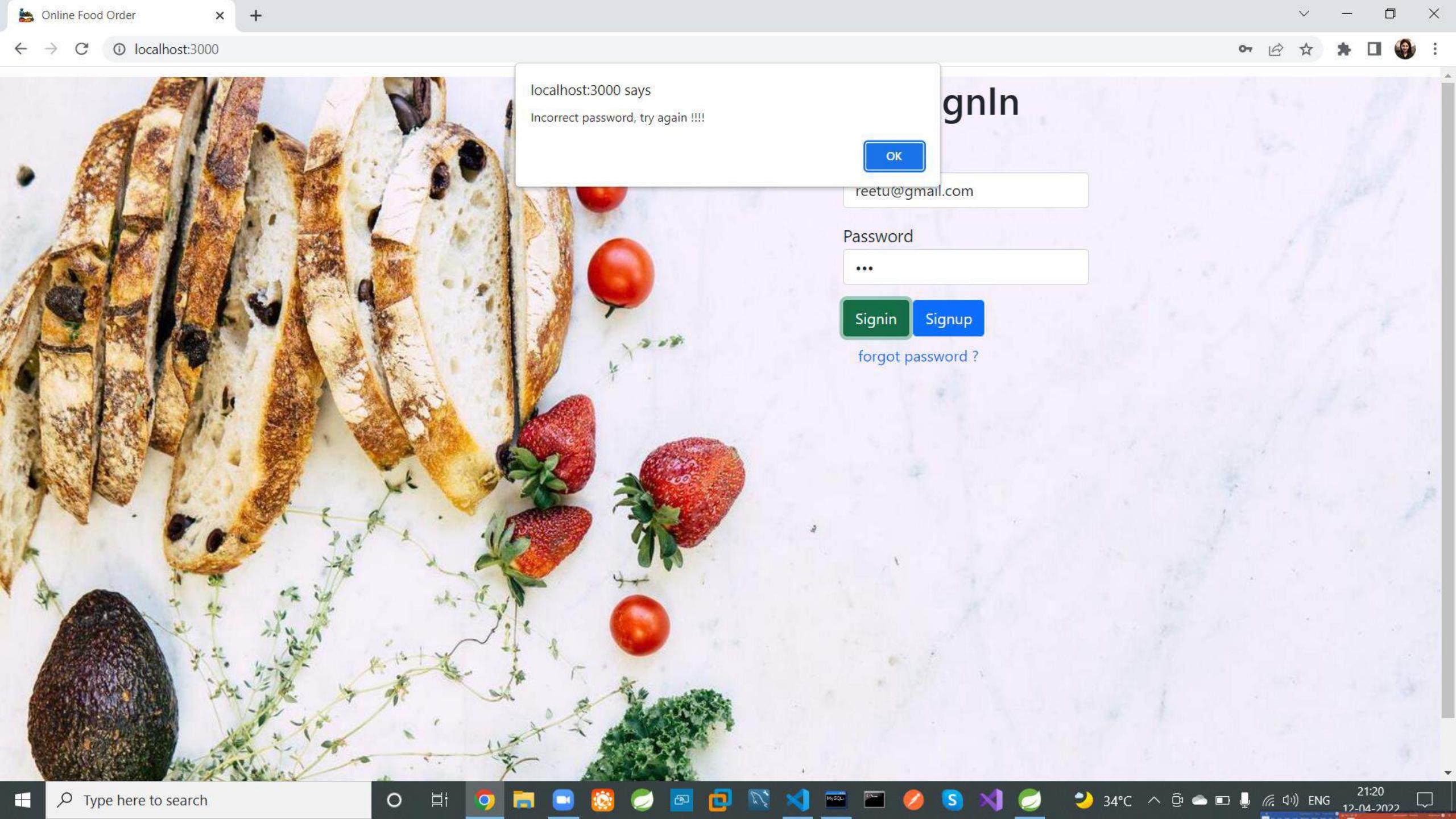
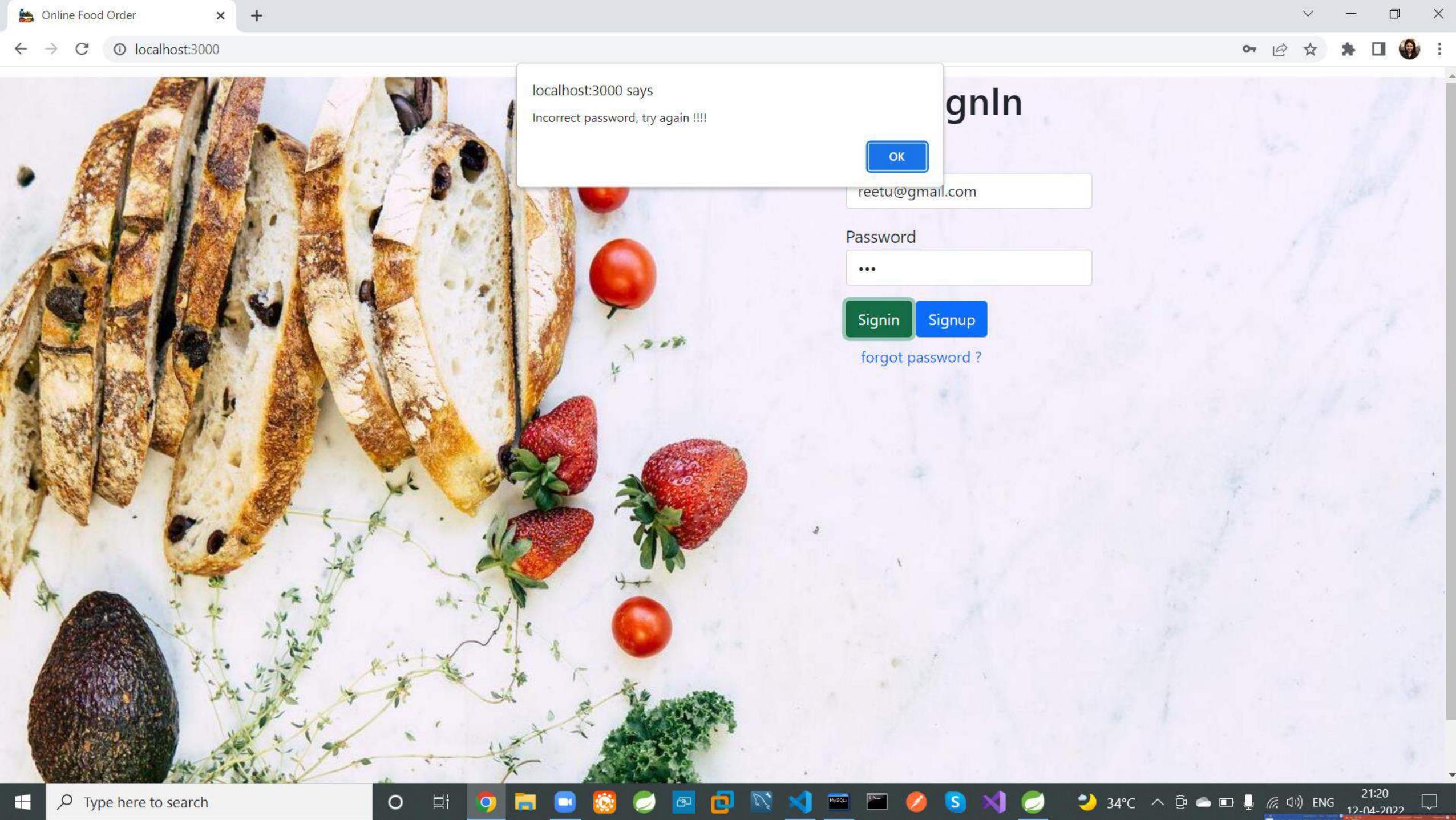
<u>Field</u>	<u>Type</u>	<u>Null</u>	<u>Key</u>	<u>Default</u>	<u>Extra</u>
<u>id</u>	int	NO	PRI	NULL	<b>Auto_increment</b>
<u>amount</u>	double	NO		NULL	
<u>payment type</u>	varchar(30)	YES		NULL	
<u>status</u>	varchar(30)	YES		NULL	
<u>user id</u>	int	YES	MUL	NULL	

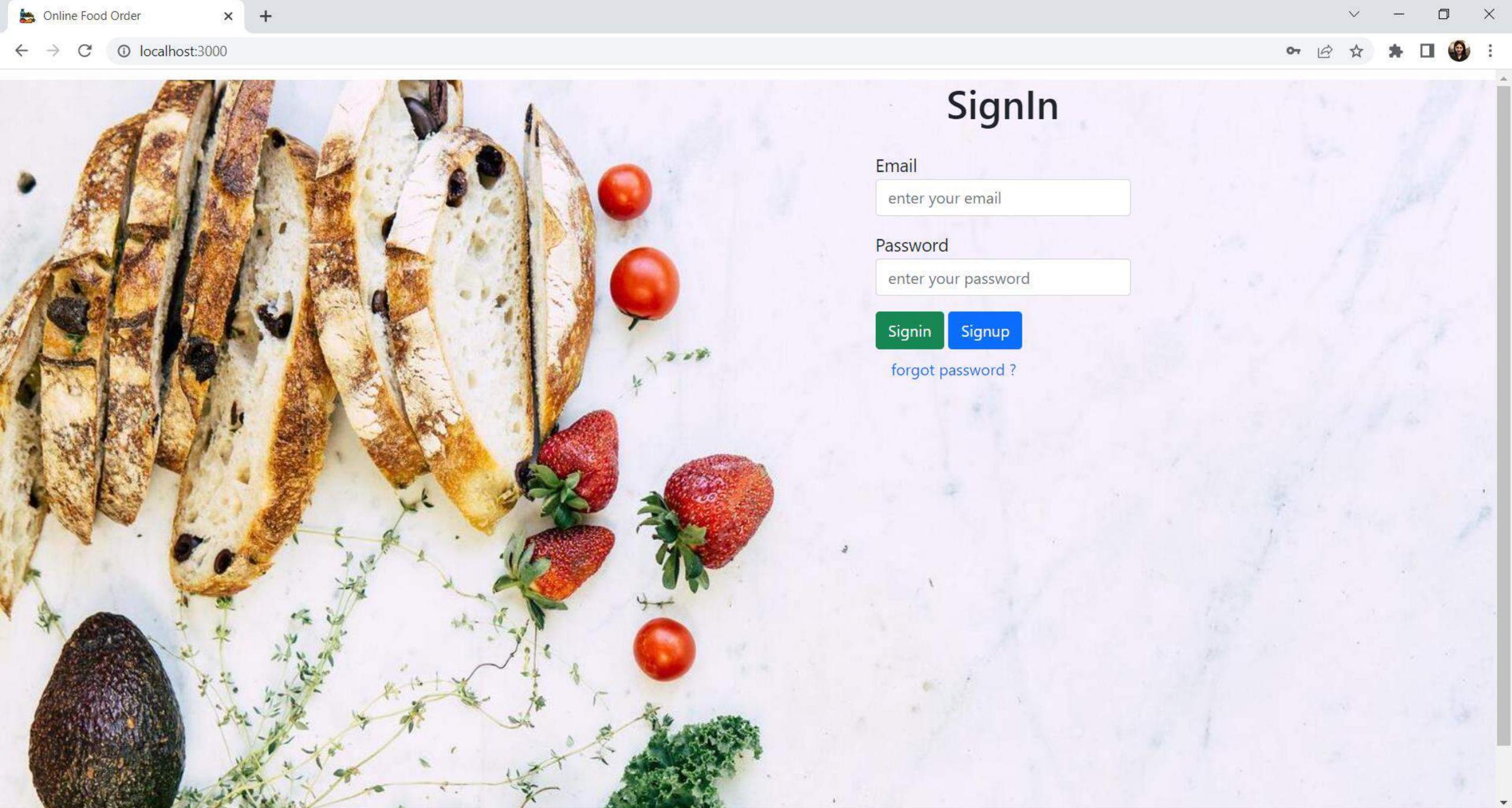
**Table 5: Products**

<b>Field</b>	<b>Type</b>	<b>Null</b>	<b>Key</b>	<b>Default</b>	<b>Extra</b>
<u><b>id</b></u>	int	NO	PRI	NULL	<b>Auto_increment</b>
<u><b>category_type</b></u>	varchar(30)	YES		NULL	
<u><b>description</b></u>	varchar(200)	NO		NULL	
<u><b>name</b></u>	varchar(30)	YES		NULL	
<u><b>price</b></u>	double	NO		NULL	
<u><b>status</b></u>	varchar(20)	YES		NULL	

Customer login







# SignIn

Email

enter your email

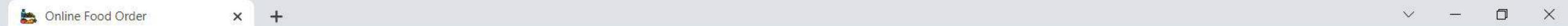
## Passwor

enter your password

[Signin](#) [Signu](#)

[forgot password](#)





Hello, Reetu

# Online Food Order

[Cart](#)[Orders](#)[Edit Profile](#)[Address](#)[Logout](#)

Customer Home BreakFast Thalis Starters MainCourse Deserts

Category	Type	Name	Description	Price	Status	Action
BREAKFAST		Dhokla	It reveals savory ,sweet and spicy flavors.	50	AVAILABLE	<a href="#">Add To Cart</a>



Online Food Order

localhost:3000/thalis

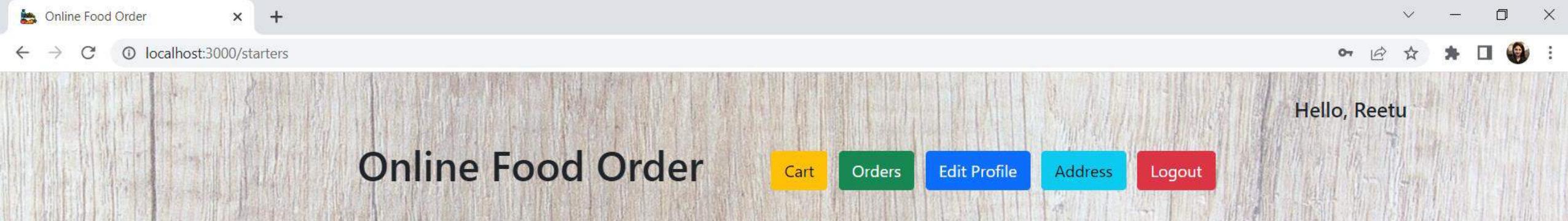
Hello, Reetu

# Online Food Order

Cart Orders Edit Profile Address Logout

Customer Home BreakFast Thalis Starters MainCourse Deserts

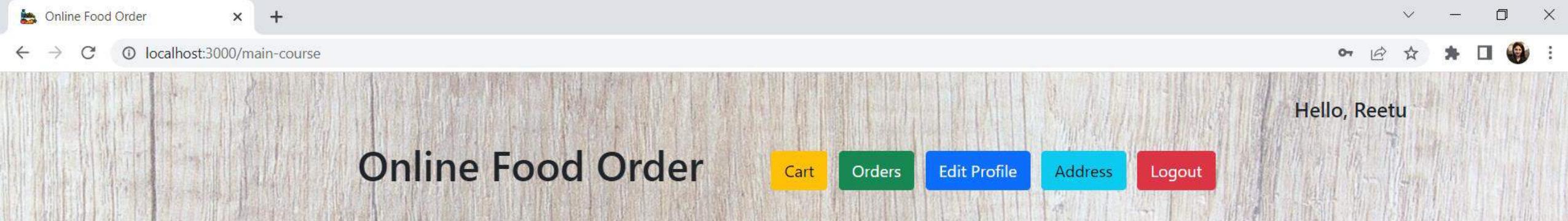
Category	Type	Name	Description	Price	Status
THALIS		North Indian Thali	Paneer sabji, dal fry, 5 rotis, salad, gulab-jabun , jeera rice	140	AVAILABLE



Customer Home BreakFast Thalis Starters MainCourse Deserts

CategoryType	Name	Description	Price	Status	
STARTERS	Paneer65	Paneer65 is a spicy appetizer ,made with paneer as main ingredient.	150	UNAVAILABLE	<button>Add To Cart</button>
STARTERS	Panner Tikka	Panner Tikka is made from chunks of paneer.	150	AVAILABLE	<button>Add To Cart</button>





Hello, Reetu

# Online Food Order

[Cart](#)[Orders](#)[Edit Profile](#)[Address](#)[Logout](#)

Customer Home BreakFast Thalis Starters MainCourse Deserts

Category	Type	Name	Description	Price	Status	Action
MAINCOURSE		Dal-Fry	Too Spicy Indian Food.	70	AVAILABLE	<a href="#">Add To Cart</a>
MAINCOURSE		Biryani	Aromatic mixture of rice and spices.	350	AVAILABLE	<a href="#">Add To Cart</a>





## Online Food Order

Can

Order

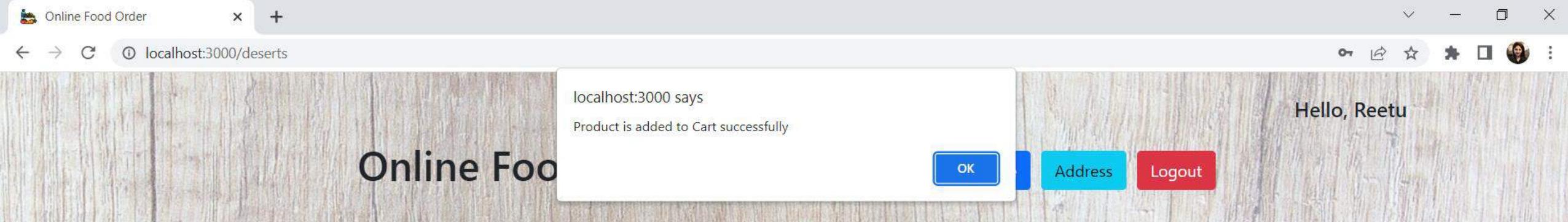
Edit Profile

### Address:

[Logout](#)

Customer Home BreakFast Thalis Starters MainCourse Desert

Category	Type	Name	Description	Price	Status	Action
DESERTS		Chocolate Brownie	Chocolate brownie with ice-cream	200	AVAILABLE	<button>Add To Cart</button>
DESERTS		Cheesecake	A sweet dessert consisting of cheese.	170	UNAVAILABLE	<button>Add To Cart</button>



Customer Home BreakFast Thalis Starters MainCourse Deserts

Category	Type	Name	Description	Price	Status	
DESERTS		Chocolate Brownie	Chocolate brownie with ice-cream	200	AVAILABLE	<button>Add To Cart</button>
DESERTS		Cheesecake	A sweet dessert consisting of cheese.	170	UNAVAILABLE	<button>Add To Cart</button>

Online Food Order

localhost:3000/deserts

Hello, Reetu

OK Address Logout

Customer Home BreakFast Thalis Starters MainCourse Deserts

Category	Type	Name	Description	Price	Status	Action
DESERTS		Chocolate Brownie	Chocolate brownie with ice-cream	200	AVAILABLE	Add To Cart
DESERTS		Cheesecake	A sweet dessert consisting of cheese.	170	UNAVAILABLE	Add To Cart

Type here to search

21:25 34°C ENG 12-04-2022

localhost:3000 says  
Product is not available at this moment!!

# Online Foo

Customer Home BreakFast Thalis Starters MainCourse Deserts

Category	Type	Name	Description	Price	Status	Action
DESERTS		Chocolate Brownie	Chocolate brownie with ice-cream	200	AVAILABLE	Add To Cart
DESERTS		Cheesecake	A sweet dessert consisting of cheese.	170	UNAVAILABLE	Add To Cart

Type here to search

Online Food Order

localhost:3000/cart

# My Cart



Category : DESERTS  
Name : Chocolate Brownie  
Price : 200

Remove

Category : DESERTS  
Name : Chocolate Brownie  
Price : 200

Remove

Category : DESERTS  
Name : Chocolate Brownie  
Price : 200

Remove

Submit Order

Back

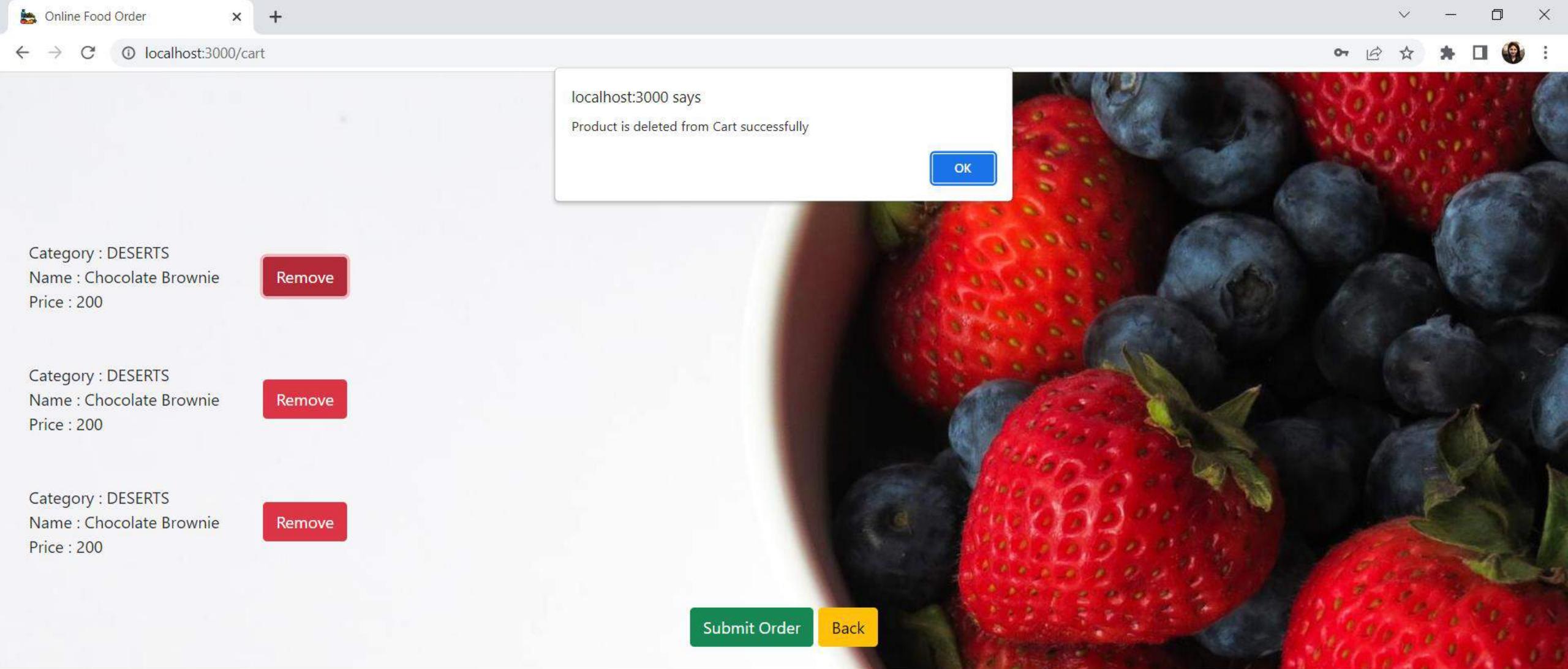
No new notifications (Off)

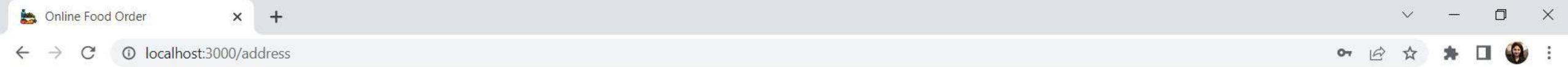


Type here to search



34°C ENG 12-04-2022 21:25





# My Address

Address Line1

Address Line2

City

Pincode

State

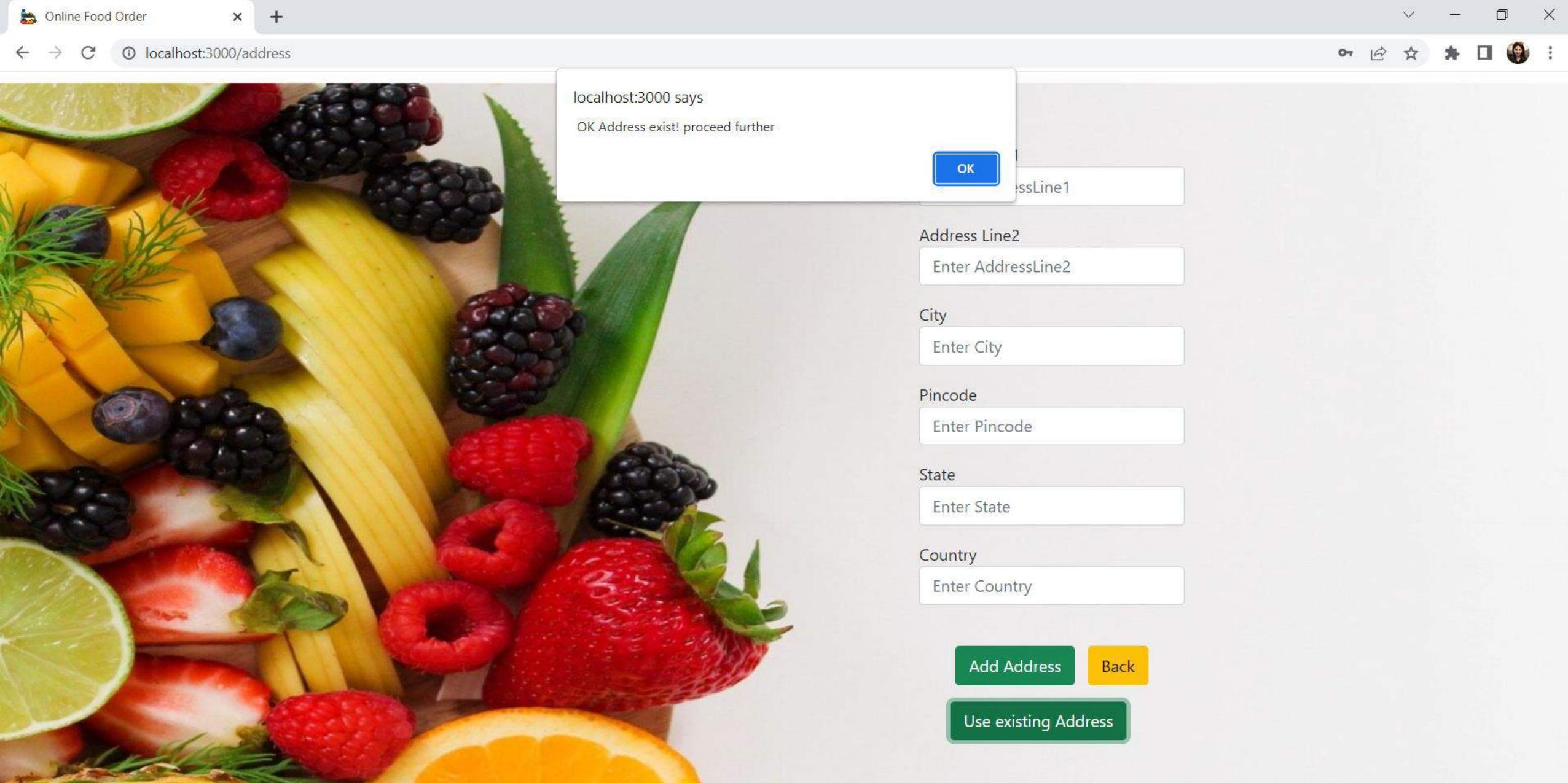
Country

[Add Address](#)[Back](#)[Use existing Address](#)

Type here to search



34°C ENG 12-04-2022 21:26



Type here to search



21:26  
12-04-2022

# Payment

categoryType	name	description	price
DESERTS	Chocolate Brownie	Chocolate brownie with ice-cream	200
DESERTS	Chocolate Brownie	Chocolate brownie with ice-cream	200

Total price = 400

Payment Type : COD

Add cancel Back



Online Food Order

localhost:3000/payment

localhost:3000 says  
Payment successfully added !!!!

OK

categoryType	name	description	price
DESERTS	Chocolate Brownie	Chocolate brownie with ice-cream	200
DESERTS	Chocolate Brownie	Chocolate brownie with ice-cream	200

Total price = 400

Payment Type : COD

Add cancel Back



Type here to search

21:26 34°C ENG 12-04-2022

Online Food Order

localhost:3000/order

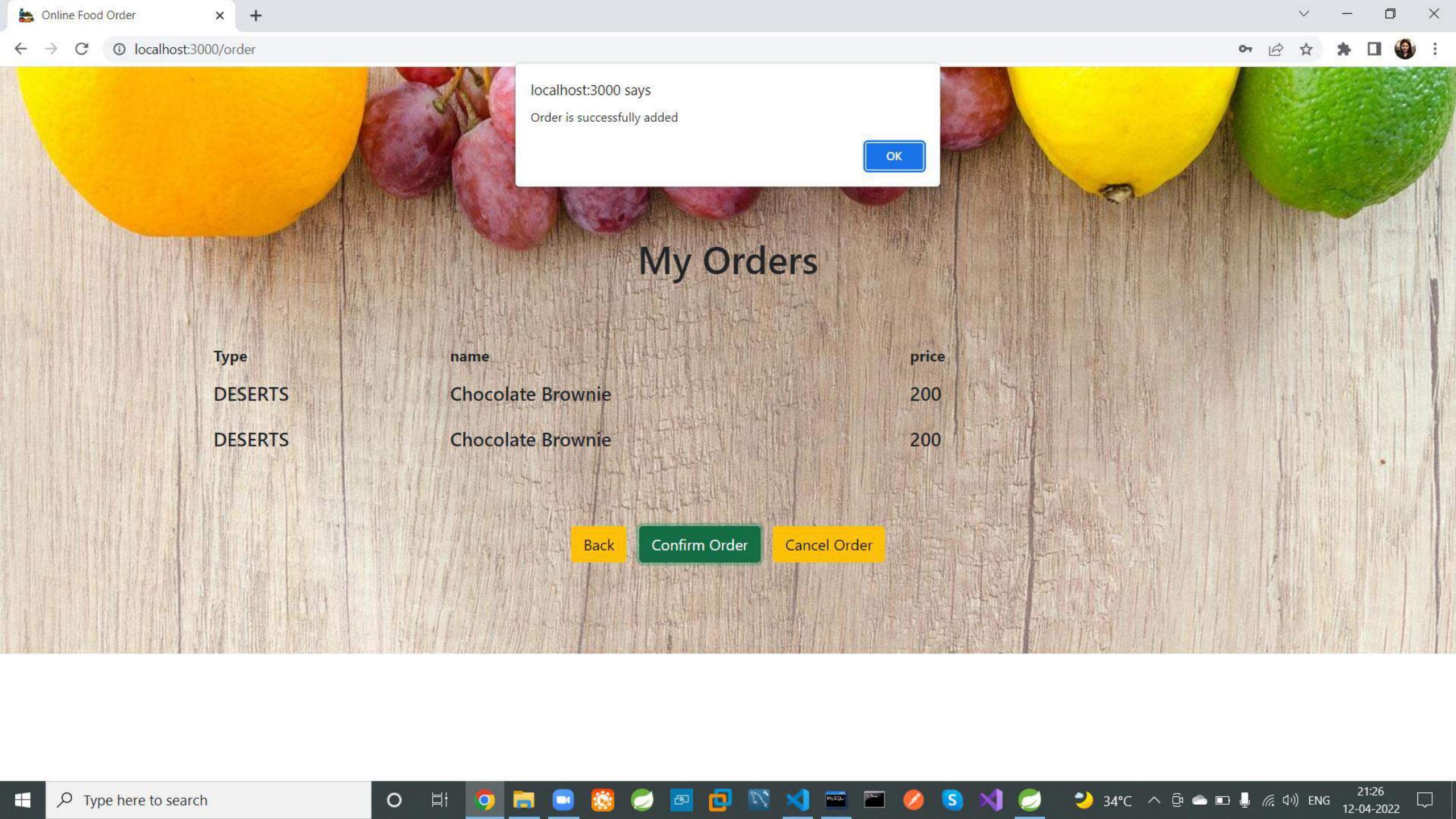
localhost:3000 says  
Order is successfully added

OK

# My Orders

Type	name	price
DESERTS	Chocolate Brownie	200
DESERTS	Chocolate Brownie	200

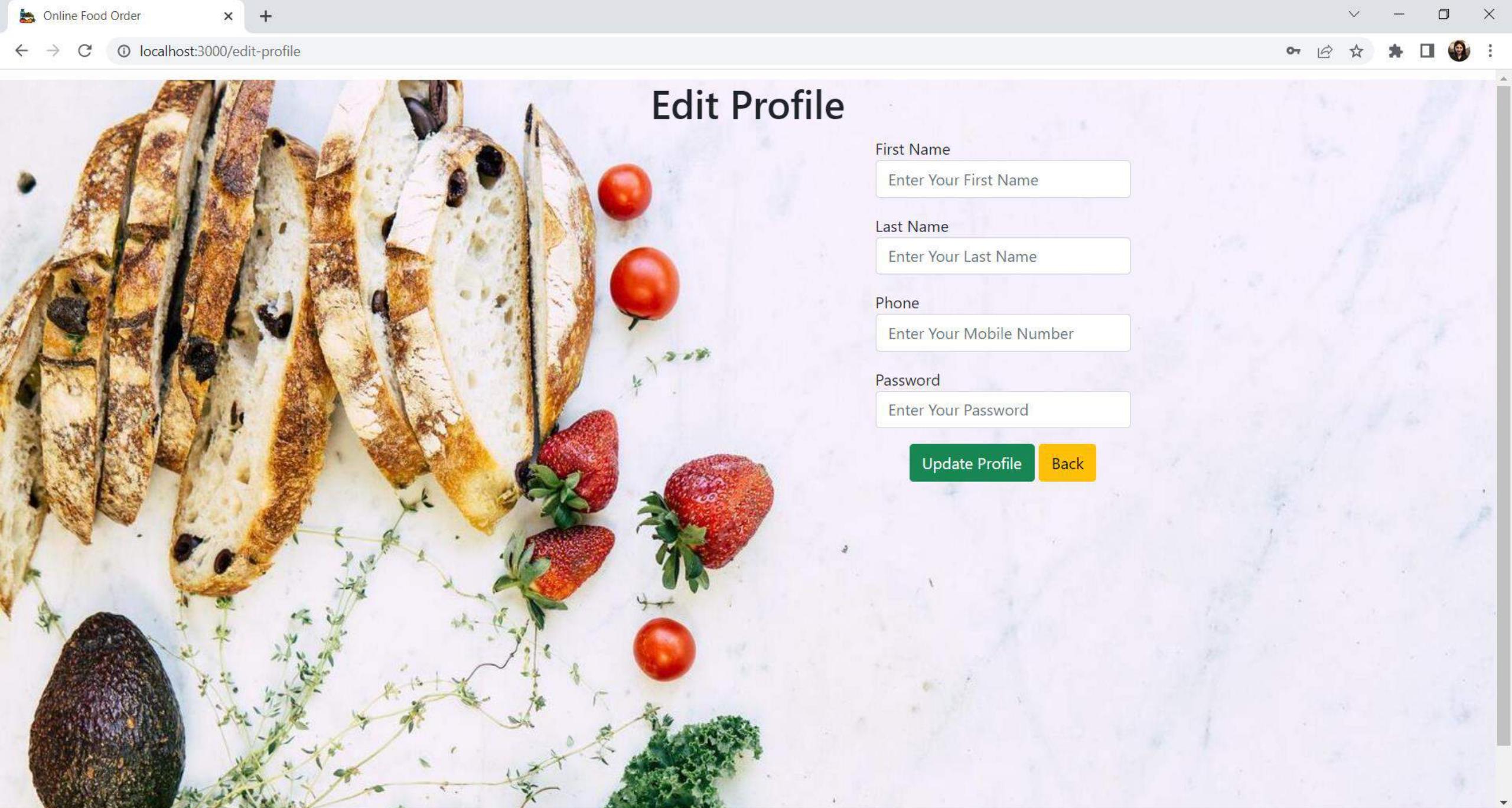
Back Confirm Order Cancel Order



Type here to search



34°C ENG 12-04-2022 21:26



## Edit Profile

First Name

Enter Your First Name

Last Name

Enter Your Last Name

Phone

Enter Your Mobile Number

## Passwo

Enter Your Password

Update Profi

Back



# Restaurant Employee Login

Online Food Order

localhost:3000/all-orders

# Online Food Order

Hello, Rohan

Employee Home All Orders Show DeliveryBoy Order History Logout

OrderId	totalPrice	issuedOn	Order Status	Change Status
4	30	2022-03-31T11:37:14.98013	DELIVERED	<button>Change</button>
5	150	2022-04-01T15:07:31.801387	DELIVERED	<button>Change</button>
6	400	2022-04-01T19:06:54.932312	DELIVERED	<button>Change</button>
7	310	2022-04-01T20:54:51.349506	DELIVERED	<button>Change</button>
8	370	2022-04-01T20:59:36.957906	DELIVERED	<button>Change</button>
14	70	2022-04-08T15:20:51.115783	PENDING	<button>Change</button>
15	200	2022-04-08T15:24:49.371477	PENDING	<button>Change</button>
16	340	2022-04-08T15:30:13.140181	PENDING	<button>Change</button>
17	270	2022-04-08T19:54:09.277338	PENDING	<button>Change</button>
18	370	2022-04-10T09:29:54.484989	PENDING	<button>Change</button>

Student Placement....pdf

Show all

Type here to search

O Chrome Folder Video Terminal MySQL XPS S VS Code 21:42 34°C ENC Speaker: 100% 022

# Online Food Order

Hello, Rohan

[Employee Home](#) [All Orders](#) [Show DeliveryBoy](#) [Order History](#)

[Logout](#)

Email	First_Name	Last_Name	Phone	Role		
Ritesh@gmail.com	Ritesh	Joshi	7776700009	DELIVERY_BOY	<a href="#">Delete</a>	<a href="#">Update</a>
dheeraj@gmail.com	Dheeraj	Dhonge	7888694359	DELIVERY_BOY	<a href="#">Delete</a>	<a href="#">Update</a>

[Add DeliveryBoy](#)

 Student Placement....pdf ^

[Show all](#)



Type here to search



21:42 34°C Speaker: 100% 4-2022



# Online Food Order

Hello, Rohan

[Employee Home](#) [All Orders](#) [Show DeliveryBoy](#) [Order History](#)

[Logout](#)

<b>id</b>	<b>totalPrice</b>	<b>issuedOn</b>	<b>orderStatus</b>
4	30	2022-03-31T11:37:14.98013	DELIVERED
5	150	2022-04-01T15:07:31.801387	DELIVERED
6	400	2022-04-01T19:06:54.932312	DELIVERED
7	310	2022-04-01T20:54:51.349506	DELIVERED
8	370	2022-04-01T20:59:36.957906	DELIVERED
14	70	2022-04-08T15:20:51.115783	PENDING
15	200	2022-04-08T15:24:49.371477	PENDING
16	340	2022-04-08T15:30:13.140181	PENDING
17	270	2022-04-08T19:54:09.277338	PENDING
18	370	2022-04-10T09:29:54.484989	PENDING
19	710	2022-04-10T11:22:08.731893	PENDING
20	400	2022-04-12T21:26:43.546101	PENDING

Student Placement....pdf ^

Show all



Type here to search



# Online Food Order

Hello, Rohan

Employee Home All Orders Show DeliveryBoy Order History

Logout

email

First Name

Last Name

Password

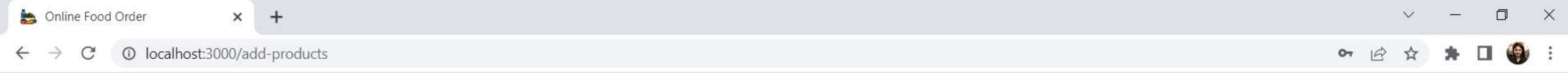
Phone

Role : Select Role ▾

Add Back

# Admin Login

Online Food Order	x	+				
←	→	⟳	localhost:3000/show-products	⟳	star	profile
Online Food Order						
Product Details						User Information
Name	Category	Type	Description	Price	Status	Action
Paneer65	STARTERS		Paneer65 is a spicy appetizer ,made with paneer as main ingredient.	150	UNAVAILABLE	<button>Change status</button> <button>Delete</button> <button>Update</button>
Dal-Fry	MAINCOURSE		Too Spicy Indian Food.	70	AVAILABLE	<button>Change status</button> <button>Delete</button> <button>Update</button>
Chocolate Brownie	DESERTS		Chocolate brownie with ice-cream	200	AVAILABLE	<button>Change status</button> <button>Delete</button> <button>Update</button>
North Indian Thali	THALIS		Paneer sabji, dal fry, 5 rotis, salad, gulab-jabun , jeera rice	140	AVAILABLE	<button>Change status</button> <button>Delete</button> <button>Update</button>
Cheesecake	DESERTS		A sweet dessert consisting of cheese.	170	UNAVAILABLE	<button>Change status</button> <button>Delete</button> <button>Update</button>
Panner Tikka	STARTERS		Panner Tikka is made from chunks of paneer.	150	AVAILABLE	<button>Change status</button> <button>Delete</button> <button>Update</button>
Biryani	MAINCOURSE		Aromatic mixture of rice and spices.	350	AVAILABLE	<button>Change status</button> <button>Delete</button> <button>Update</button>
Dhokla	BREAKFAST		It reveals savory ,sweet and spicy flavors.	50	AVAILABLE	<button>Change status</button> <button>Delete</button> <button>Update</button>
<a href="#">Add Products</a>						



# Online Food Order

Hello, Krutika

[Admin Home](#) [Show Products](#) [Show Employees](#) [Show Customers](#) [Show Orders](#) [Add EmployeeOrDeliveryBoy](#)

[Logout](#)

Name

Description

Price

CategoryType : THALIS

Status : AVAILABLE

Add

Back



Type here to search



# Online Food Order

Hello, Krutika

[Admin Home](#) [Show Products](#) [Show Employees](#) [Show Customers](#) [Show Orders](#) [Add EmployeeOrDeliveryBoy](#)

[Logout](#)

Email	First_Name	Last_Name	Phone	Role		
rohan@gmail.com	Rohan	Vyas	9067284509	EMPLOYEE	<button>Delete</button>	<button>Update</button>
arjun@gmail.com	Arjun	Singh	9867483910	EMPLOYEE	<button>Delete</button>	<button>Update</button>

# Online Food Order

Hello, Krutika

[Admin Home](#) [Show Products](#) [Show Employees](#) [Show Customers](#) [Show Orders](#) [Add EmployeeOrDeliveryBoy](#)

[Logout](#)

Email	First_Name	Last_Name	Phone	Role	
radhika@gmail.com	Radhika	Shende	9874564738	CUSTOMER	<a href="#">Delete</a>
reetu@gmail.com	Reetu	Saxena	8876689045	CUSTOMER	<a href="#">Delete</a>
zoya@gmail.com	Zoya	Rahez	5678994444	CUSTOMER	<a href="#">Delete</a>
shreya@joshi	Shreya	Joshi	9867092378	CUSTOMER	<a href="#">Delete</a>
pavan@gmail.com	Pavan	Khare	9879456712	CUSTOMER	<a href="#">Delete</a>
nandini@gmail.com	Nandini	Pathak	98673456	CUSTOMER	<a href="#">Delete</a>

# Online Food Order

Hello, Krutika

[Admin Home](#) [Show Products](#) [Show Employees](#) [Show Customers](#) [Show Orders](#) [Add EmployeeOrDeliveryBoy](#)

[Logout](#)

<b>id</b>	<b>totalPrice</b>	<b>issuedOn</b>	<b>orderStatus</b>
4	30	2022-03-31T11:37:14.98013	DELIVERED
5	150	2022-04-01T15:07:31.801387	DELIVERED
6	400	2022-04-01T19:06:54.932312	DELIVERED
7	310	2022-04-01T20:54:51.349506	DELIVERED
8	370	2022-04-01T20:59:36.957906	DELIVERED
14	70	2022-04-08T15:20:51.115783	DELIVERED
15	200	2022-04-08T15:24:49.371477	DELIVERED
16	340	2022-04-08T15:30:13.140181	DELIVERED
17	270	2022-04-08T19:54:09.277338	DELIVERED
18	370	2022-04-10T09:29:54.484989	PENDING
19	710	2022-04-10T11:22:08.731893	DELIVERED
20	400	2022-04-12T21:26:43.546101	PENDING



$\times$



## Online Food Order

Hello, Krutika

[Admin Home](#) [Show Products](#) [Show Employees](#) [Show Customers](#) [Show Orders](#) [Add EmployeeOrDeliveryBoy](#)

[Logout](#)

email

First Name

Last Name

## Password

## Phone

Role : Select Role >

### Select Role

**EMPLOYER**

DELIVERY BOY

Ac

Back

Online Food Order

localhost:3000/show-products

Hello, Krutika

localhost:3000 says  
Status changed!

OK

Admin Home Show Products Show Employees Show Customers Show Orders Add Employee Add Category Add Product Logout

Name	Category	Type	Description	Price	Status			
Paneer65	STARTERS		Paneer65 is a spicy appetizer ,made with paneer as main ingredient.	150	UNAVAILABLE	<button>Change status</button>	<button>Delete</button>	<button>Update</button>
Dal-Fry	MAINCOURSE		Too Spicy Indian Food.	70	AVAILABLE	<button>Change status</button>	<button>Delete</button>	<button>Update</button>
Chocolate Brownie	DESERTS		Chocolate brownie with ice-cream	200	AVAILABLE	<button>Change status</button>	<button>Delete</button>	<button>Update</button>
North Indian Thali	THALIS		Paneer sabji, dal fry, 5 rotis, salad, gulab-jabun , jeera rice	140	AVAILABLE	<button>Change status</button>	<button>Delete</button>	<button>Update</button>
Cheesecake	DESERTS		A sweet dessert consisting of cheese.	170	UNAVAILABLE	<button>Change status</button>	<button>Delete</button>	<button>Update</button>
Panner Tikka	STARTERS		Panner Tikka is made from chunks of paneer.	150	AVAILABLE	<button>Change status</button>	<button>Delete</button>	<button>Update</button>
Biryani	MAINCOURSE		Aromatic mixture of rice and spices.	350	AVAILABLE	<button>Change status</button>	<button>Delete</button>	<button>Update</button>
Dhokla	BREAKFAST		It reveals savory ,sweet and spicy flavors.	50	AVAILABLE	<button>Change status</button>	<button>Delete</button>	<button>Update</button>

Add Products

# Delivery Boy Login

Online Food Order				
Hello Dheeraj				
DeliveryBoy Home All Orders				Logout
OrderId	totalPrice	issuedOn	Order Status	Change Status
4	30	2022-03-31T11:37:14.98013	DELIVERED	<button>Change</button>
5	150	2022-04-01T15:07:31.801387	DELIVERED	<button>Change</button>
6	400	2022-04-01T19:06:54.932312	DELIVERED	<button>Change</button>
7	310	2022-04-01T20:54:51.349506	DELIVERED	<button>Change</button>
8	370	2022-04-01T20:59:36.957906	DELIVERED	<button>Change</button>
14	70	2022-04-08T15:20:51.115783	DELIVERED	<button>Change</button>
15	200	2022-04-08T15:24:49.371477	DELIVERED	<button>Change</button>
16	340	2022-04-08T15:30:13.140181	DELIVERED	<button>Change</button>
17	270	2022-04-08T19:54:09.277338	DELIVERED	<button>Change</button>
18	370	2022-04-10T09:29:54.484989	PENDING	<button>Change</button>

# Thank You