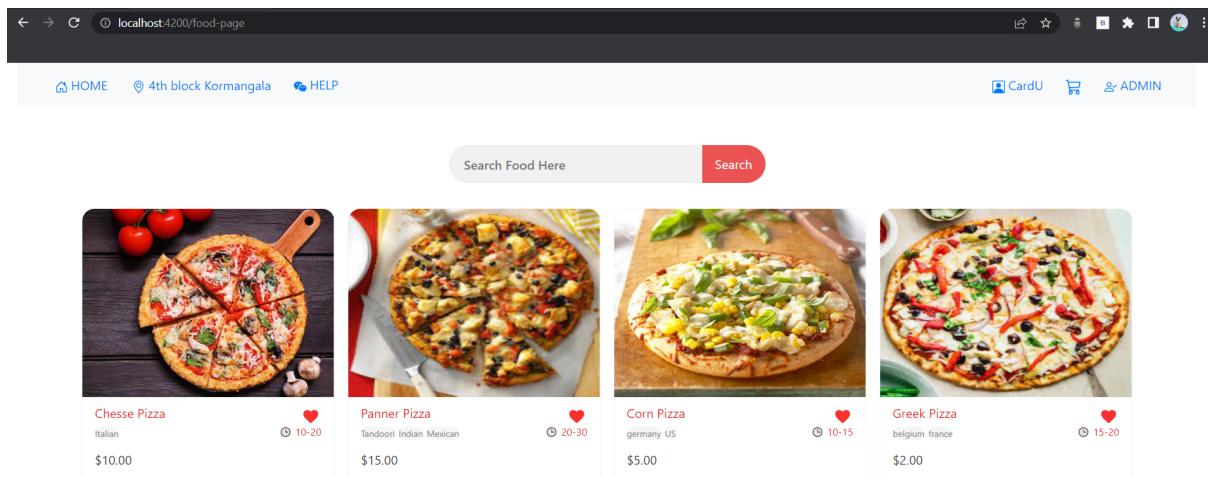


# FOODBOX



## DESCRIPTION

To Create a dynamic and responsive online food delivery web application for ordering food items of different cuisines from a restaurant.

## Background of the problem statement

Foodbox is a restaurant chain that delivers food items of different cuisines at affordable prices. It was established in 2014 in Bengaluru, India. It had been serving fine all these years, however, the business analysts noticed a decline in sales since 2016. They found out that the online ordering of food items with companies, such as Swiggy and Foodpanda were gaining more profit by eliminating middlemen from the equation. As a result, the team decided to hire a Full Stack developer to develop an online food delivery web application with a rich and user-friendly interface.

You are hired as the Full Stack Java developer and are asked to develop the web application. The management team has provided you with the requirements and their business model so that you can easily arrange different components of the application.

### User Portal:

It deals with the user activities. The end-user is be able to:

- Sign-in to the application to maintain a record of activities.

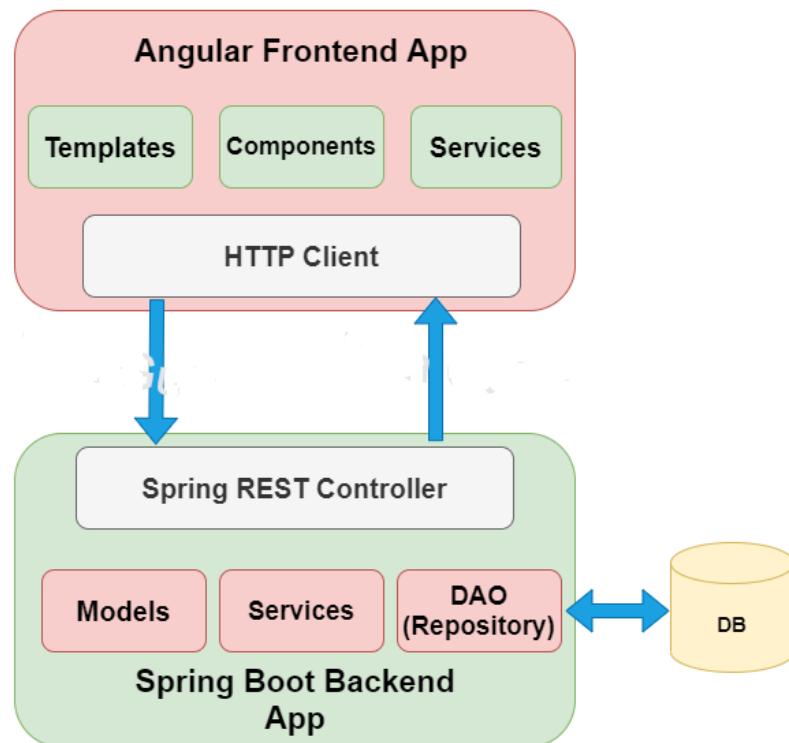
- Search for food items based on the search keyword.
- Add all the selected food items to a cart and customise the purchase at the end.
- Perform a seamless payment process.

### **Admin Portal:**

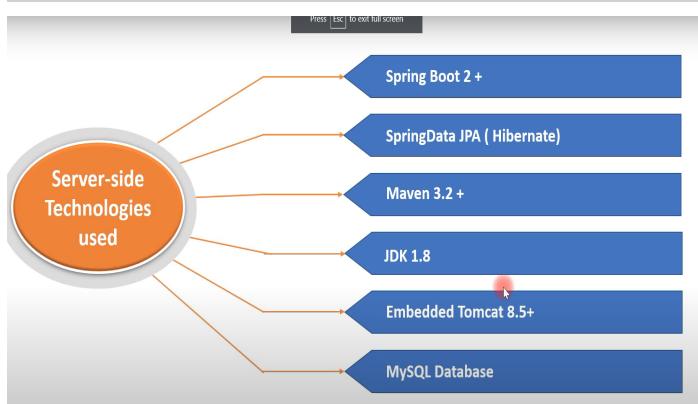
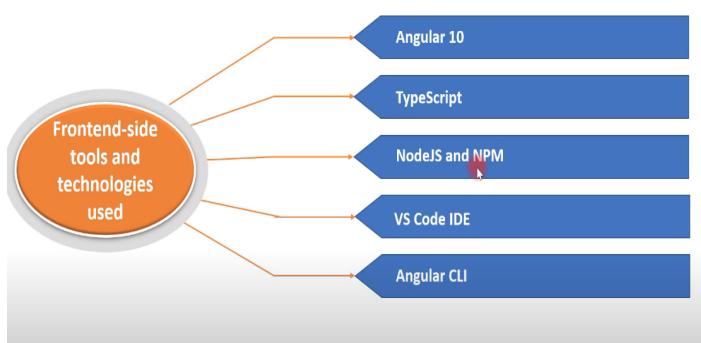
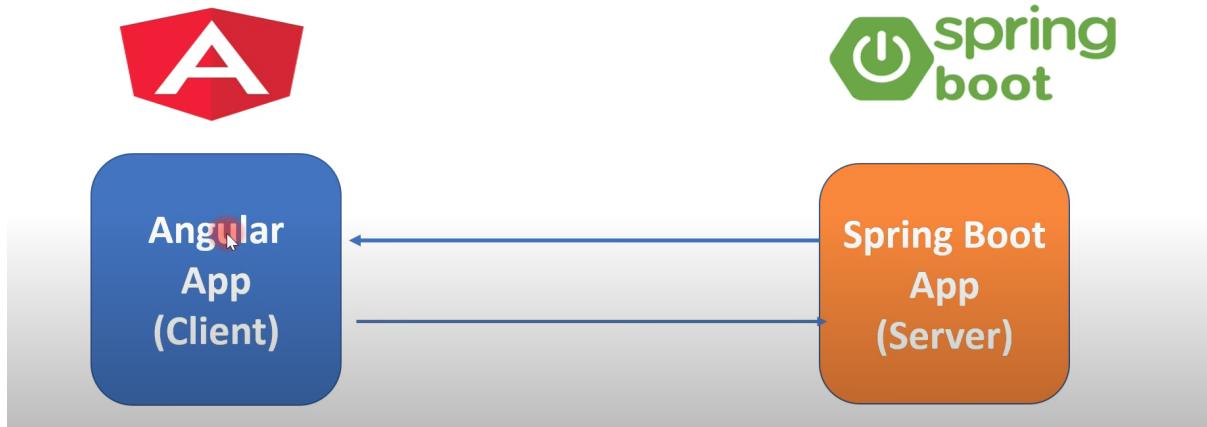
The admin portal deals with all the backend data generation and the management of sensitive user detail information.

- Add or remove different user details to or from the application to keep sensitive user information private.
  - Manage user details like name, email, phone number, address and other details.
- 

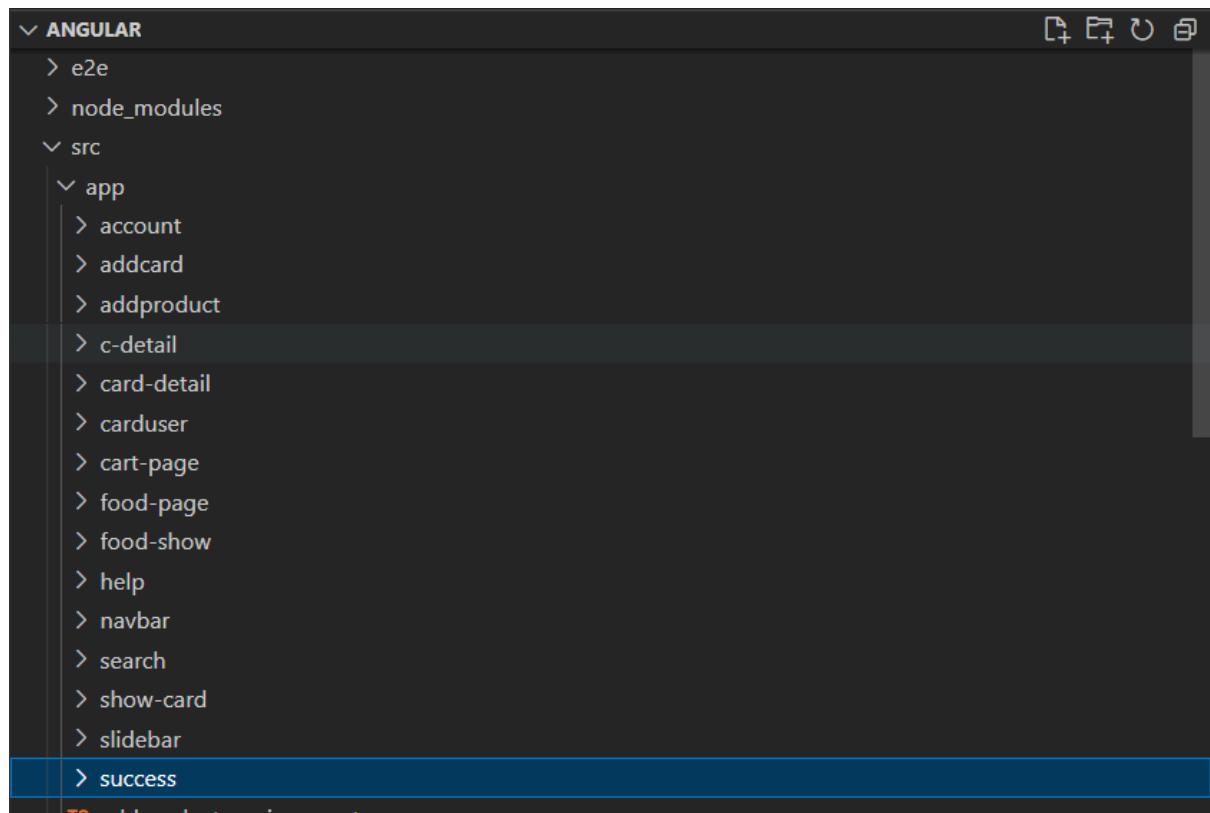
### **Workflow of data from frontend to backend and vice versa**



# Client server Architecture



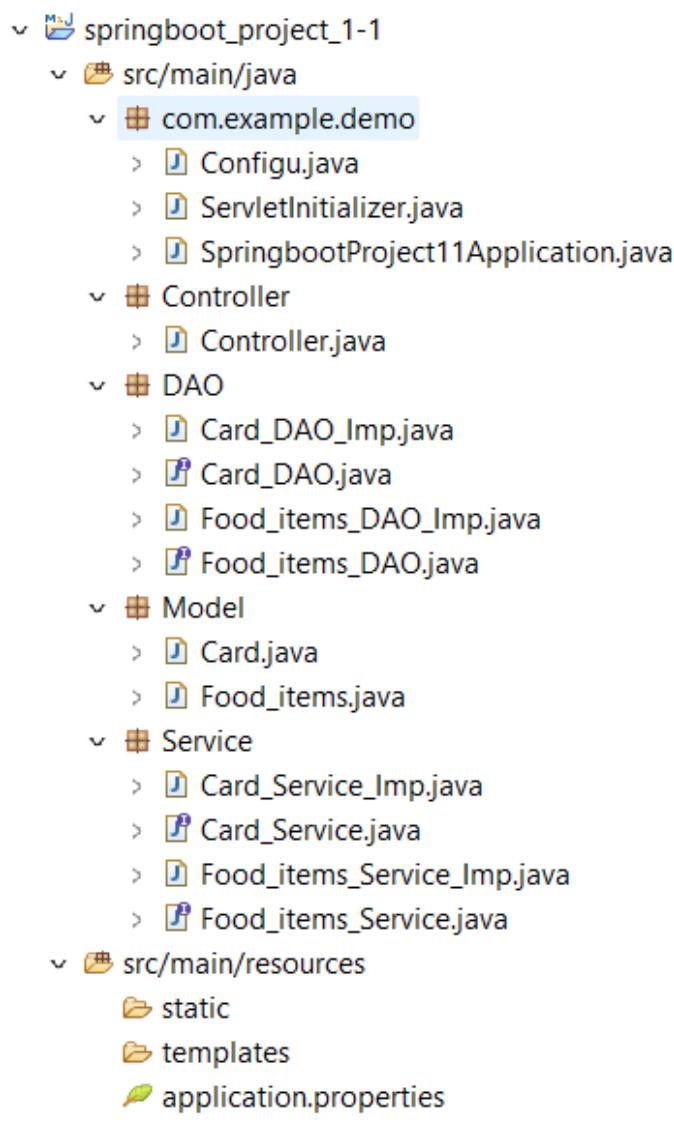
Folder view in Angular component.

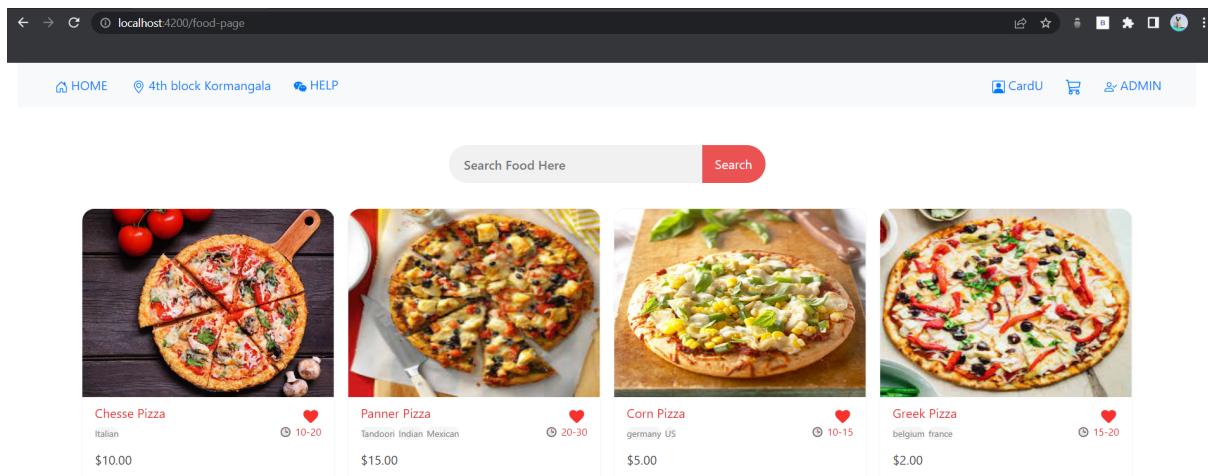


## service

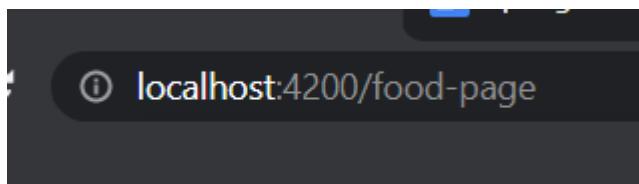
```
TS addproduct.service.spec.ts
TS addproduct.service.ts
TS addproduct.spec.ts
TS addproduct.ts
TS app-routing.module.ts
# app.component.css
↳ app.component.html
TS app.component.spec.ts
TS app.component.ts
TS app.module.ts
TS card.service.spec.ts
TS card.service.ts
TS card.spec.ts
TS card.ts
TS cart.service.spec.ts
TS cart.service.ts
TS Cart.ts
TS CartItem.ts
TS food.service.spec.ts
TS food.service.ts
TS Food.ts
TS searchfilter.pipe.spec.ts
TS searchfilter.pipe.ts
▽ assets
    ◇ .gitkeep
```

## Folder view in Spring Sts:



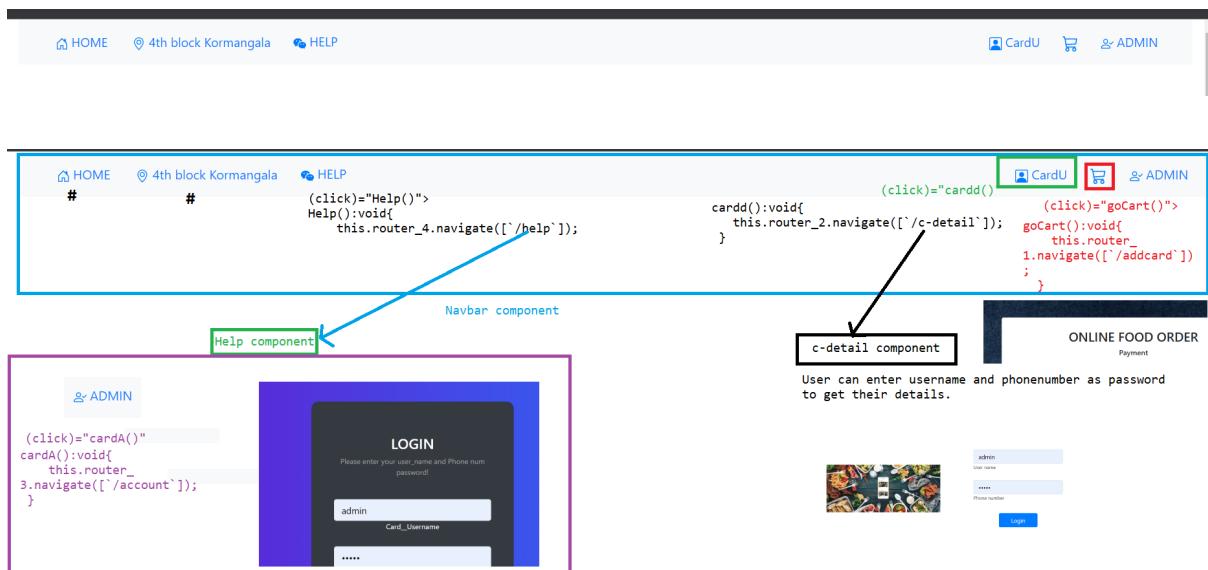


The center/ home component is the food-page component.



It contains the navigation bar on the top.

## NAVBAR WORKFLOW



Technologies used:

Bootstrap icons ,buttons and navbar templates.

Event binding from angular.

Routing to different pages by click of button.

Edit /addcard with /cart-page.

## FOODPAGE

### WORK FLOW OF SEARCH BAR.

Search Food Here

Search

Type “pizza” in the search box.

The screenshot shows a web browser displaying a food delivery application. The URL in the address bar is `localhost:4200/food-page`. The page has a dark header with navigation icons and a search bar containing the text "pizza". Below the search bar is a red "Search" button. The main content area displays four pizza options in a grid:

Image	Name	Cuisine	Rating	Price
	Chesse Pizza	Italian	10-20	\$10.00
	Panner Pizza	Tandoori Indian Mexican	20-30	\$15.00
	Corn Pizza	germany US	10-15	\$5.00
	Greek Pizza	belgium france	15-20	\$2.00

Below the main grid, there are two rows of汉堡 (hamburgers) images.

**Click the Search button:**

localhost:4200/search/pizza

HOME HELP CardU ADMIN

pizza

Search

Image	Name	Cuisine	Price	Rating
	Chesse Pizza	Italian	\$10.00	10-20
	Panner Pizza	Tandoori Indian Mexican	\$15.00	20-30
	Corn Pizza	germany US	\$5.00	10-15
	Greek Pizza	belgium france	\$2.00	15-20

## WORKFLOW OF ORDERING FOOD.

1. Click on the item to select.



### Chesse Pizza

Italian

 10-20

\$10.00

You will be redirected to that item's page

[HOME](#) [4th block Kormangala](#) [HELP](#)

[CardU](#) [Cart](#) [ADMIN](#)

### Chesse Pizza



Italian

Time to cook about **10-20** minutes

Price: **\$10.00**

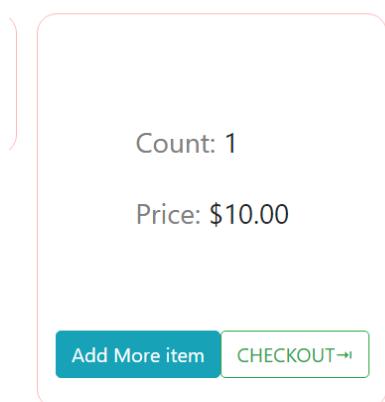
[Add To Cart](#)

**Click on Add to Cart**

**You will be redirected to cart-page and the items will be added to cart.**

A screenshot of a web browser displaying a cart page from 'localhost:4200/cart-page'. The page shows a single item in the cart: 'Chesse Pizza' with a price of ₹10.00. A red box highlights the 'Add More item' button and the 'CHECKOUT→' button. The top navigation bar includes links for HOME, 4th block Kormangala, HELP, CardU, ADMIN, and other icons.

**Click on “Add More item” to add more items.**



**You will be redirected to the food-page where you can select more items.  
Click on the items you want to select.**

A screenshot of a food selection page. It features a large image of a sponge cake topped with strawberries and cream. To the left of the main image is a smaller thumbnail of the same cake. Below the image, the item name 'Sponge Cake' is displayed in red, along with its price '\$9.00', origin 'Japan', a heart icon, and a rating of '40-50'. A red box highlights the '\$9.00' price.

You will be directed to the item's details page.



## Sponge Cake



Japan

Time to cook about **40-50** minutes

Price: \$9.00

Add To Cart

Click on “Add to Cart” to add to the cart.

[HOME](#) [4th block Kormangala](#) [HELP](#)

	Chesse Pizza	1	₹10.00	<a href="#">Remove</a>
	Sponge Cake	1	₹9.00	<a href="#">Remove</a>

Count: 2  
Price: \$19.00

[Add More item](#) [CHECKOUT→](#)

The total quantity and total price is displayed before checkout.

Click on the checkout button to proceed for card payment.

Add More item

CHECKOUT→

## PAYMENT

Enter the user details and card details to pay:

### ONLINE FOOD ORDER

Payment

User Details:

User name



Hari

User Email



hari@gmail.com

User Phone



9113302599

User Address



Kormangala

User Date\_time

User Date\_time

13-09-2022 17:00

CARD Comapny

SBI

Add new card:

Cardholder's Name

Hari Sinha

Card Number

1234852878945612

Expire

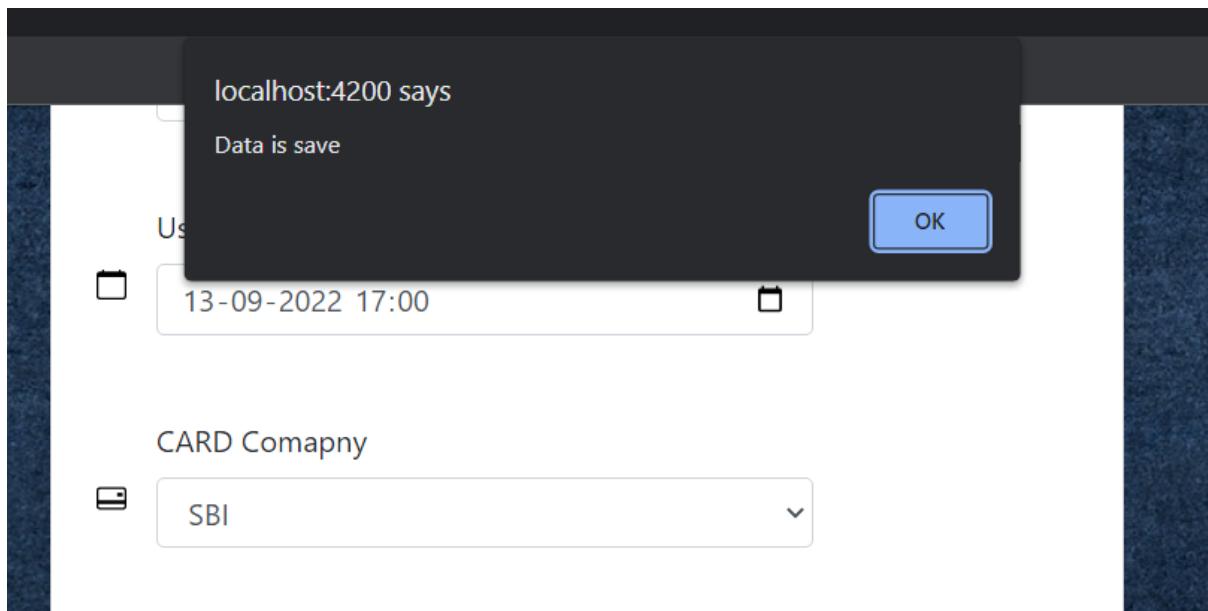
04/25

Cvv

...

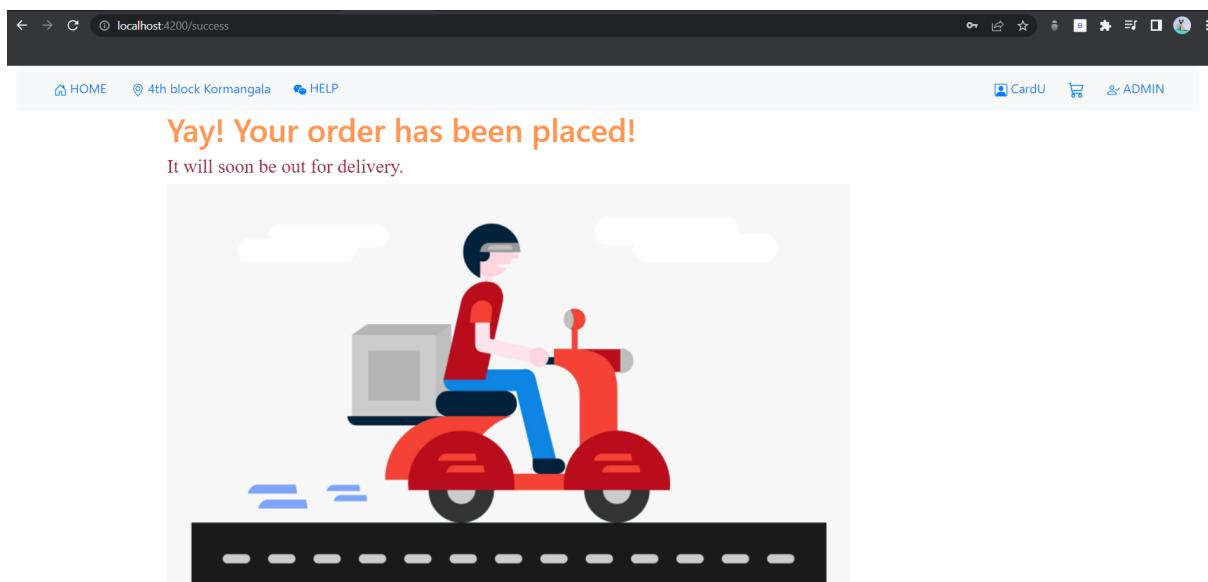
**Add card**

**Click on “Add card” to save your card details and complete the order.**



**Data saved alert will be displayed and the details will be saved in the database .**

**Yay! Your order will be placed!**



**HOME**

**Click on the HOME button to be redirected to the home page.**

**Click on the Help button on the Navigation bar to contact the restaurant for any issues.**

---

[!\[\]\(69a17710a58fe4423e35a362e1865030\_img.jpg\) HOME](#)    [!\[\]\(91ae2b5c3605611bca247f4ced3f3a6f\_img.jpg\) 4th block Kormangala](#)    [!\[\]\(6d3336bda54303aca09723e0c79f5ad6\_img.jpg\) HELP](#)

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**Having an issue with your order or payment?**



Please enter your details below

Name:	Hari
Email:	Hari@gmail.com
Contact number:	9113302599

I have an issue

---

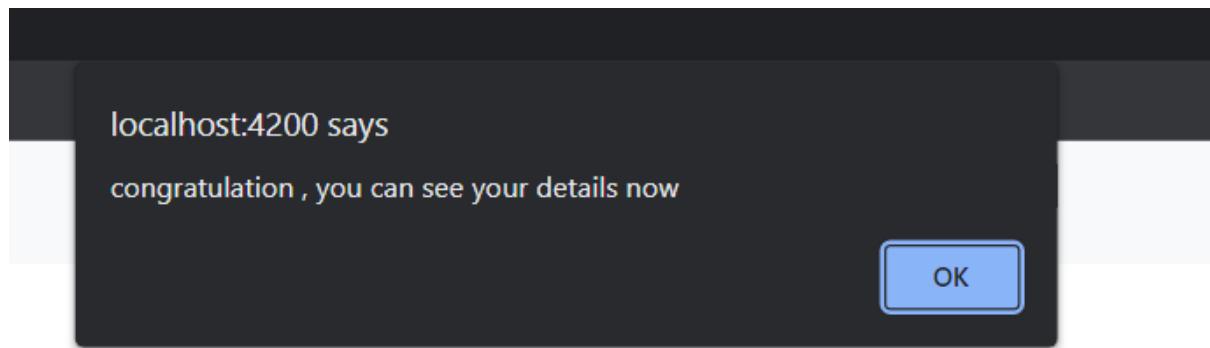
**Users can access their card details using the following steps:**

**1. Click on the CardUser Icon.**



## 2. Enter the username and password as the phone number.

A screenshot of a web browser window showing the CardU login page. The address bar displays "localhost:4200/c-detail". The header includes links for "HOME", "4th block Kormangala", "HELP", "CardU" (with a shopping cart icon), and "ADMIN". The main content features a decorative background image of various food items and cutlery. On the right side, there are two input fields: "Enter username" with placeholder "User name" and "Enter password" with placeholder "Phone number". A blue "Login" button is positioned below the password field. The browser interface shows standard navigation and search tools at the top.A screenshot of the CardU login page. The background image of food is visible. The "User name" field contains the text "user1". The "Phone number" field contains the text ".....". A blue "Login" button is centered below the input fields.



user1

User name

.....

Phone number

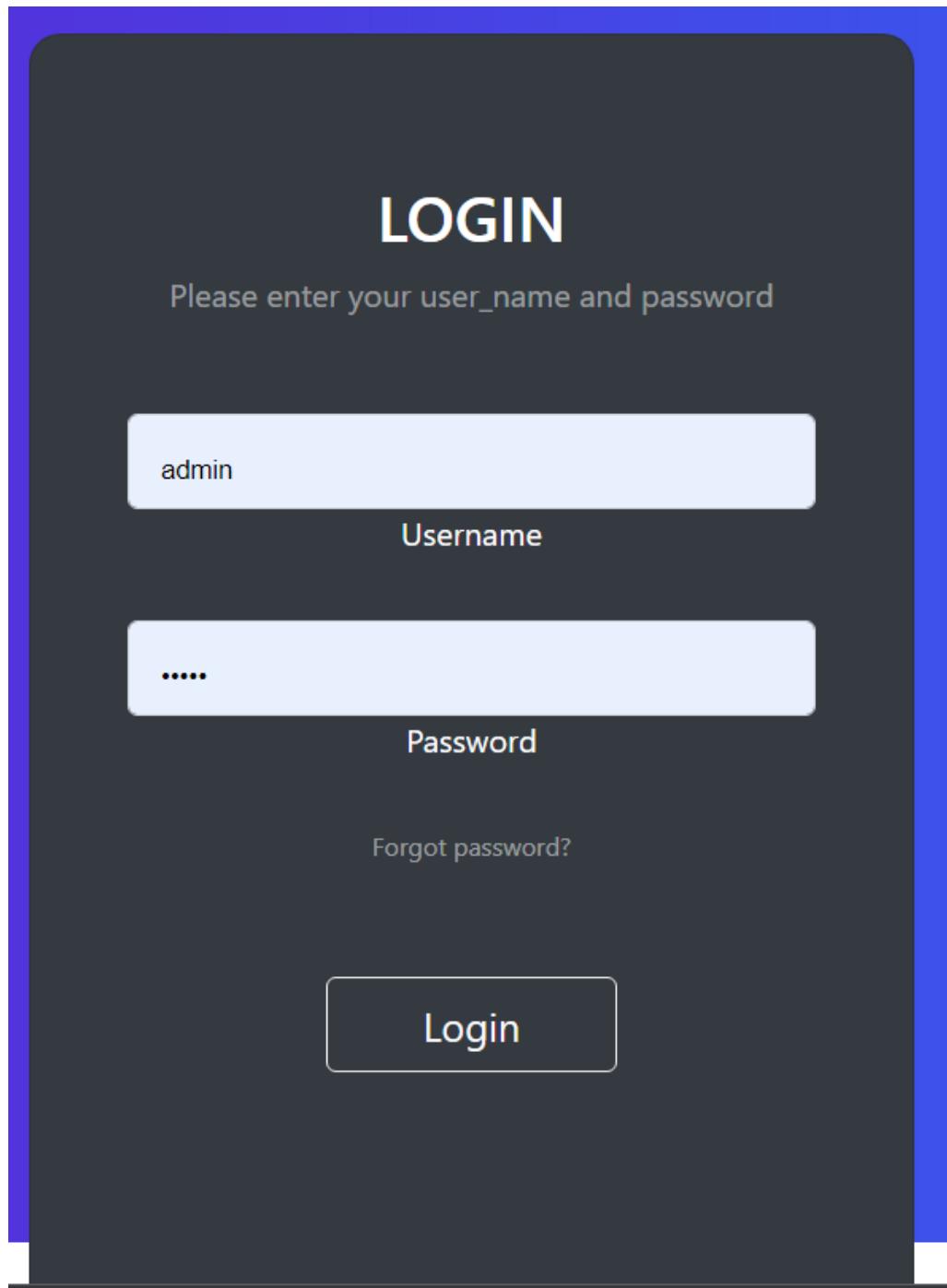
Login

Card user	Card Email	Card Phone	Card Address	Card Date_Time	Card Branch	Card User Name	Card new_Number	Card Expire	Card Cvv	Action
user1	user1@gmail.com	1123456789	user1home	2022-09-13T08:52	SBI	user1	1234894556476232	02/23	256	<a href="#">Edit</a>

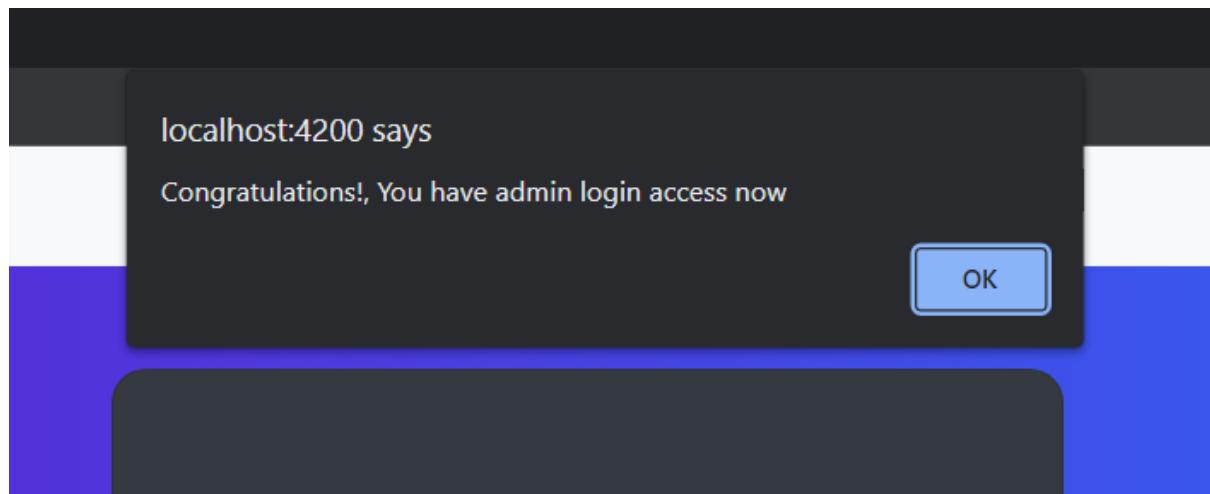
Back Page

**With this functionality , user doesn't have to enter the card details every time he orders.**

# **Administrator Access.**



**Only the database admin can access all the card details of users which gets saved in backend.**



## Admin can Delete and Update the user data.

A screenshot of a web application titled "Card User". The page shows a table of user data with the following columns: Card user, Card Email, Card Phone, Card Address, Card Date\_Time, Card Branch, Card User Name, Card new\_Number, Card Expaire, Card Cvv, and Action (with sub-options Delete and Update). The table contains five rows of data:

Card user	Card Email	Card Phone	Card Address	Card Date_Time	Card Branch	Card User Name	Card new_Number	Card Expaire	Card Cvv	Action
saket	saketis@gmail.com	7004551155	Kormangala	2022-09-09T21:23	SBI	Saket Narmolia	2541 8564 7894	01/23	256	<button>Delete</button> <button>Update</button>
narendra modi	mitron@gmail.com	1112454567	Rashtrapati bhawan	2022-09-12T18:07	SBI	narendra modi	987445644545	02/23	256	<button>Delete</button> <button>Update</button>
modi	modi@gmail.com	1234567891	dnsjdi	2022-09-12T18:13	SBI	modi	1234123412341234	02/23	256	<button>Delete</button> <button>Update</button>
user1	user1@gmail.com	1123456789	user1home	2022-09-13T08:52	SBI	user1	1234894556476232	02/23	256	<button>Delete</button> <button>Update</button>
user2	useremail@gmail.com	1223456789	user2home							<button>Delete</button>

user8home

userhome

userhome

userhome

user12hom

Kormangala

## Update Card

card User Name

Hari

card Email

hari@gmail.com

card User phone

9931727685

card User Address

Kormangala

card User Date\_Time

2022-09-13T17:00

Select Bank Branch

RBL

card User Name

**Click on the Update button to Save the Updated data.**

card User Expaire MM/YY

card User cvv

**Update** **Close**

**Update will be successfully saved.**

home

ome

ome

ome

### Update Card

Card Detail Updated!

**Close**

2022-09-13T13:55

Card user	Card Email	Card Phone	Card Address	Card Date_Time	Card Branch	Card User Name	Card new_Number	Card Expaire	Card Cvv	Action
Hari	hari@gmail.com	9931727685	Kormangala	2022-09-13T17:00		Hari Sinha	1234852878945612	04/25	214	<b>Delete</b> <b>Update</b>

## Developer's details.

Name: AAKANKSHA KASHYAP.

Designation: Full Stack Developer.

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