

A PROJECT ON ONLINE PIZZA DELIVERY SYSTEM

SUBMITTED IN

**PARTIAL FULFILLMENT OF THE REQUIREMENT
FOR THE COURSE OF DIPLOMA IN ADVANCED COMPUTING FROM CDAC**



**CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING,
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CERTIFICATE

This is to certify that the project work under the title 'Online Pizza Delivery System' is done by Mr. Pawan Rathod, Mr. Sarang Pawar, Ms. Prachi Zarekar, Ms. Pranjal Suryawanshi, Mr. Pratik Kale and Mr. Pritish Ulmale in partial fulfillment of the requirement for award of Diploma in Advanced Computing Course.

Project Guide

Mr. M.Kumar
Course Co-Coordinator

Date:

ACKNOWLEDGEMENT

A project usually falls short of its expectation unless aided and guided by the right persons at the right time. We avail this opportunity to express our deep sense of gratitude towards Mr. Sharan Sir (Center Coordinator, CDAC, Hyderabad) and Mr. M.Kumar Sir (Course Coordinator, CDAC, Hyderabad) .

We are deeply indebted and grateful to them for their guidance, encouragement and deep concern for our project. Without their critical evaluation and suggestions at every stage of the project, this project could never have reached its present form.

Last but not the least we thank the entire faculty and the staff members of Cdac, Hyderabad for their support.

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ABSTRACT

This Online Pizza Delivery System will basically be an easy to use web application that will allow customers to easily purchase and order Pizza for home delivery. It is basically for providing a platform for registering users, menu types, menus, managing orders and an end-to-end system from order-to –delivery-to –payment services.

This project presents a theoretical framework for online pizza delivery system, it discussed about ordering Pizza from listed restaurants just like from vendors like `Pizza Hut` and `Dominos`. After Ordering, the details are processed and a delivery person is assigned for carrying out the delivery available in that region.

This project discussed the tool and technology used in developing the proposed system (the system has a front end by REACT to display the content structure and a back end of database using MySQL and Spring Boot i.e. J2EE). A number of development methodologies were discussed and why one of the methodologies was chosen for this project. Methods used to gather the requirement specification was also discussed and how the researcher will use this as a guideline in developing the proposed system.

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1. INTRODUCTION TO PROJECT

The web based “Online Pizza Delivery System” project is an attempt to stimulate the basic concepts of Pizza shopping. The system enables the customer to do the things such as search for menu items category wise, choose menu items based on description and add that items into cart

The system provides you details about pizza. If user want to buy pizza he must have registered account.

The system shows the pizza that are available. The system displays price, image and quantity of pizza to user.

Here we provided menu items by category wise that allows customer to choose a particular item easily. If the menu items are available then the system allows the user to add pizza into cart.

To place order system ask user to select the address and payment mode. Single customer can save multiple addresses for his account but while placing order he can select only one address. If address is not provided the user can't place order, Customer have to specify the address before placing order. After selecting address and payment mode customer can place order and the same updates will be done in database.

The System have admin who can add new menu types and menu items or can remove menu types and menu items and he also can see the availability of menu items.

2.PROJECT OVERVIEW AND SUMMARY

PURPOSE

The purpose of this project is to provide shopping of Pizza more effectively than the existing system. There are some disadvantages of the existing Pizza shopping system . These disadvantages are overcome by the Online Pizza Shopping System. And it can be made handily available to every person. Previously people have to go to restaurants and purchase the Pizza and bring that Pizza to home is very frustrating task as we waste so much time in it like in traffic or queue at restaurants.

Thus Online Pizza Delivery is proposed to assist people and fulfill their requirements easily. This project enables the user to keep track of all the activities of a purchase order. It is a web based application which helps the user to check Pizza available in the restaurants, check for order details, delivery etc.It maintains order history and order time. It has secured access to admin.

The admin shall be able to keep track of different users like Delivery persons, customers and also able to track menu types and menu items etc. It is a smart web UI which could assist the restaurant owner to keep track of all the events in the restaurant.

SCOPE

- ✓ Currently Purchasing Pizza has become a tedious job in city due to traffic.
- ✓ Small and medium scale restaurants, have to manage data about customers, services offered to them.
- ✓ It is difficult for small scale businesses to maintain data for longer time as they are using paper based system.
- ✓ Customers also need to find nearest restaurants which provide authentic service.
- ✓ Using this system they will be able to maintain customer and services data.
- ✓ We are also solving the problem from customer's end by making ease of choice. They can choose the products from different category and from different Restaurants.

USER CLASSES AND CHARACTERISTICS

In this software, there is an Admin, Admin can add new category of menu type. Customer can use the software for registering to the system.

Customer can purchase different Pizza and can place order.

Restaurants Can Register and list there products. delivery person can see order list and order status.

TECHNOLOGIES USED

MySQL

React-JS

Spring Boot

REQUIREMENTS

FUNCTIONAL REQUIREMENTS

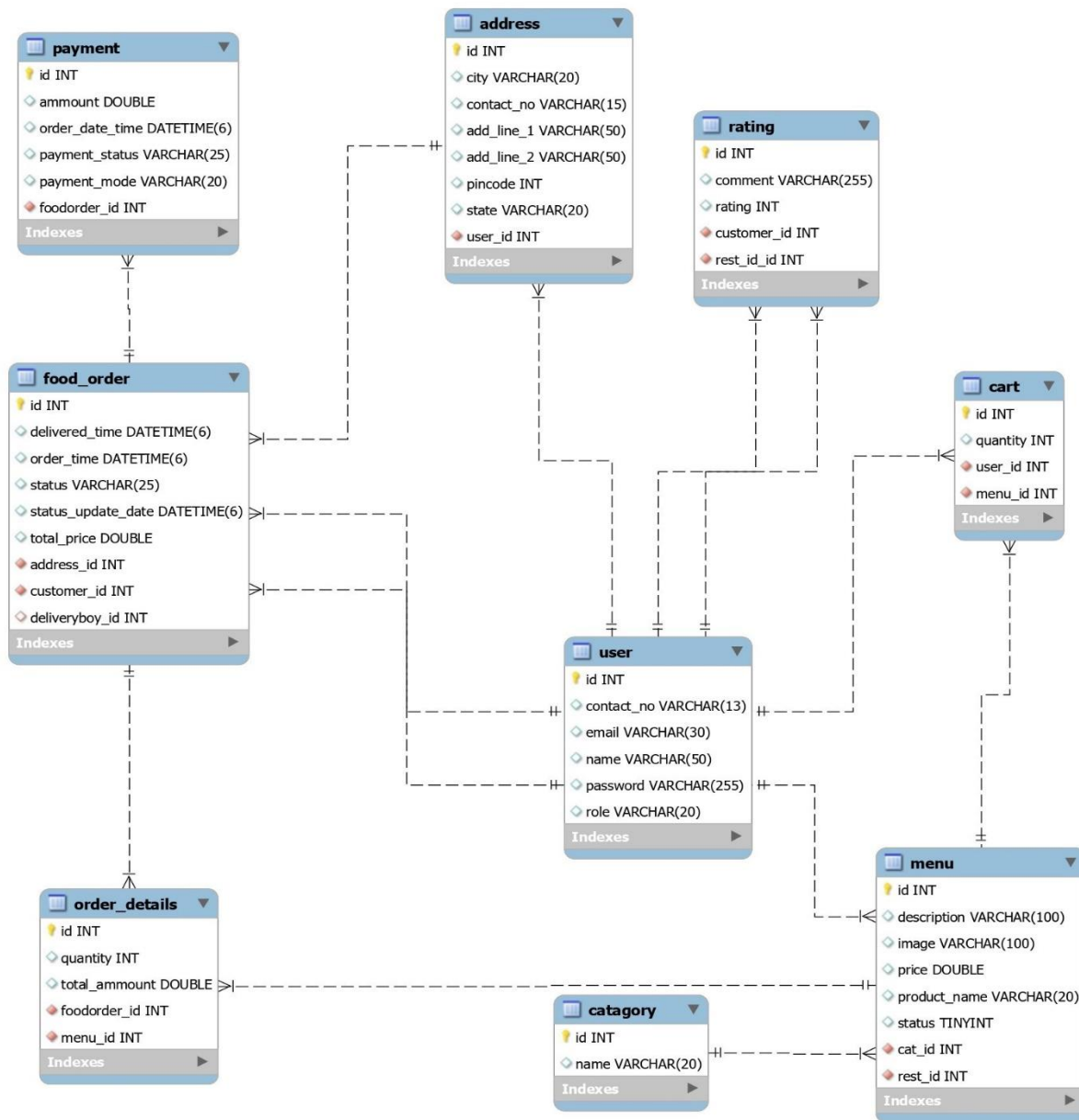
The major functionality of this project is divided into four categories.

- Administrative Functions.
- Customer Functions.
- Restaurant Functions.
- Delivery Boy Functions.

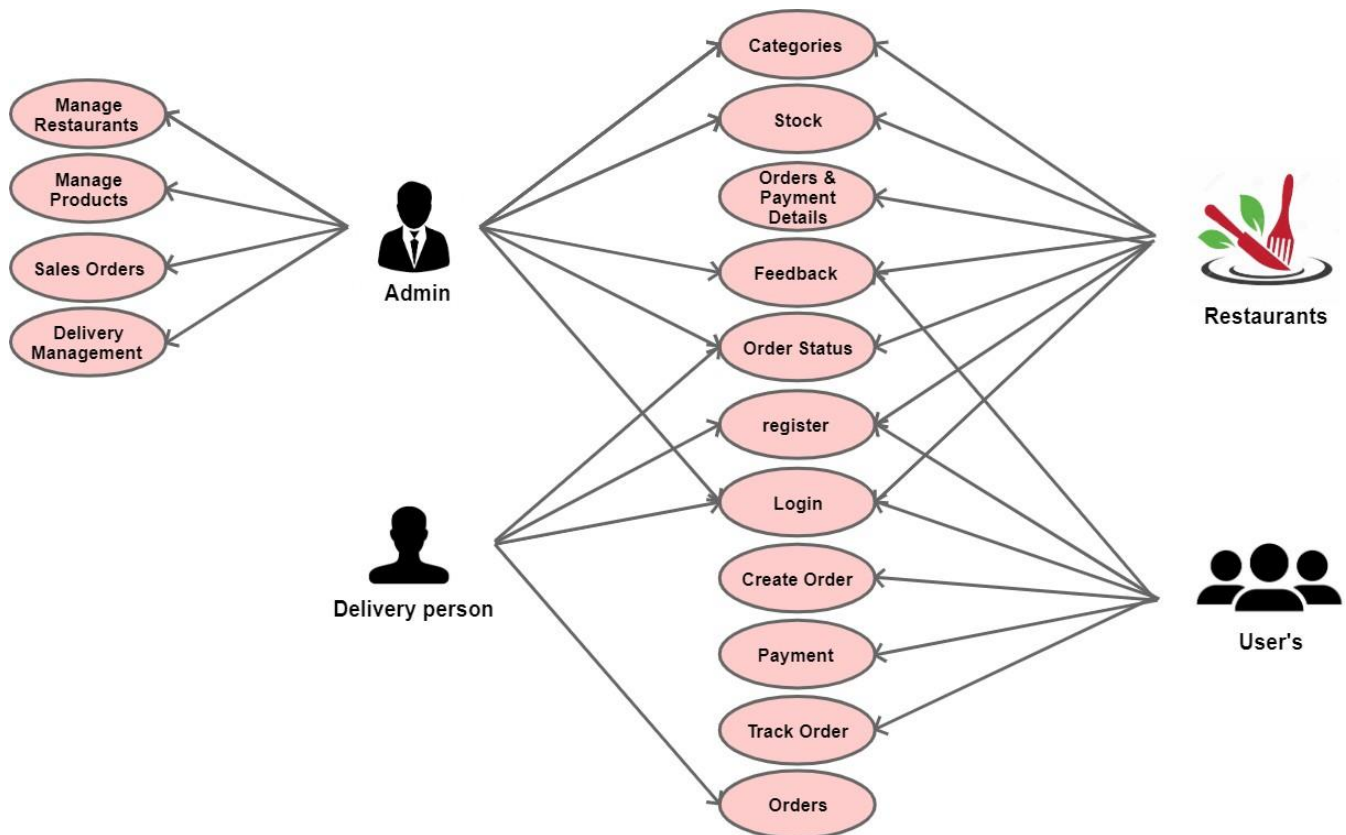
In this application each and every user must have their own Email ID and Password, using these Email ID and Password only they can directly enter into their corresponding Login forms.

System analysis will be performed to determine if it is feasible to design information based on policies and plans of the organization and on user requirements and to eliminate the weaknesses of the present system.

ER-DIAGRAM



USE-CASE



DATABASE DESIGN

Users

Field	Type	Null	Key	Default	Extra
Id	Int	No	PRI	NULL	auto_increment
email	varchar	No	UNI	NULL	
name	varchar	Yes		NULL	
password	varchar	No		NULL	
contact	varchar	Yes		NULL	
role	varchar	Yes		NULL	

Addresses

Field	Type	Null	Key	Default	Extra
Id	int	No	PRI	NULL	auto_increment
address_line_1	Varchar	Yes		NULL	
address_line_2	Varchar	Yes		NULL	
city	Varchar	Yes		NULL	
contact	Varchar	No		NULL	
pin_code	Varchar	Yes		NULL	
state	varchar	Yes		NULL	
user_id	int	No	MUL	NULL	

Cart

Field	Type	NULL	Key	Default	Extra
Id	Int	NO	PRI	NULL	auto_increment
quantity	Int	NO		NULL	
customer_id	Int	YES	MUL	NULL	
menu_id	Int	YES	MUL	NULL	

Category

Field	Type	NULL	Key	Default	Extra
Id	Int	NO	PRI	NULL	auto_increment
name	varchar	YES		NULL	

Menu

Field	Type	Null	Key	Default	Extra
Id	Int	No	PRI	NULL	auto_increment
description	varchar	Yes	UNI	NULL	
Name	varchar	Yes		NULL	
Image	varchar	Tes		NULL	
Price	double	Yes		NULL	
Status	tinyInt	yes		NULL	
category_id	Int	Yes	MUL	NULL	
rest_id	Int	No	MUL	NULL	

Payments

Field	Type	Null	Key	Default	Extra
Id	Int	No	PRI	NULL	auto_increment
Amount	double	No		NULL	
payment_time	datetime	Yes		NULL	
Status	varchar	Yes		NULL	
Pay_mode	varchar	Yes		NULL	
order_id	Int	Yes	MUL	NULL	

Pizza_order

Field	Type	Null	Key	Default	Extra
Id	int	NO	PRI	NULL	auto_increment
order_date	Datetime	Yes		NULL	
order_status	Varchar	Yes		NULL	
status_update_date	datetime	Yes		NULL	
total_price	double	NO		NULL	
user_id	int	NO	MUL	NULL	
delivery_addresses_id	int	NO	MUL	NULL	
delevery_boy_id	int	NO	MUL	NULL	

Rating

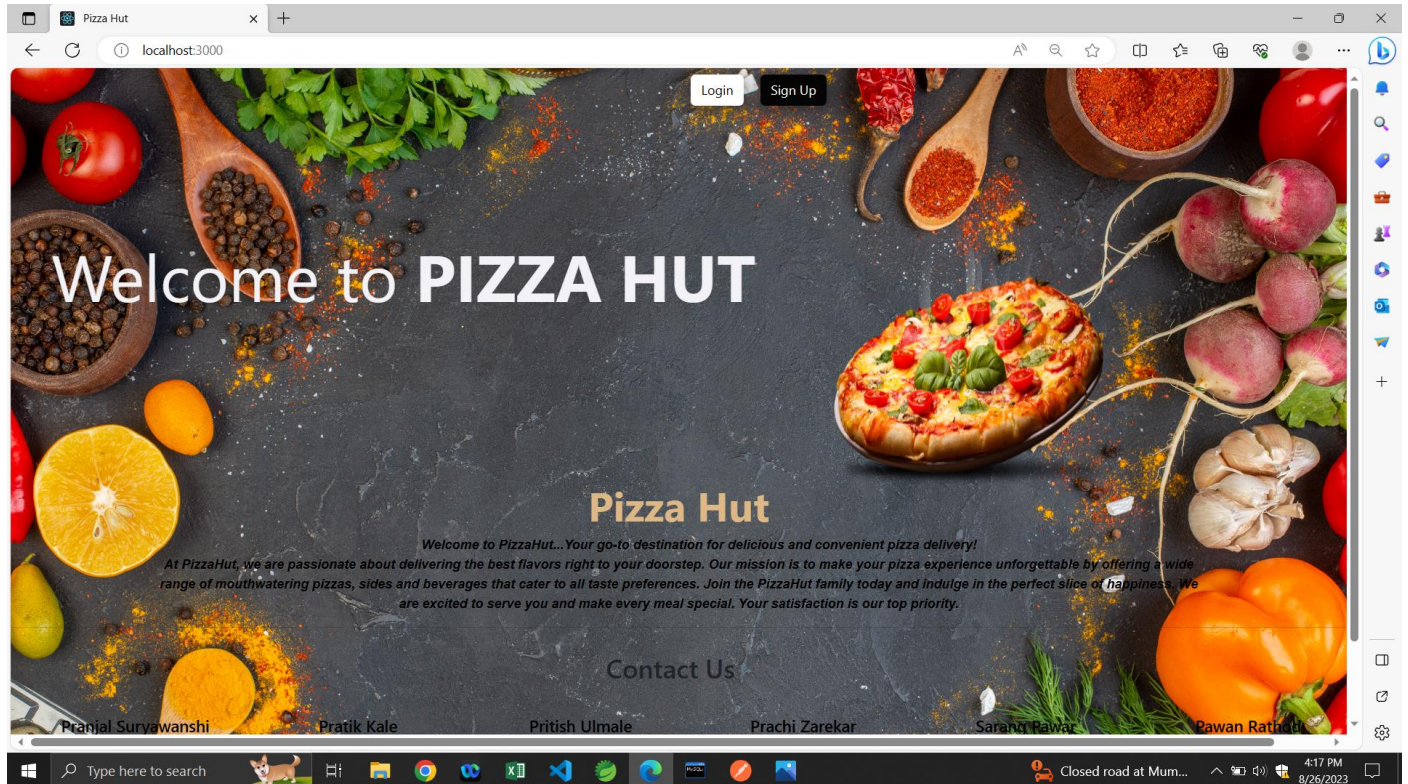
Field	Type	Null	Key	Default	Extra
Id	Int	No	PRI	NULL	auto_increment
comment	Varchar	Yes		NULL	
Rating	Int	Yes		NULL	
customer_id	Int	No	MUL	NULL	
rest_id	Int	No	MUL	NULL	

Order_Details

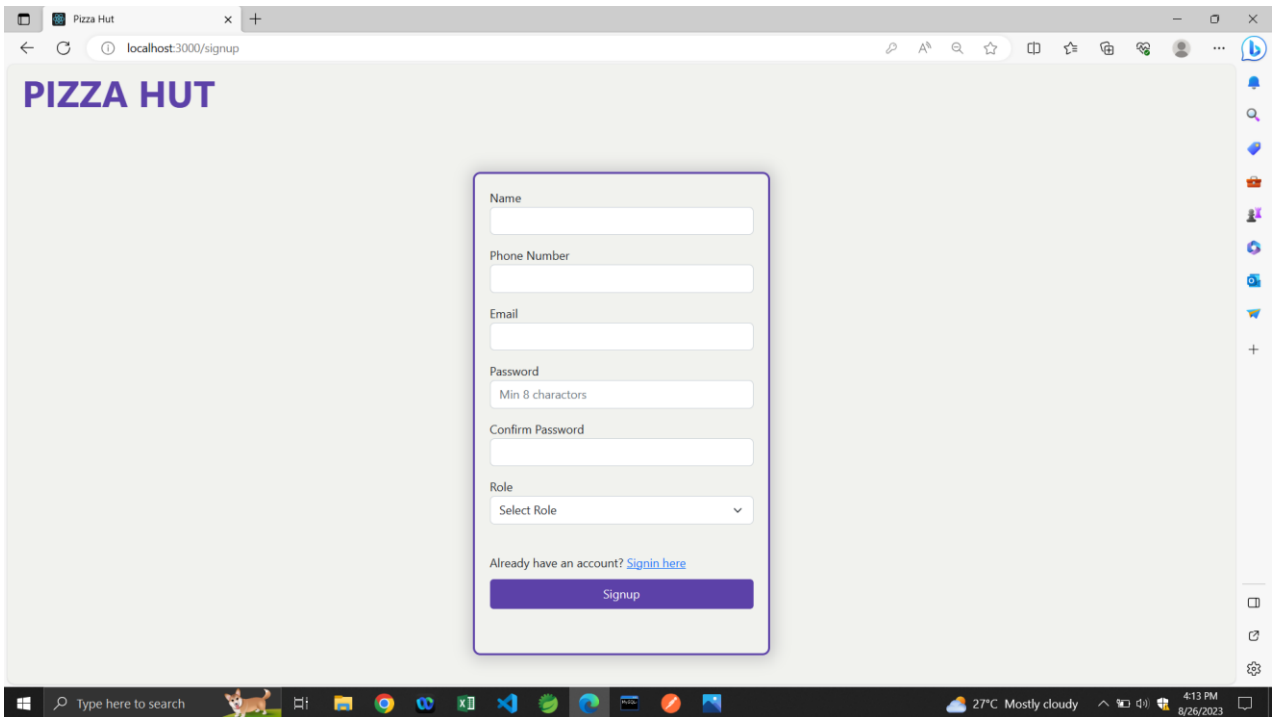
Field	Type	Null	Key	Default	Extra
Id	Int	No	PRI	NULL	auto_increment
Total	Double	No		NULL	
Quantity	Int	No		NULL	
order_id	Int	No	MUL	NULL	
product_id	Int	No	MUL	NULL	

PROJECT SCREENSHOTS

****HOME PAGE****



****SIGN UP PAGE****



The screenshot shows a web browser window with the title "Pizza Hut" and the address bar displaying "localhost:3000/signup". The page features the "PIZZA HUT" logo in the top left. A central form is used for signing up, containing the following fields: "Name", "Phone Number", "Email", "Password" (with a "Min 8 characters" hint), "Confirm Password", and a "Role" dropdown menu set to "Select Role". Below the form, there is a link "Already have an account? [Signin here](#)" and a purple "Signup" button. The Windows taskbar at the bottom shows the search bar, various application icons, and system information: "27°C Mostly cloudy", "4:13 PM", and "8/26/2023".

PIZZA HUT

Name

Phone Number

Email

Password

Min 8 characters

Confirm Password

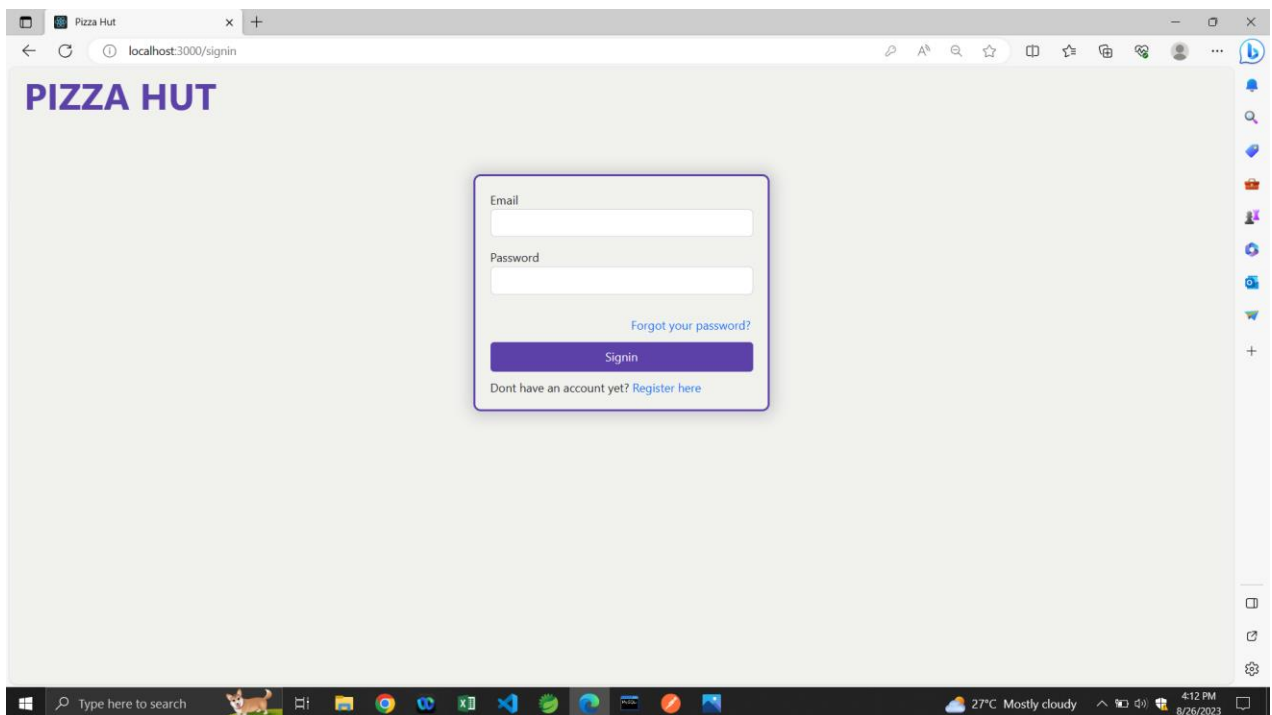
Role

Select Role

Already have an account? [Signin here](#)

Signup

****LOGIN PAGE****



The screenshot shows a web browser window with the title "Pizza Hut" and the address bar displaying "localhost:3000/signin". The page features the "PIZZA HUT" logo in the top left. A central form is used for signing in, containing the following fields: "Email" and "Password". Below the form, there is a link "Forgot your password?", a purple "Signin" button, and a link "Dont have an account yet? [Register here](#)". The Windows taskbar at the bottom shows the search bar, various application icons, and system information: "27°C Mostly cloudy", "4:12 PM", and "8/26/2023".

PIZZA HUT

Email

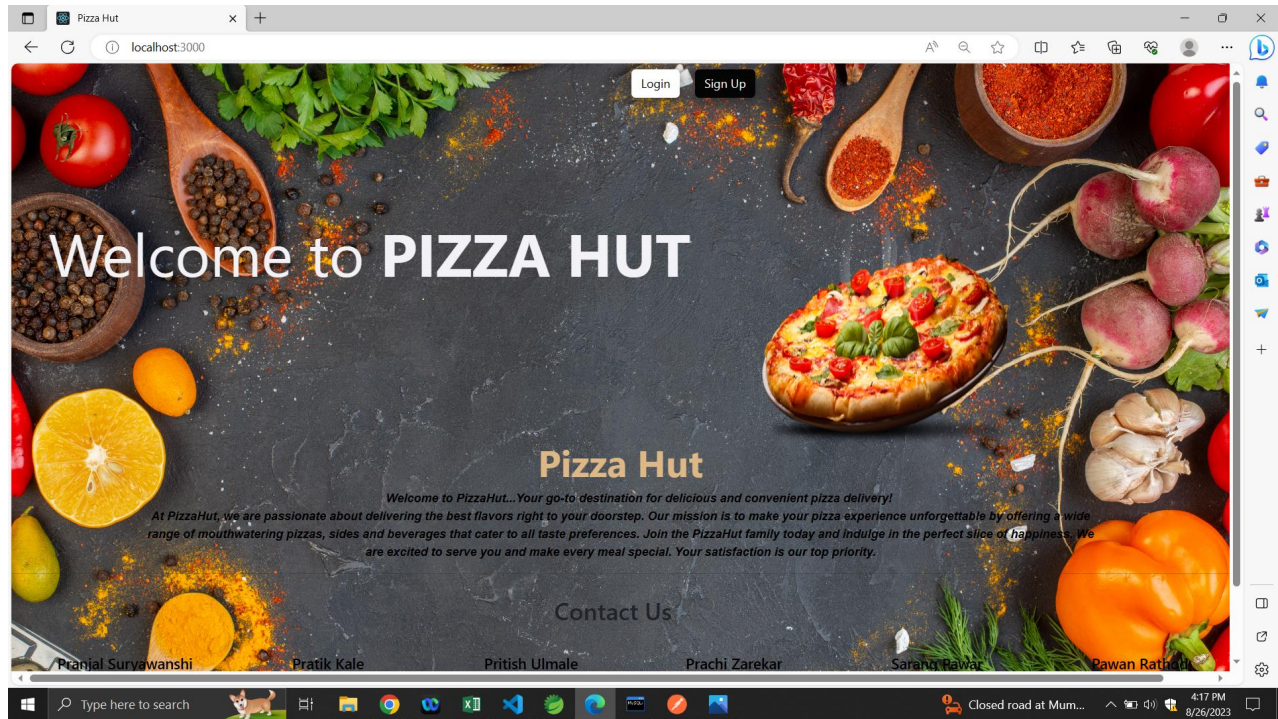
Password

[Forgot your password?](#)

Signin

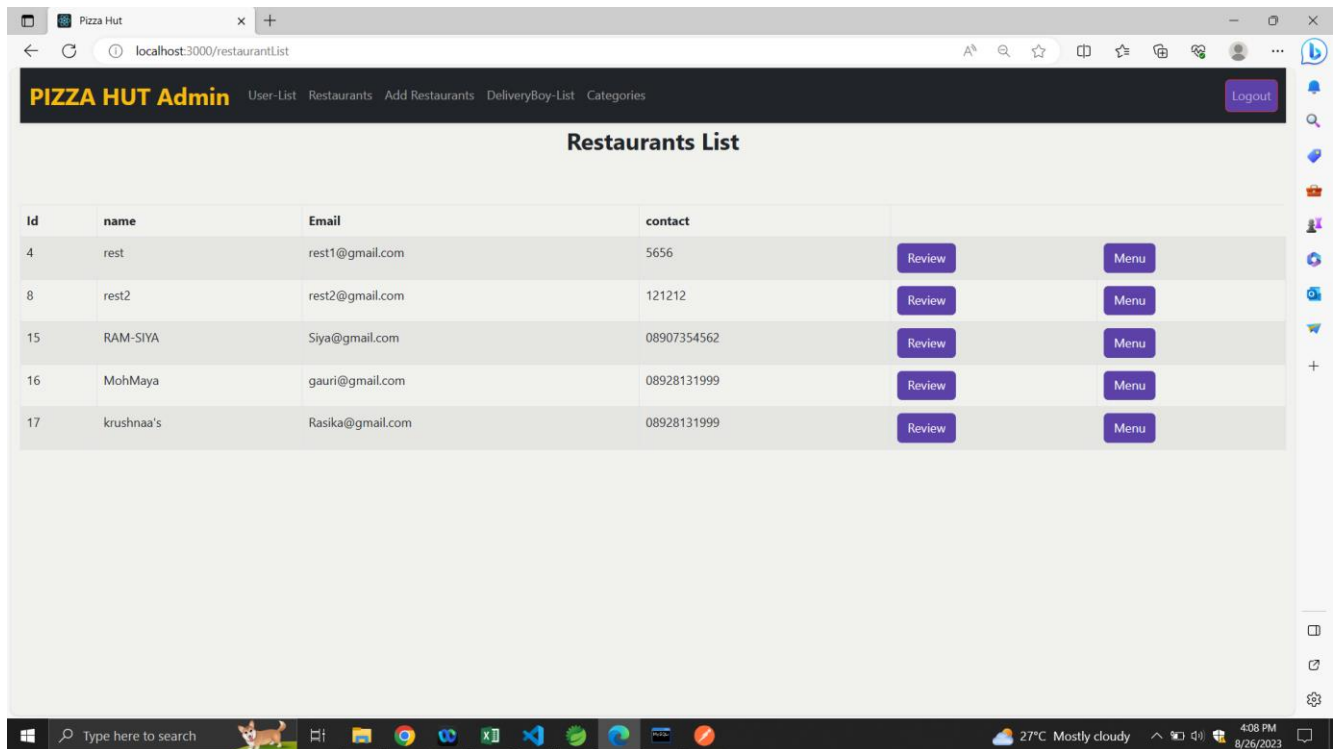
Dont have an account yet? [Register here](#)

ADMIN HOMEPAGE

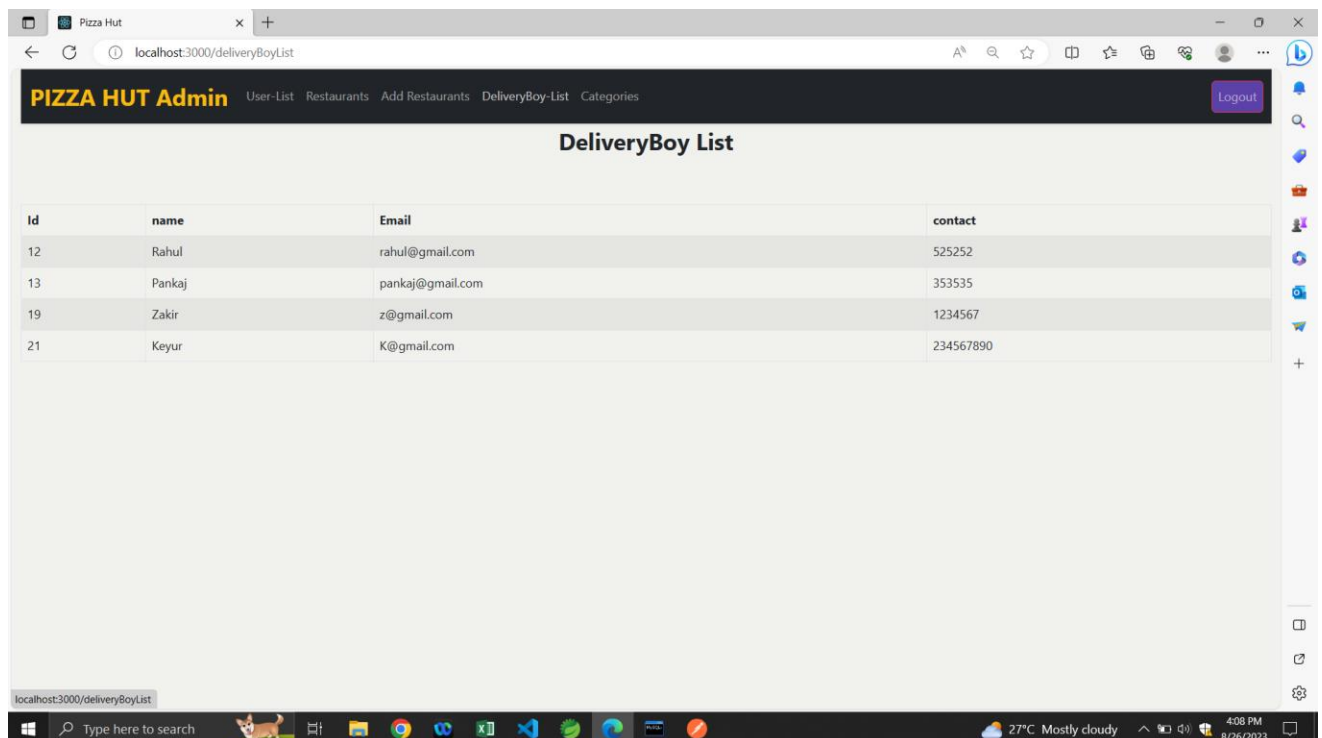


CUSTOMERS LIST

Id	name	Email	contact
1	sudh	sudh@gmail.com	12345
3	pooja	sudh12@gmail.com	121212
6	shivendra	sudh123@gmail.com	212121
9	Pooja	pooja123@gmail.com	9404027890
10	prajakta	praj@gmail.com	123456789
11	Phalguni	phalguni@gmail.com	1234567890
14	Akash	akash@gmail.com	08907354562
18	Pritish	prish@gmail.com	12345678
20	Pawan	pawan@gmail.com	234567

****RESTAURANTS LIST****

Id	name	Email	contact	Review	Menu
4	rest	rest1@gmail.com	5656	Review	Menu
8	rest2	rest2@gmail.com	121212	Review	Menu
15	RAM-SIYA	Siya@gmail.com	08907354562	Review	Menu
16	MohMaya	gauri@gmail.com	08928131999	Review	Menu
17	krushnaa's	Rasika@gmail.com	08928131999	Review	Menu

**** DELIVERY BOYS LIST****

Id	name	Email	contact
12	Rahul	rahul@gmail.com	525252
13	Pankaj	pankaj@gmail.com	353535
19	Zakir	z@gmail.com	1234567
21	Keyur	K@gmail.com	234567890

** ADD RESTAURANT**

Restaurant Name

Phone Number

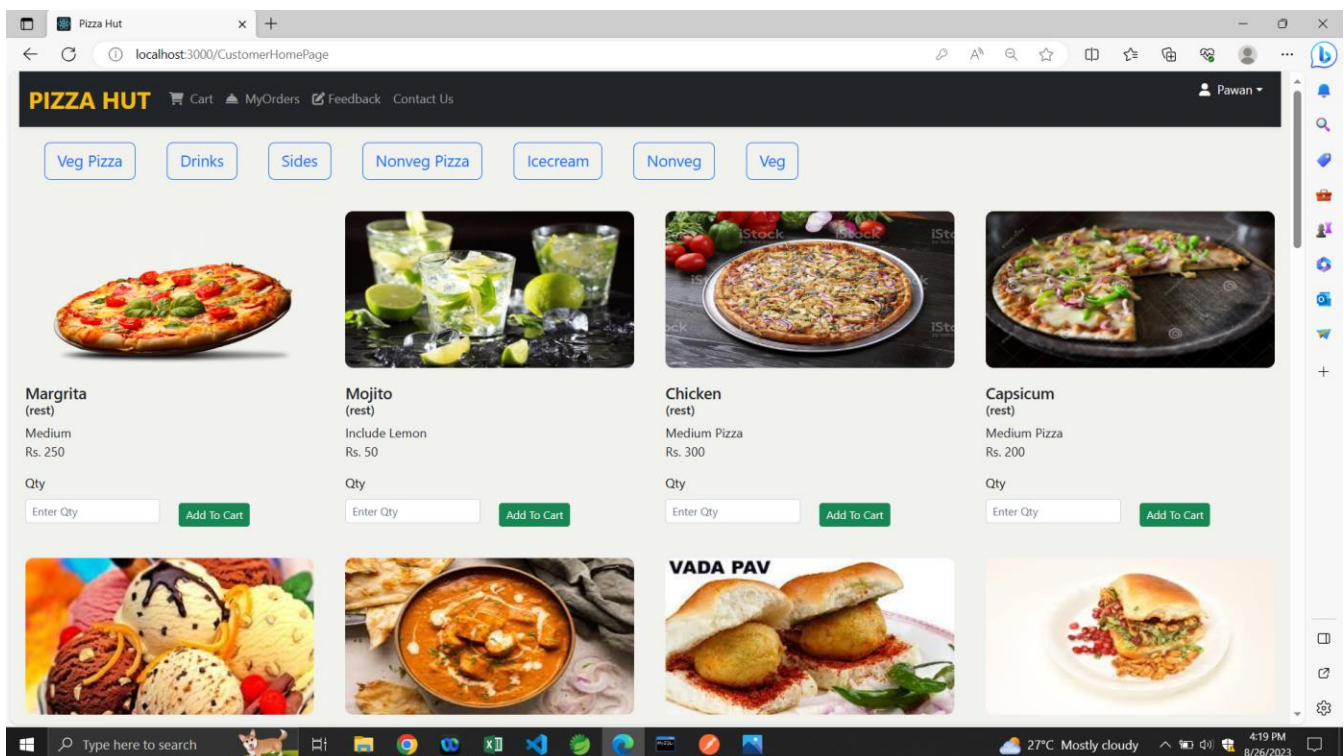
Email

Password
Min 8 characters

Confirm Password

Add Restaurant

CUSTOMER HOMEPAGE



CUSTOMER ORDERS

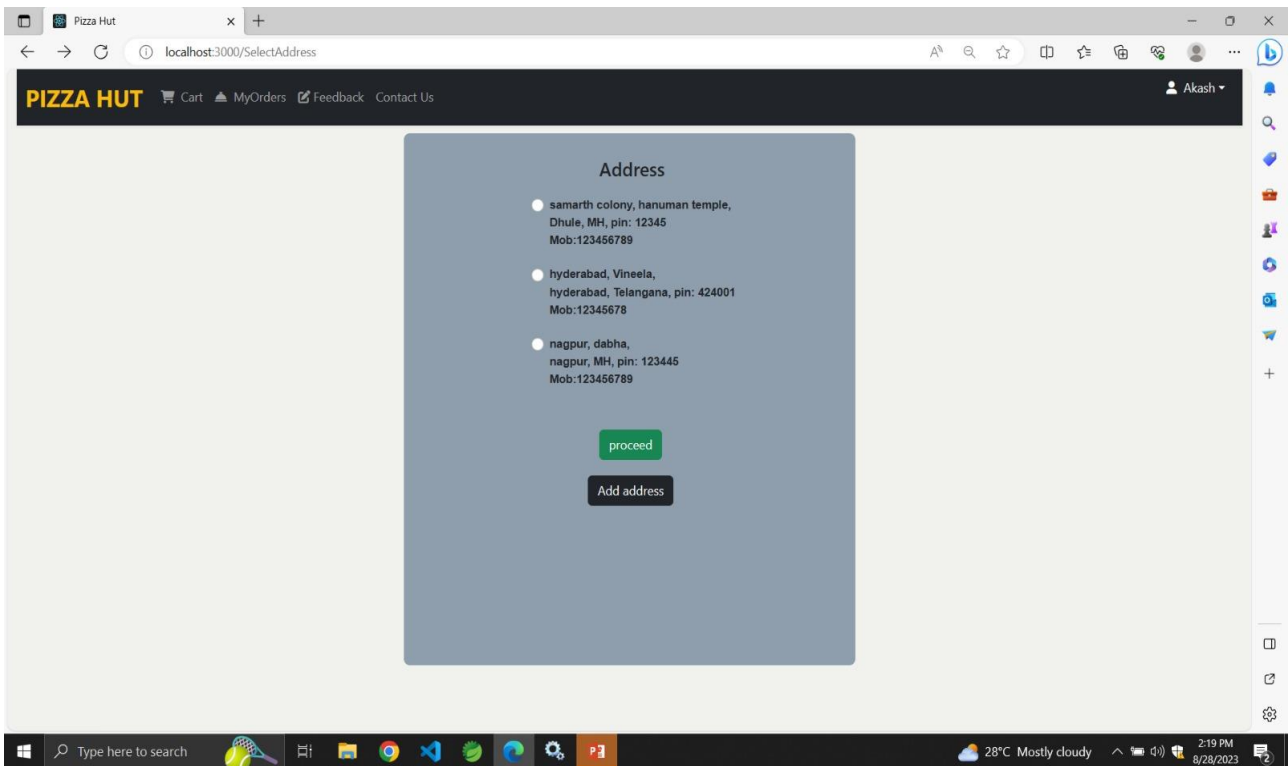
Details	Total Bill	Order status	Pay status
Cappuccino-1 Zero-Sugar-2 Cold-Coffee-2 Lime Juice-4 Mango Juice-1 Idali-Sambar-1 Mendu-Vada-1	505	READY	COMPLETED
Vadapav-2	50	PLACED	COMPLETED
Farmhouse-1 Icecream-1 Chicken-1 Mojito-1	1300	PACKING	COMPLETED

CUSTOMER CART

Menu Name	Qty	Price	Total	Action
Order total : 0 + Rs.50 (delivery charge)				

proceed

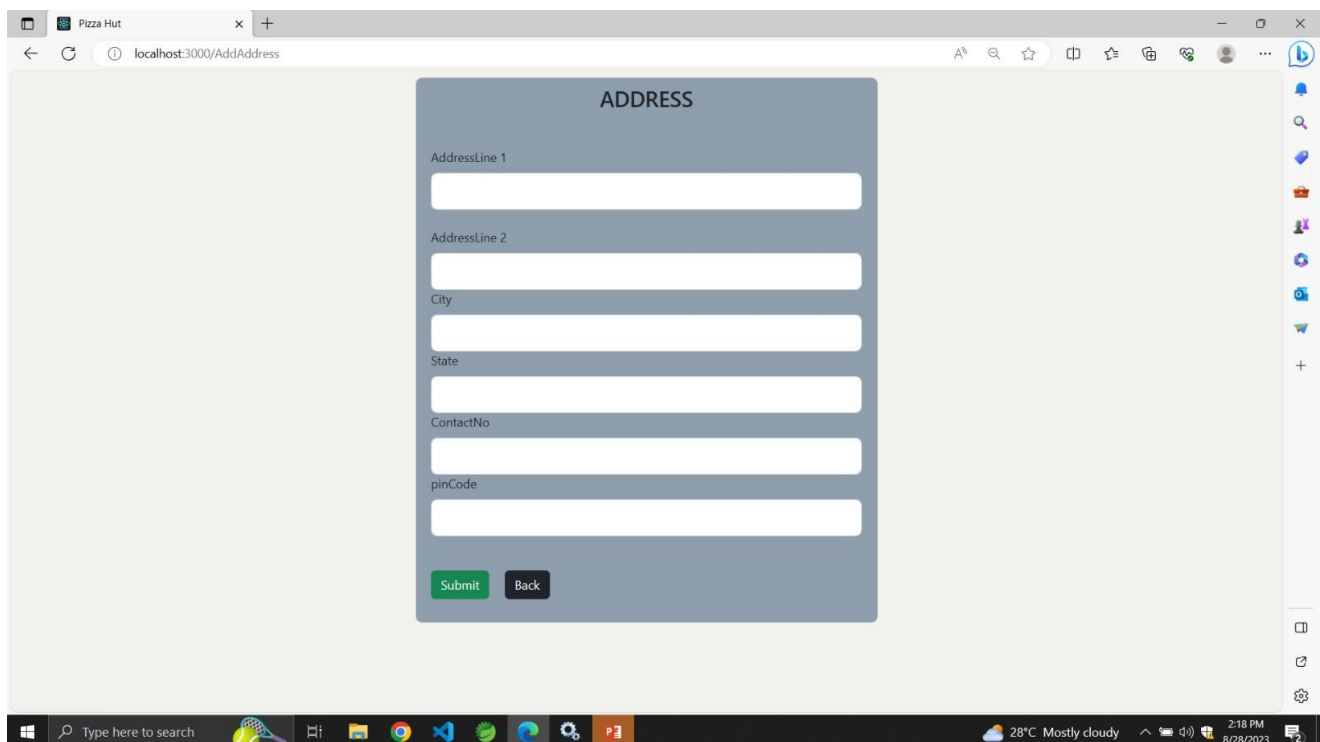
Back

****CUSTOMER ADDRESS****

The screenshot shows a web browser window with the URL `localhost:3000/SelectAddress`. The page features a dark header with the "PIZZA HUT" logo and navigation links: Cart, MyOrders, Feedback, and Contact Us. A user profile "Akash" is logged in. The main content area is a light blue box titled "Address" containing three radio button options:

- ☐ samarth colony, hanuman temple, Dhule, MH, pin: 12345 Mob:123456789
- ☐ hyderabad, Vineela, hyderabad, Telangana, pin: 424001 Mob:12345678
- ☐ nagpur, dabha, nagpur, MH, pin: 123445 Mob:123456789

Below the options are two buttons: a green "proceed" button and a dark grey "Add address" button. The Windows taskbar at the bottom shows the time as 2:19 PM on 8/28/2023.

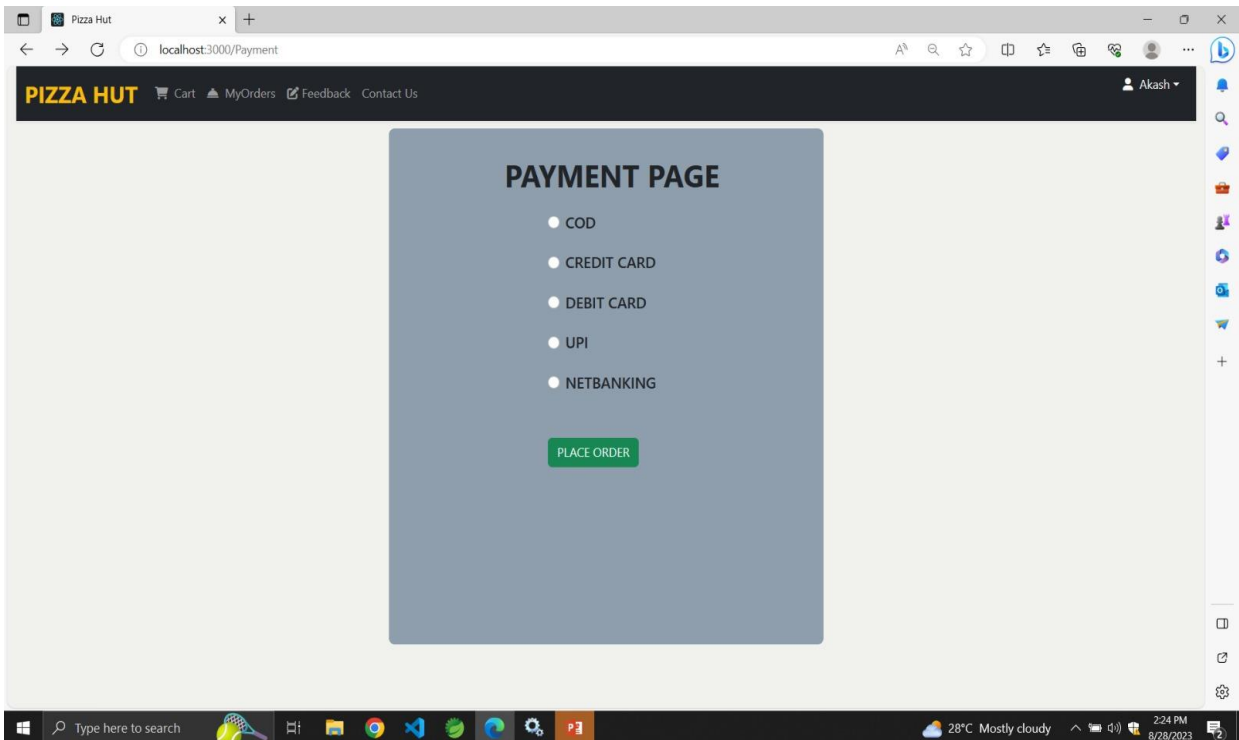
****CUSTOMER ADD ADDRESS****

The screenshot shows a web browser window with the URL `localhost:3000/AddAddress`. The page features a dark header with the "PIZZA HUT" logo and navigation links: Cart, MyOrders, Feedback, and Contact Us. A user profile "Akash" is logged in. The main content area is a light blue box titled "ADDRESS" containing several input fields:

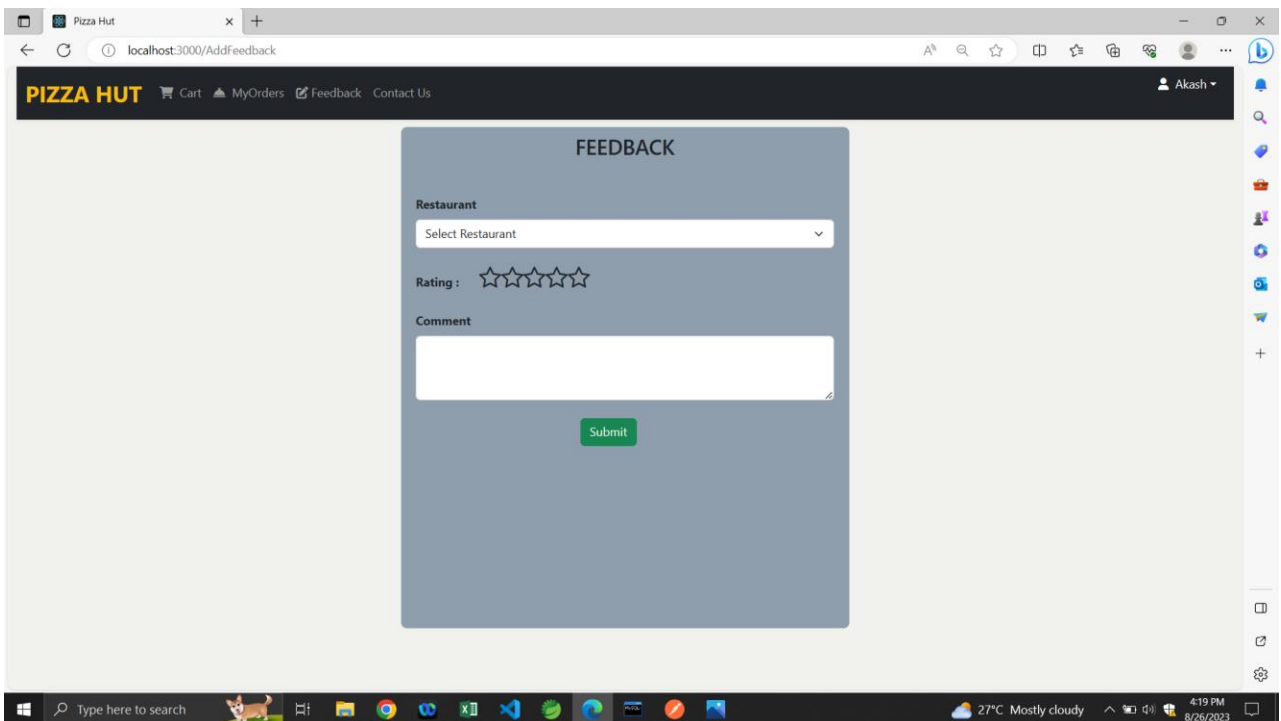
- AddressLine 1
- AddressLine 2
- City
- State
- ContactNo
- pinCode

Below the input fields are two buttons: a green "Submit" button and a dark grey "Back" button. The Windows taskbar at the bottom shows the time as 2:18 PM on 8/28/2023.

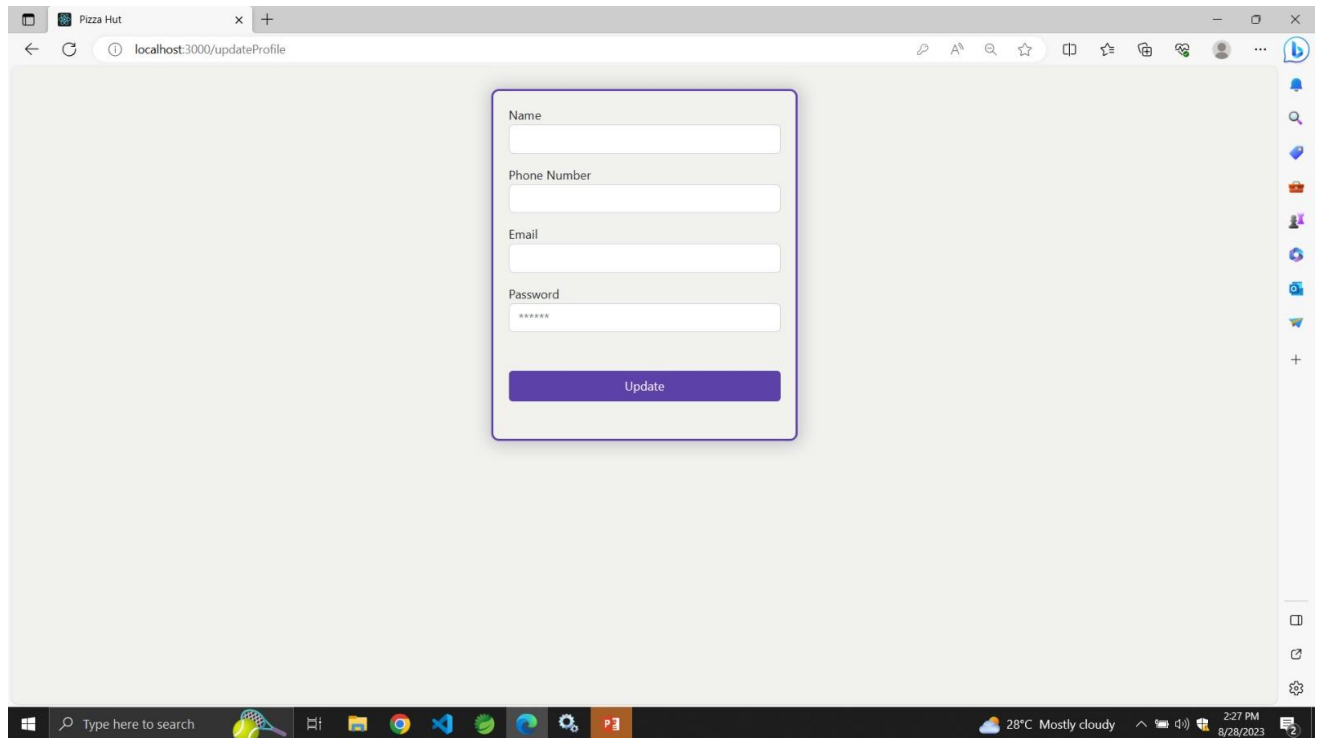
****PAYMENT****



****FEEDBACK****



****UPDATE PROFILE****



The screenshot displays a web browser window with the address bar showing 'localhost:3000/updateProfile'. The browser's title bar indicates 'Pizza Hut'. The main content area features a light gray background with a central white form box. This form contains four labeled input fields: 'Name', 'Phone Number', 'Email', and 'Password'. The 'Password' field is masked with six asterisks. Below these fields is a solid purple button labeled 'Update'. The browser's right sidebar shows various extension icons, and the Windows taskbar at the bottom displays the search bar, application icons, and system status information including '28°C Mostly cloudy' and the date '8/28/2023'.

Name

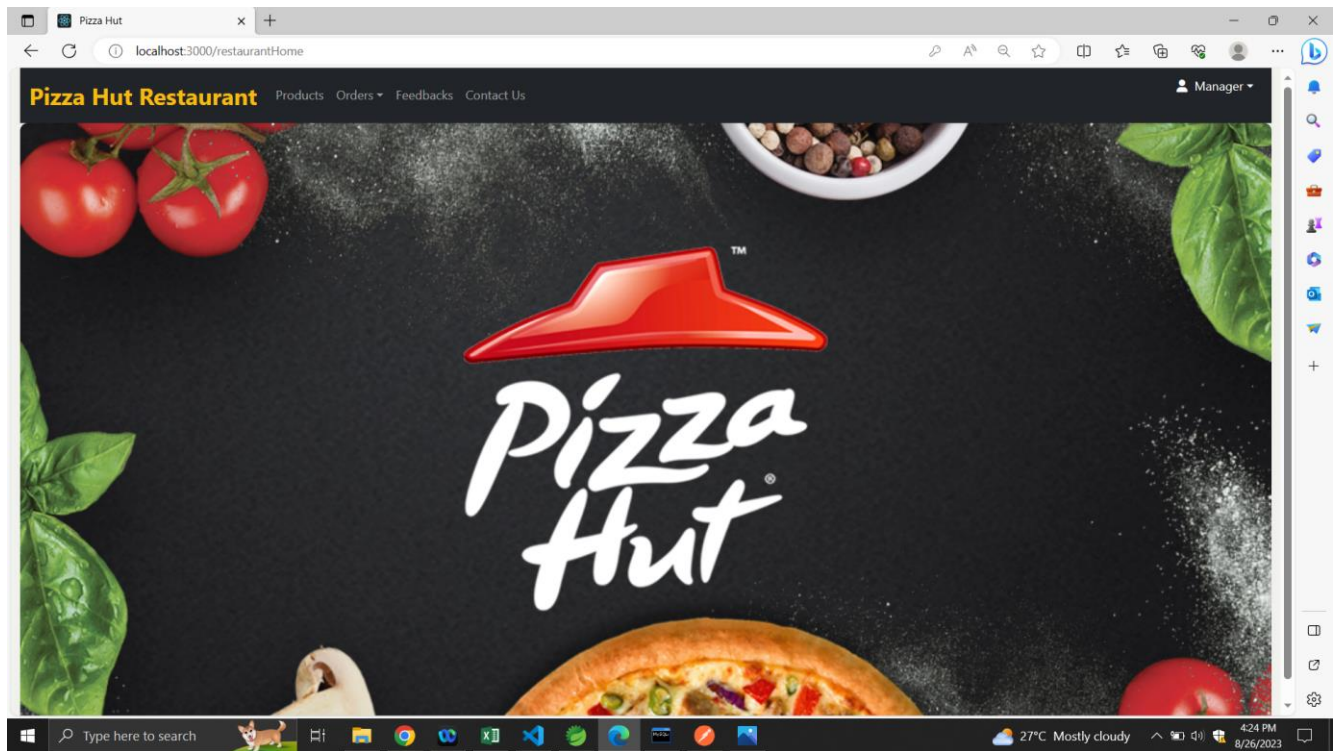
Phone Number

Email

Password

Update

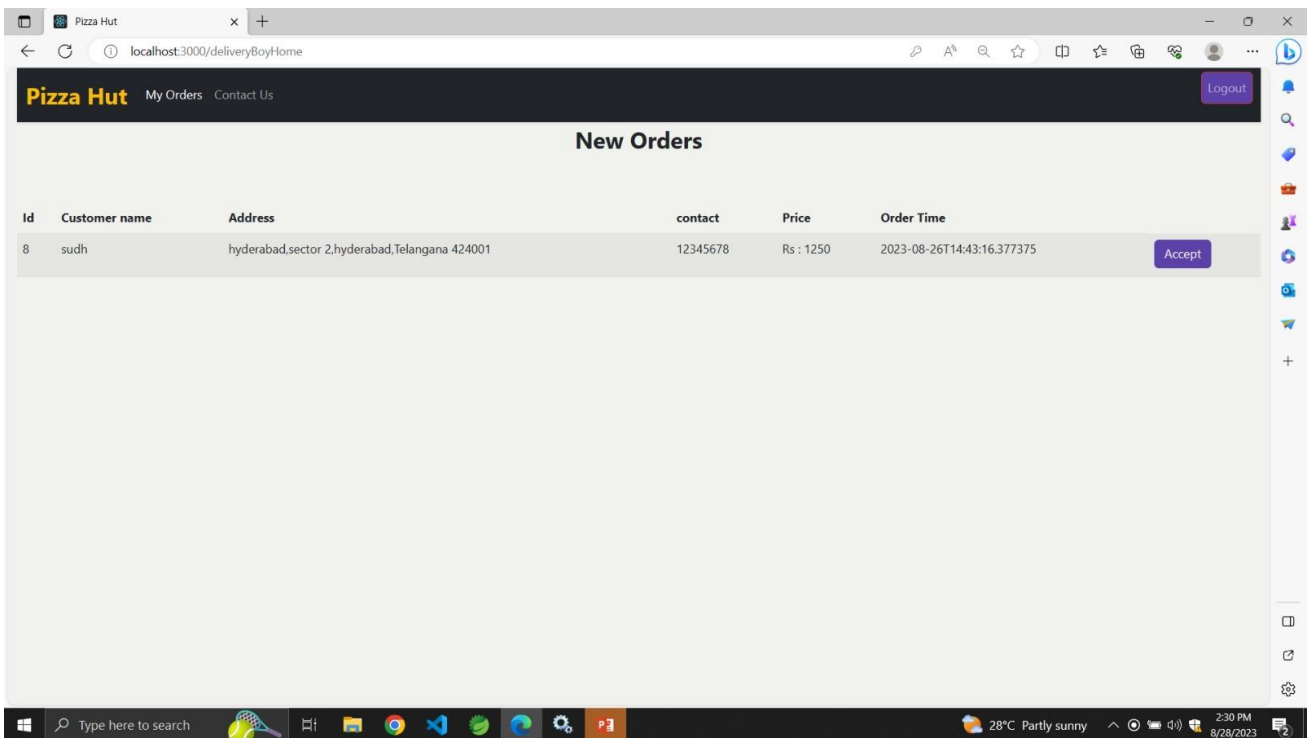
RESTAURANT HOME PAGE



ACCEPTED ORDERS

The screenshot shows the Pizza Hut Restaurant Accepted Orders page. The page displays a table of accepted orders with columns for Id, Customer name, Address, contact, product, Quantity, Order Time, and Status. Each row includes a 'select' dropdown and an 'Update' button.

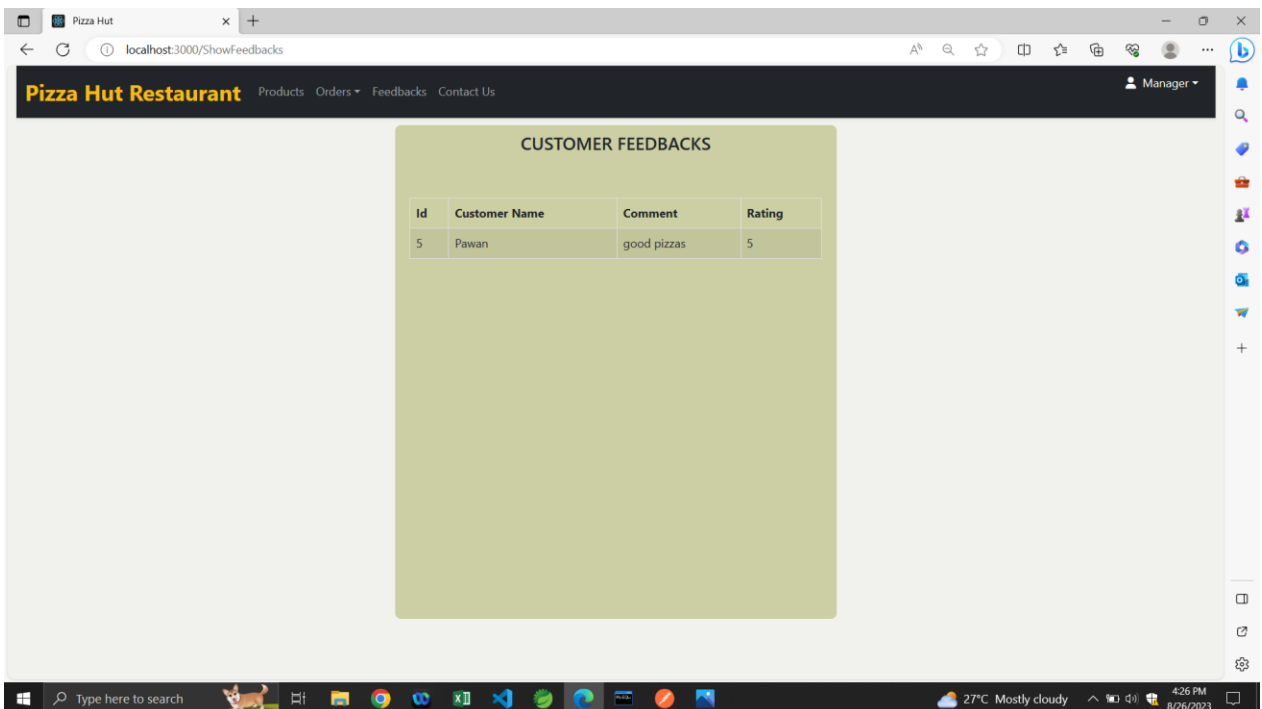
Id	Customer name	Address	contact	product	Quantity	Order Time	Status
12	Pritish	nagpur,dabha,nagpur,MH 123445	123456789	Pepsi	1	2023-08-26T15:58:19.488611	READY
11	Akash	hyderabad,Vineela,hyderabad,Telangana 424001	12345678	Mango Juice	1	2023-08-26T15:56:34.417943	READY
11	Akash	hyderabad,Vineela,hyderabad,Telangana 424001	12345678	Idali-Sambar	1	2023-08-26T15:56:34.417943	READY
11	Akash	hyderabad,Vineela,hyderabad,Telangana 424001	12345678	Mendu-Vada	1	2023-08-26T15:56:34.417943	READY
11	Akash	hyderabad,Vineela,hyderabad,Telangana 424001	12345678	Cold-Coffee	2	2023-08-26T15:56:34.417943	READY
11	Akash	hyderabad,Vineela,hyderabad,Telangana 424001	12345678	Zero-Sugar	2	2023-08-26T15:56:34.417943	READY
11	Akash	hyderabad,Vineela,hyderabad,Telangana 424001	12345678	Cappuccino	1	2023-08-26T15:56:34.417943	READY
11	Akash	hyderabad,Vineela,hyderabad,Telangana 424001	12345678	Lime Juice	4	2023-08-26T15:56:34.417943	READY

****NEW ORDERS****

The screenshot shows a web browser window with the URL `localhost:3000/deliveryBoyHome`. The page header includes the Pizza Hut logo, navigation links for "My Orders" and "Contact Us", and a "Logout" button. The main heading is "New Orders". Below it is a table with the following data:

Id	Customer name	Address	contact	Price	Order Time	
8	sudh	hyderabad.sector 2,hyderabad,Telangana 424001	12345678	Rs : 1250	2023-08-26T14:43:16.377375	<button>Accept</button>

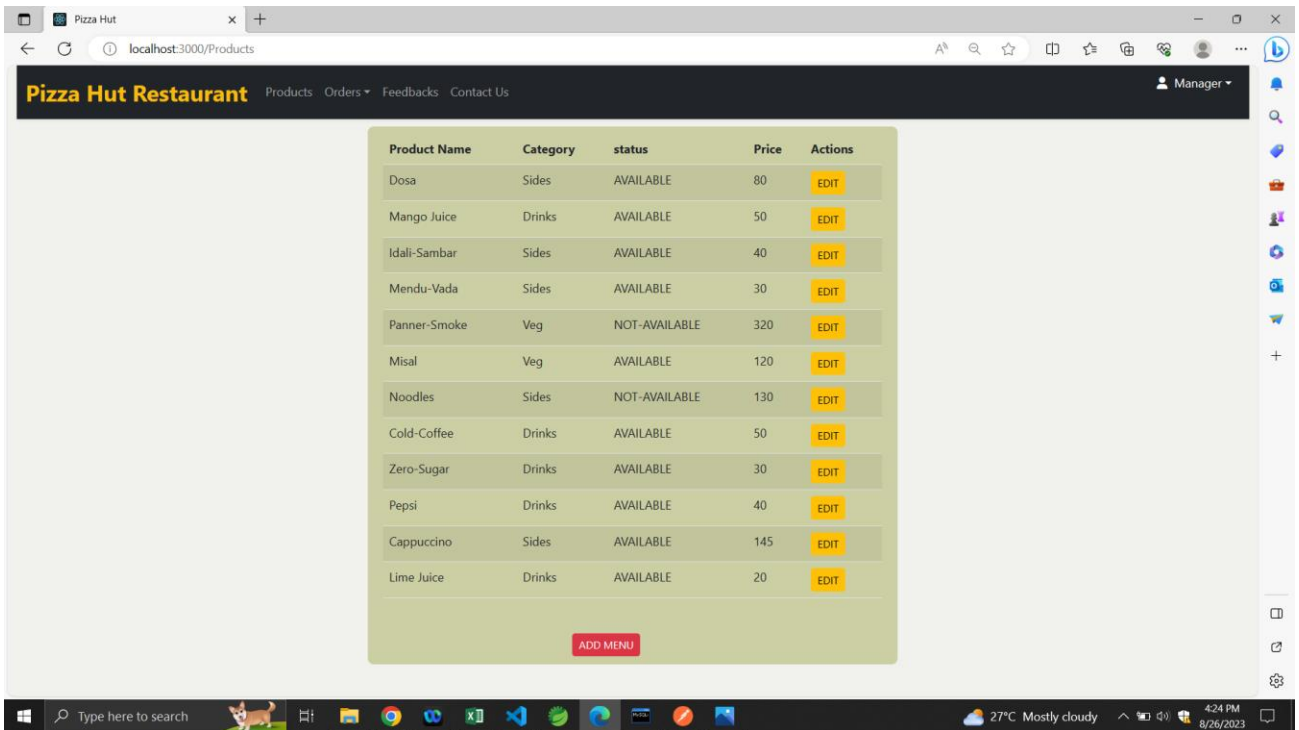
The browser's taskbar at the bottom shows the Windows search bar, several application icons, and system information: 28°C Partly sunny, 2:30 PM, 8/28/2023.

****FEEDBACK LIST****

The screenshot shows a web browser window with the URL `localhost:3000/ShowFeedbacks`. The page header includes the "Pizza Hut Restaurant" logo, navigation links for "Products", "Orders", "Feedbacks", and "Contact Us", and a "Manager" dropdown menu. The main heading is "CUSTOMER FEEDBACKS". Below it is a table with the following data:

Id	Customer Name	Comment	Rating
5	Pawan	good pizzas	5

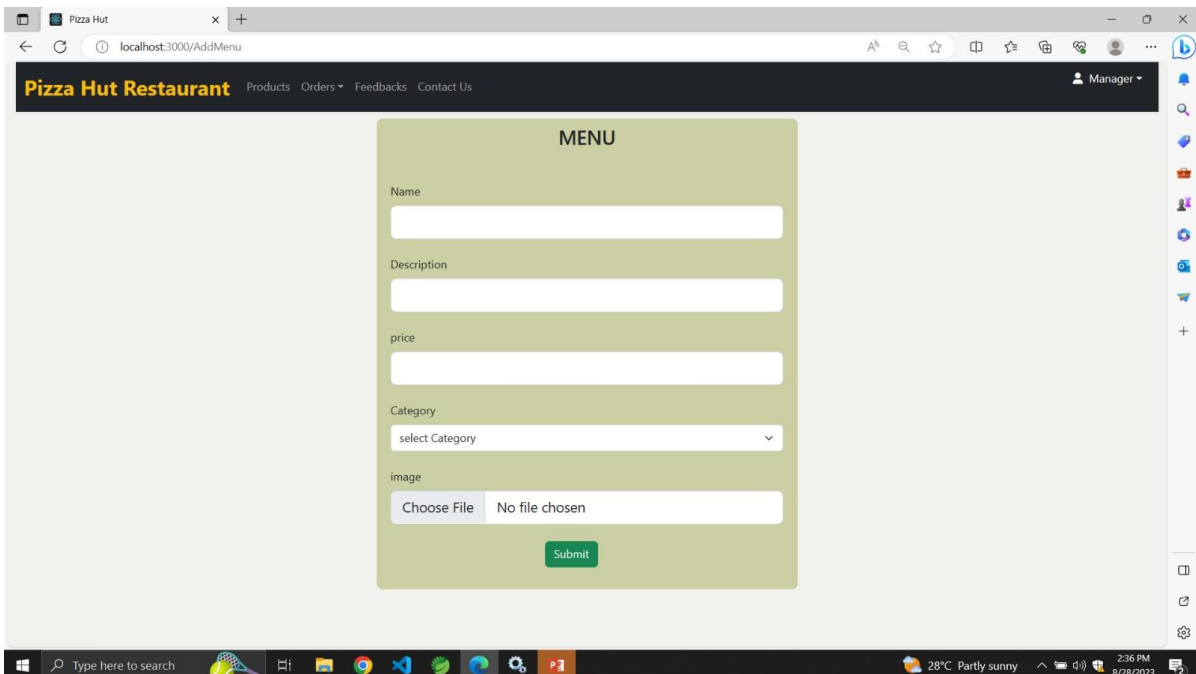
The browser's taskbar at the bottom shows the Windows search bar, several application icons, and system information: 27°C Mostly cloudy, 4:26 PM, 8/26/2023.

****PRODUCTS****

The screenshot shows a web browser window with the URL `localhost:3000/Products`. The page header for "Pizza Hut Restaurant" includes links for Products, Orders, Feedbacks, and Contact Us, along with a Manager dropdown. The main content is a table listing various products with their categories, status, prices, and edit actions.

Product Name	Category	status	Price	Actions
Dosa	Sides	AVAILABLE	80	EDIT
Mango Juice	Drinks	AVAILABLE	50	EDIT
Idali-Sambar	Sides	AVAILABLE	40	EDIT
Mendu-Vada	Sides	AVAILABLE	30	EDIT
Panner-Smoke	Veg	NOT-AVAILABLE	320	EDIT
Misal	Veg	AVAILABLE	120	EDIT
Noodles	Sides	NOT-AVAILABLE	130	EDIT
Cold-Coffee	Drinks	AVAILABLE	50	EDIT
Zero-Sugar	Drinks	AVAILABLE	30	EDIT
Pepsi	Drinks	AVAILABLE	40	EDIT
Cappuccino	Sides	AVAILABLE	145	EDIT
Lime Juice	Drinks	AVAILABLE	20	EDIT

An "ADD MENU" button is located at the bottom of the table.

****ADD MENU****

The screenshot shows a web browser window with the URL `localhost:3000/AddMenu`. The page header is identical to the previous screenshot. The main content is a form titled "MENU" with fields for Name, Description, price, Category, and image, followed by a Submit button.

MENU

Name

Description

price

Category
select Category

image
Choose File No file chosen

Submit

****EDIT MENU****

Pizza Hut Restaurant Products Orders Feedbacks Contact Us Manager

MENU

Name

Description

price

Category
 select Category

image
 Choose File No file chosen

Submit




****CONTACT US****

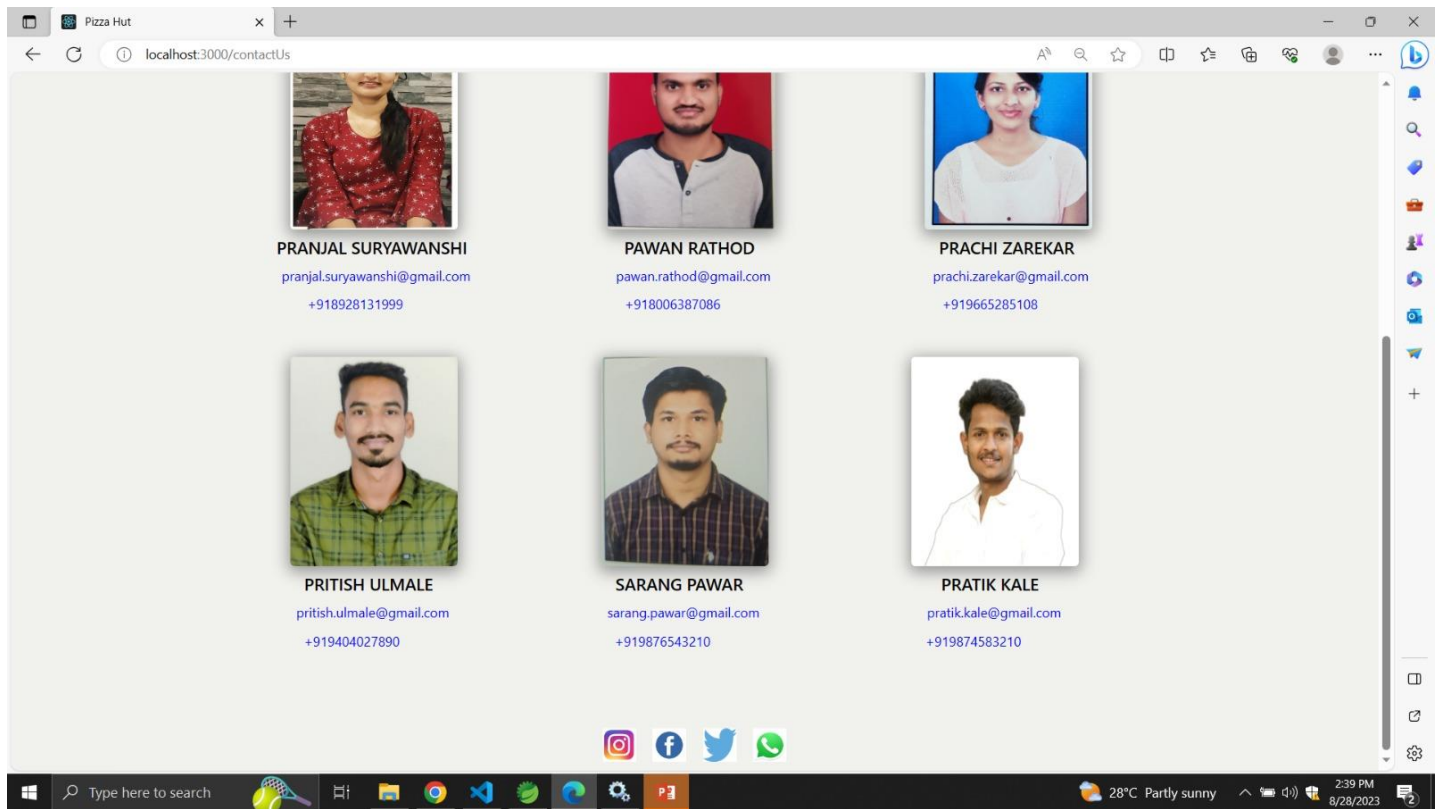
Pizza Hut

----- Thank you for choosing PizzaHut....! -----

This website can primarily be used for ordering pizza and other food items from the restaurant at nearby location . This is achieved through an easy to use graphical interface menu options. It is managed by the admin. Restaurants can list their available food menus. Users can add number of items to the cart. Different payment options are available to continue the order.Deliveryboy can view the order assigned and its corresponding address of delivery.

Contact Us

		
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+918928131999	+918006387086	+919665285108



TESTING

To build up our project we used software testing process for executing a program with the intent of finding error that is uncovering errors in a program makes it a feasible task and also trying to find the errors (whose presence is assumed) in a program. As it is a destructive process.

Types of testing we use in our project

Here we just mentioned that how the testing is related to this software and in which way we have test the software? In our project we have used five types of testing this are listed below –

UNIT TESTING –

Unit testing where individual program units or object class are tested here by using this testing we have focus on testing functionality of the methods.

MODULE TESTING–

Where this is the combination of unit program is called module. Here we tested unit program is where the module program have dependency.

SUB SYSTEM TESTING –

Then we combined some module for the preliminary system testing in our project.

SYSTEM TESTING –

Where it is combination of two or more sub system and then it is tested here we tested the entire system a per requirement.

ACCEPTANCE TESTING –

Normally this type of testing is done to verify if system meets the customer specified requirements. After submitting this project to the user then they tested and to determine whether to accept the application. It is the system of testing performed by the customer to determine where they should accept the delivery of system.

CONCLUSION

Currently small and medium scale restaurants don't have synchronization between their task and customer.

By making Online Pizza delivery system we have solved the problem from Pizza store and customer end and more convenience is added to the existing system.

In future scope this system will be available with large scale database and can accommodate many customers and restaurants.

This system can also be developed on mobile application so that it can be access remotely.