

A PROJECT ON ONLINE FOOD ORDERING & DELIVERY SYSTEM

SUBMITTED IN

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



**SUNBEAM INSTITUTE OF INFORMATION
TECHNOLOGY**
Pune

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CERTIFICATE

This is to certify that the project work under the title 'Online Food Ordering & Delivery System' is done by Mr. Pagar Kalpesh, Mr. Hodge Pankaj, Mr. Navale Raviraj, Mr. Kate Omkar in partial fulfillment of the requirement for award of Diploma in Advanced Computing Course.

Project Guide

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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. Nitin Kudale (Center Coordinator, SIIT, Pune) and Mr. Yogesh Kolhe (Course Coordinator, SIIT ,Pune) .

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 Sunbeam Institute of Information Technology, Pune for their support.

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SIIT Pune

ABSTRACT

This Online Food Delivery project will basically be an easy to use web application that will allow customers to easily purchase and order food items 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 food delivery system, it discussed about ordering food items from listed restaurants justlike from vendors like `Zomato` and `Swiggy`. 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 Food Delivery System” project is an attempt to stimulate the basic concepts of food 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 food items. If user want to buy food items he must have registered account.

The system shows the food items that are available. The system displays price, image and quantity of food items 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 food items 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 food items more effectively than the existing system. There are some disadvantages of the existing food shopping system . These disadvantages are overcome by the Online Food Shopping System. And it can be made handily available to every person. Previously people have to go to restaurants and purchase the food items and bring that food items to home is very frustrating task as we waste so much time in it like in traffic or queue at restaurants. Thus Online Food 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 food items 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 food items 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 food items 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

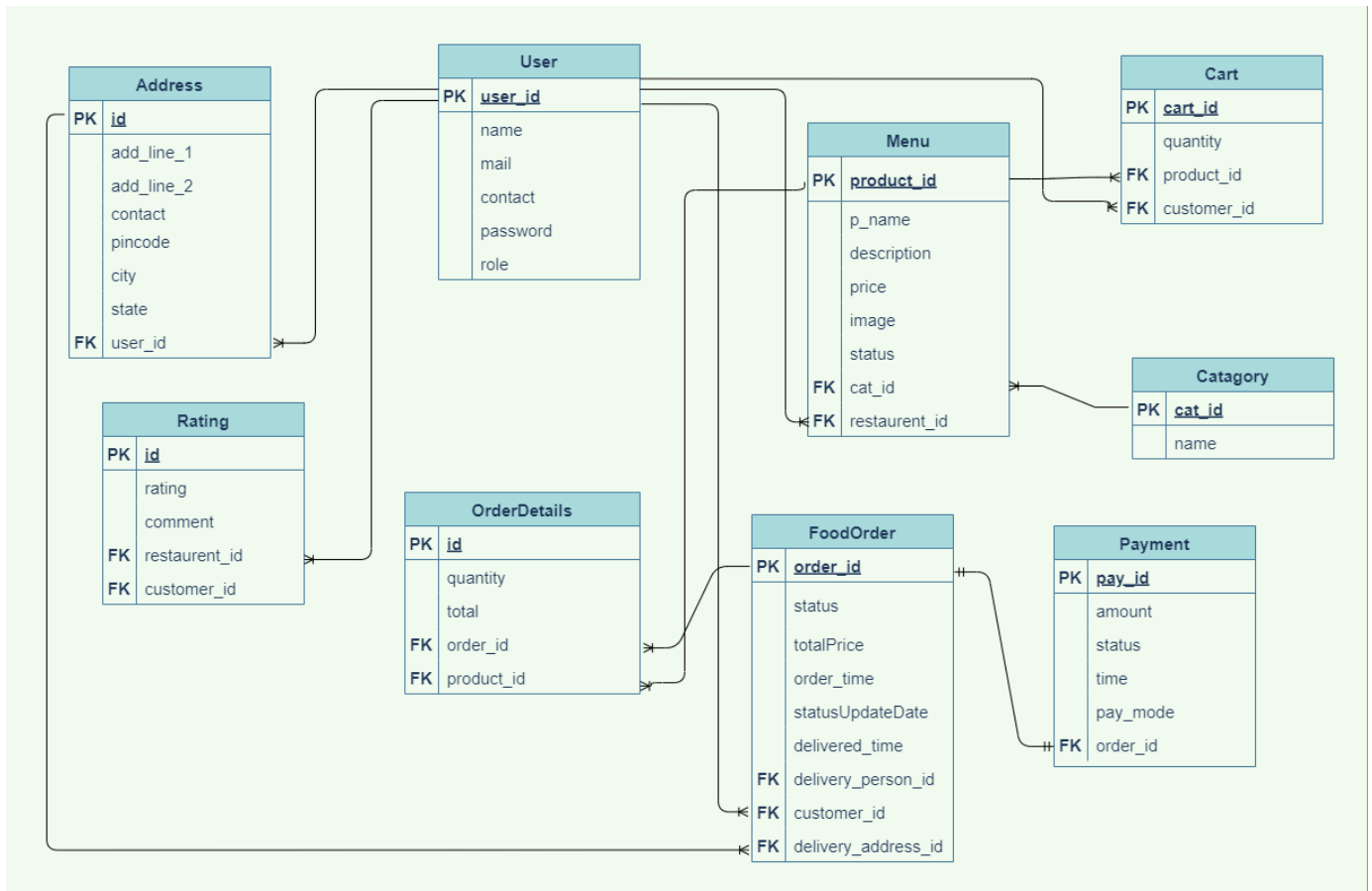
The major functionality of this project is divided into four categories.

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

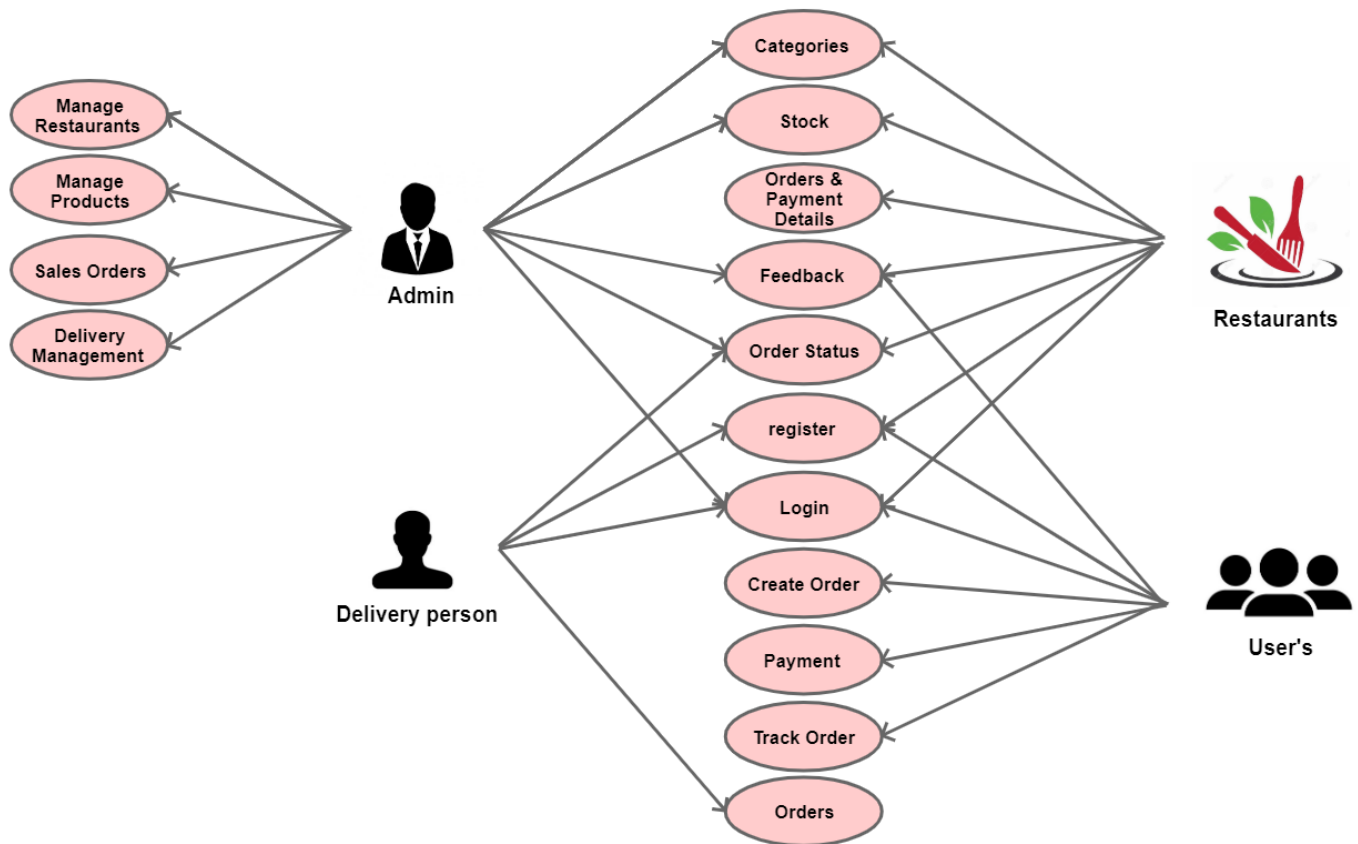
In this application each and every user must have their own Email ID and Password, using these Email ID and Password only they can directly enter into their corresponding Login forms.

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	

Food_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

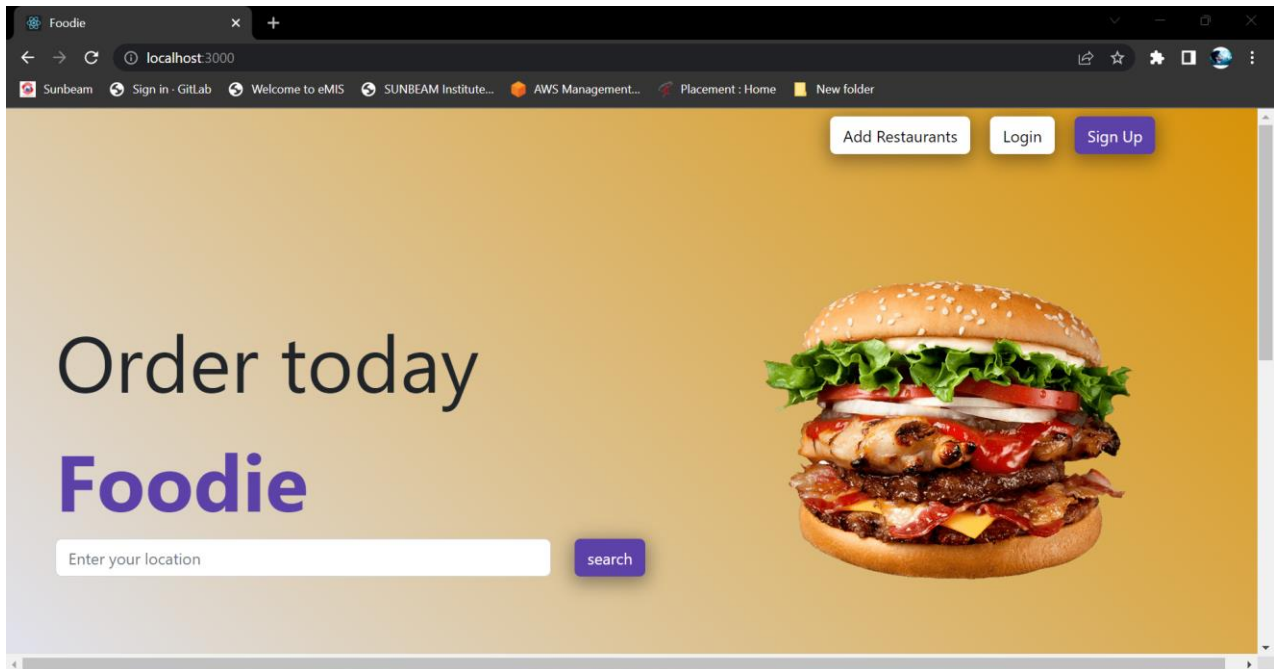
Field	Type	Null	Key	Default	Extra
id	int	No	PRI	NULL	auto_increment
comment	Varchar	Yes		NULL	
rating	int	Yes		NULL	
customer_id	int	No	MUL	NULL	
rest_id	int	No	MUL	NULL	

Order_Details

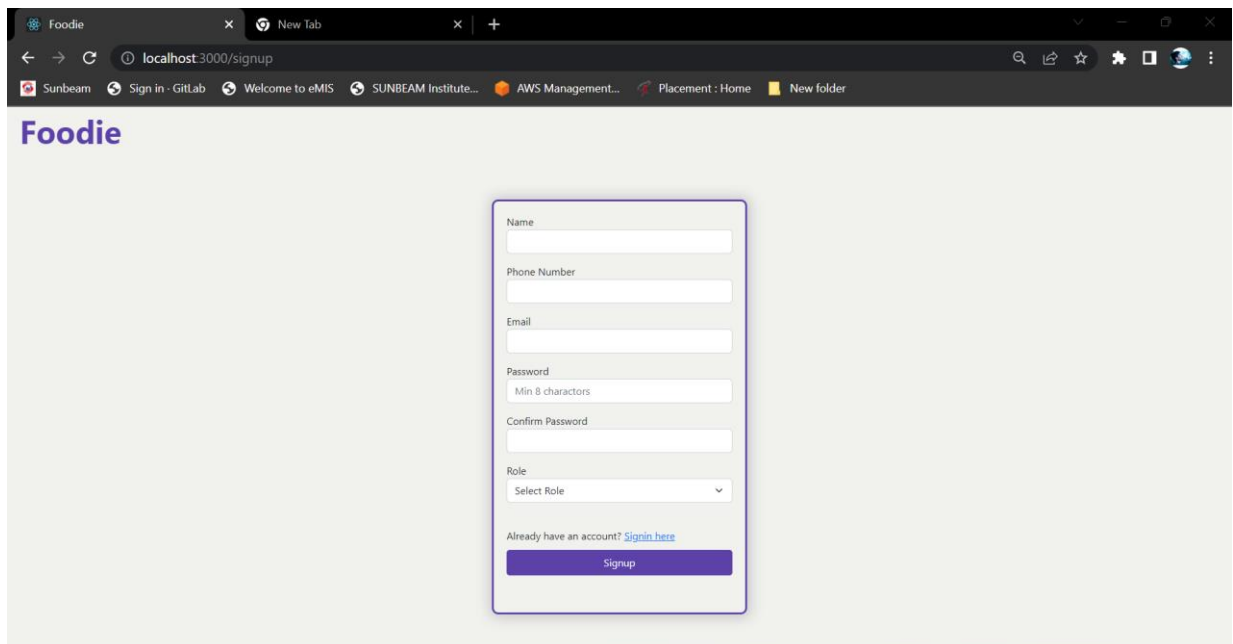
Field	Type	Null	Key	Default	Extra
id	int	No	PRI	NULL	auto_increment
total	double	No		NULL	
quantity	int	No		NULL	
order_id	int	No	MUL	NULL	
product_id	int	No	MUL	NULL	

PROJECT SCREENSHOTS

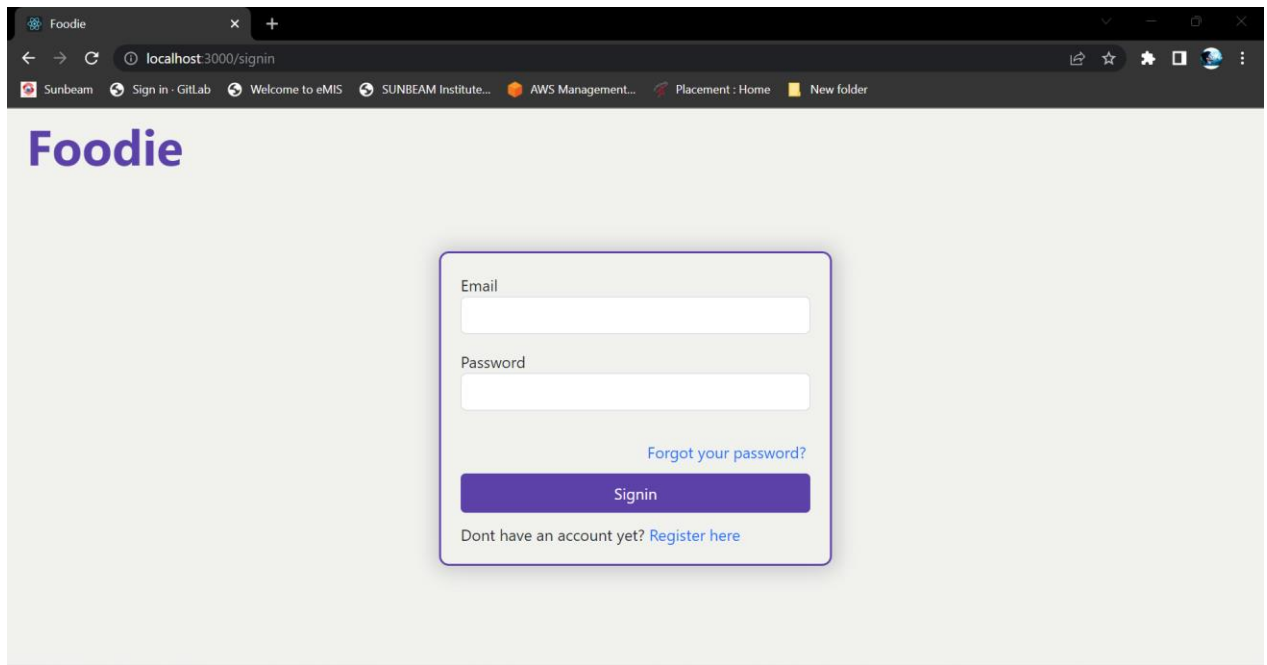
HOME PAGE



SIGN UP PAGE

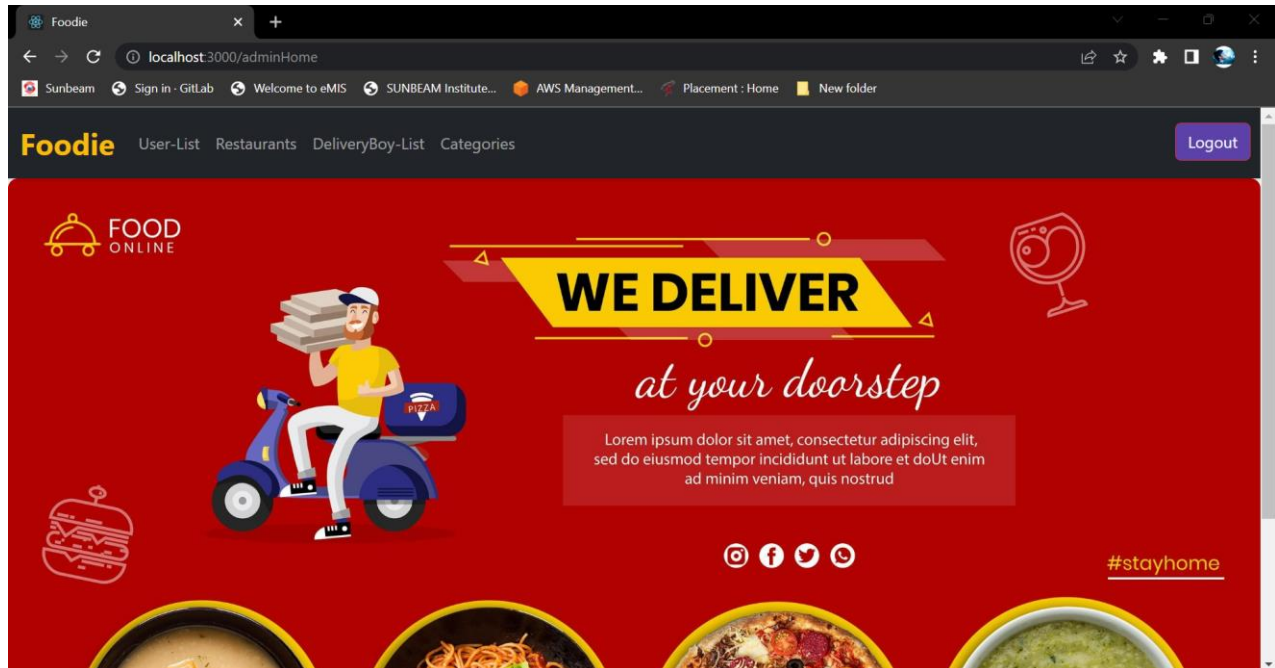
A screenshot of a web browser displaying the 'Foodie' sign-up page. The browser's address bar shows 'localhost:3000/signup'. The page has a light gray background. The 'Foodie' logo is in the top left corner. A white sign-up form is centered on the page, outlined with a thin purple border. The form contains the following fields: 'Name', 'Phone Number', 'Email', 'Password' (with a hint 'Min 8 characters'), 'Confirm Password', and a 'Role' dropdown menu with the text 'Select Role'. Below the form, there is a link that says 'Already have an account? [Signin here](#)' and a purple 'Signup' button. The browser's tab bar shows several open tabs, including 'Sunbeam', 'Sign in - GitLab', 'Welcome to eMIS', 'SUNBEAM Institute...', 'AWS Management...', 'Placement : Home', and 'New folder'.

LOGIN PAGE



The screenshot shows a web browser window with the title 'Foodie'. The address bar displays 'localhost:3000/signin'. The browser's tab bar shows several open tabs: 'Sunbeam', 'Sign in · GitLab', 'Welcome to eMIS', 'SUNBEAM Institute...', 'AWS Management...', 'Placement : Home', and 'New folder'. The main content area of the browser has a light gray background. In the top left corner of this area, the word 'Foodie' is written in a large, bold, purple font. Centered on the page is a white login form with a thin purple border and a subtle drop shadow. The form contains the following elements: an 'Email' label above a white input field; a 'Password' label above another white input field; a blue link 'Forgot your password?' positioned to the right of the password field; a solid purple button with the text 'Signin' in white; and a line of text at the bottom that reads 'Dont have an account yet? [Register here](#)'.

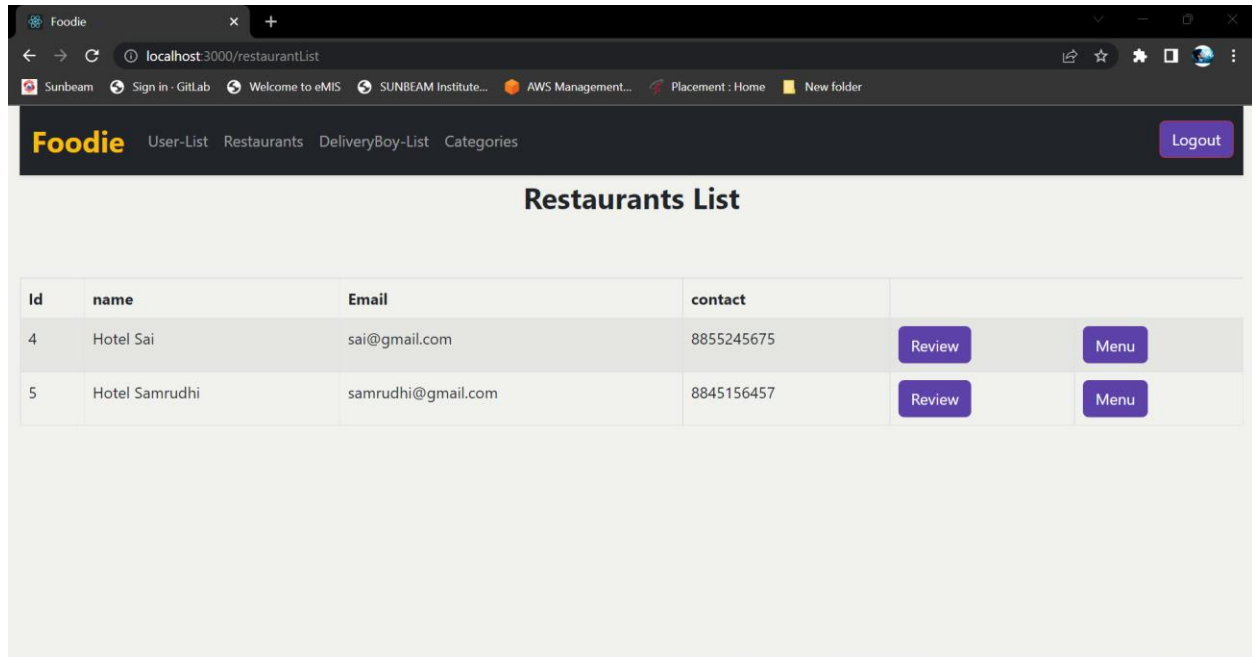
ADMIN HOMEPAGE



CUSTOMERS LIST

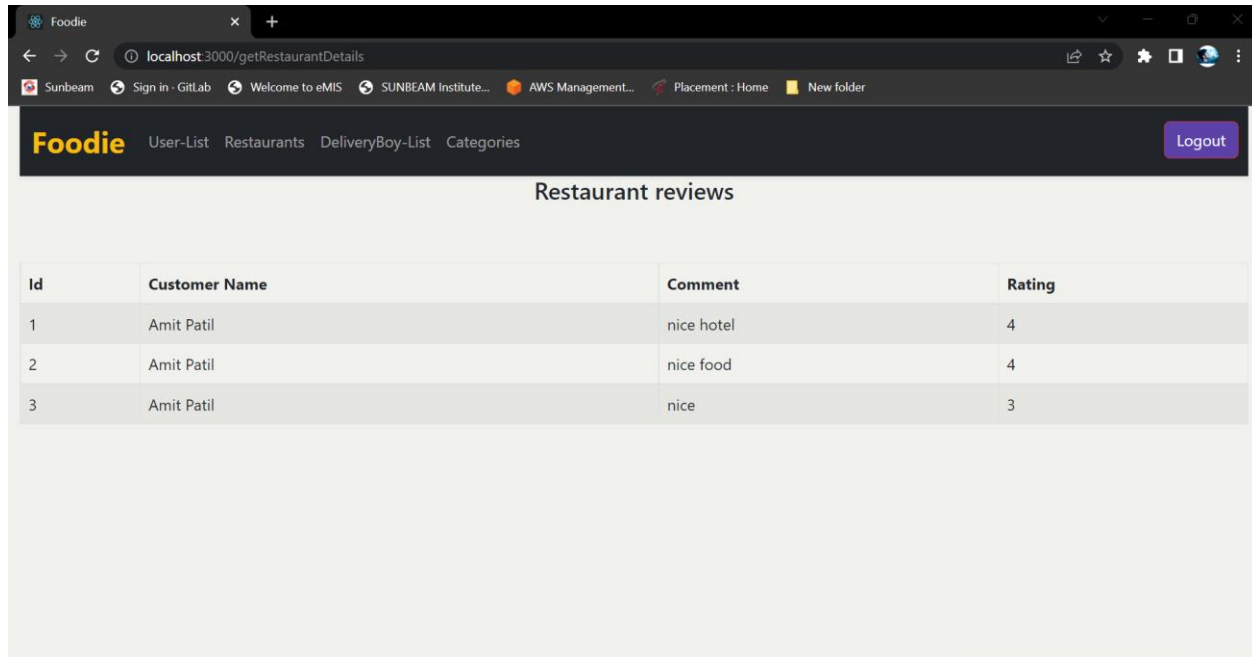
Id	name	Email	contact
2	Amit Patil	amit@gmail.com	9954261575
6	Sushant Mule	sushant@gmail.com	9821452671
7	Saurabh gaikwad	saurabh@gmail.com	7782564567

RESTAURANTS LIST



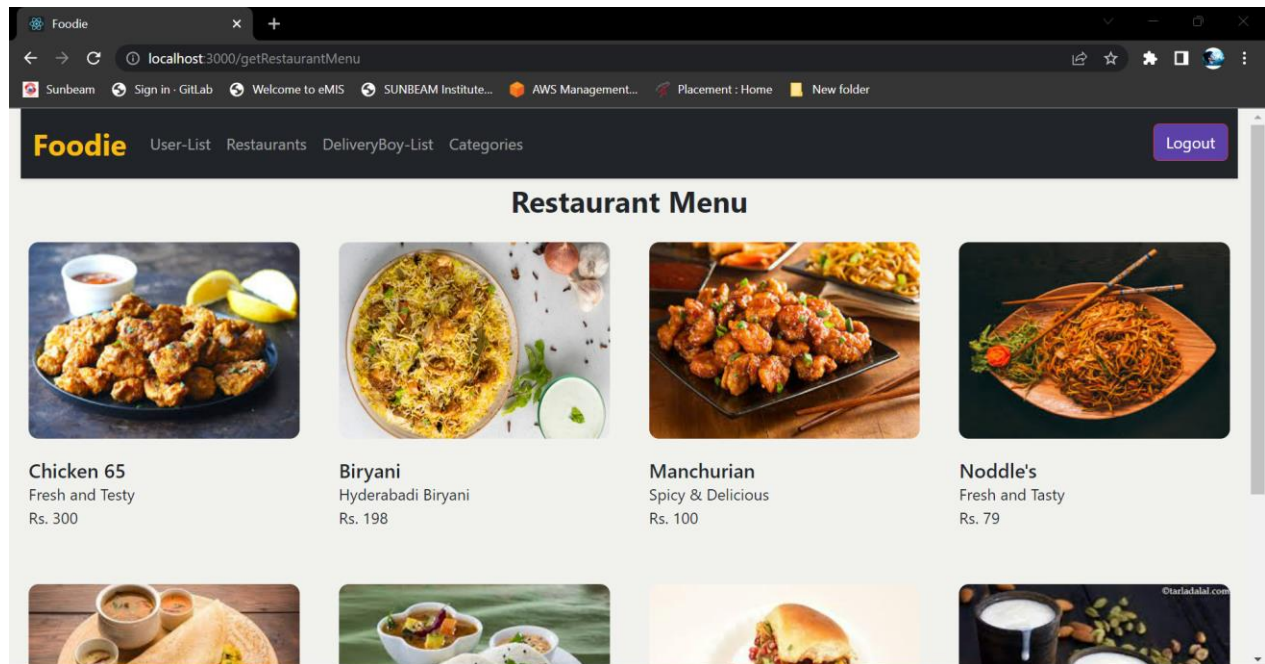
Id	name	Email	contact		
4	Hotel Sai	sai@gmail.com	8855245675	Review	Menu
5	Hotel Samrudhi	samrudhi@gmail.com	8845156457	Review	Menu

RESTAURANT REVIEWS



Id	Customer Name	Comment	Rating
1	Amit Patil	nice hotel	4
2	Amit Patil	nice food	4
3	Amit Patil	nice	3

RESTAURANT MENU



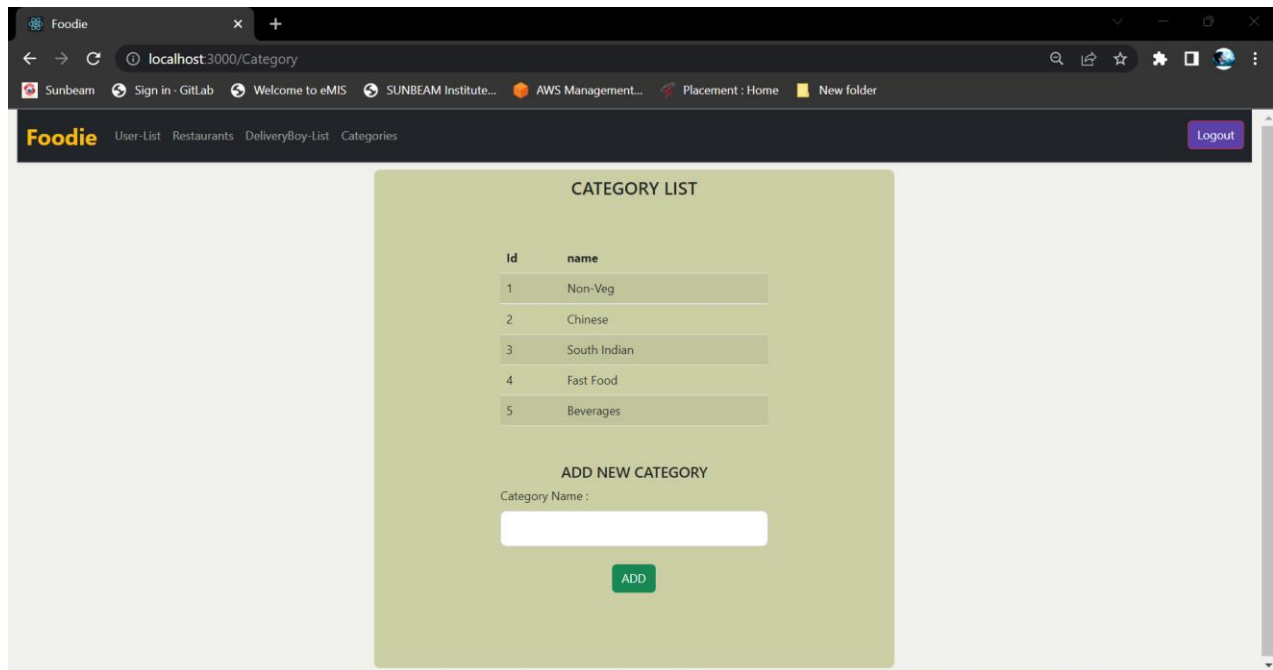
DELIVERYBOY LIST

Foodie User-List Restaurants DeliveryBoy-List Categories [Logout](#)

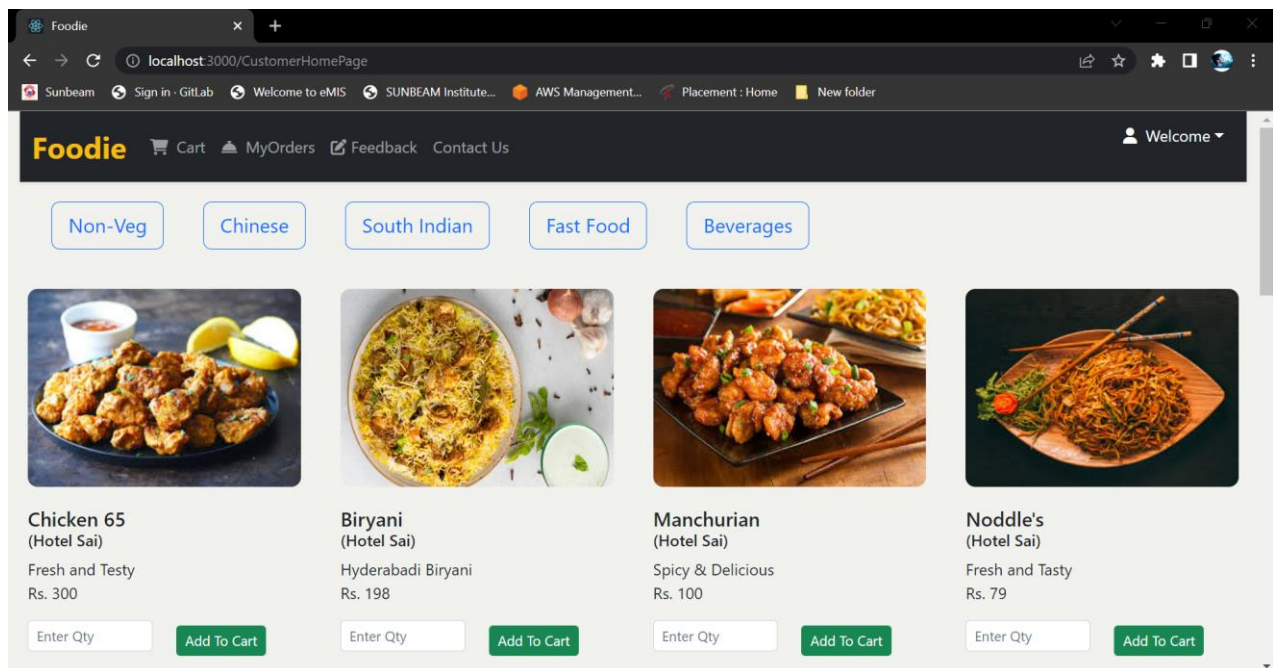
DeliveryBoy List

Id	name	Email	contact
3	Niranjan Chavan	niranjan2000@gmail.com	7058421585
8	Akash Barge	akash@gmail.com	9943567656
9	Rohit Marathe	rohit@gmail.com	7787656765

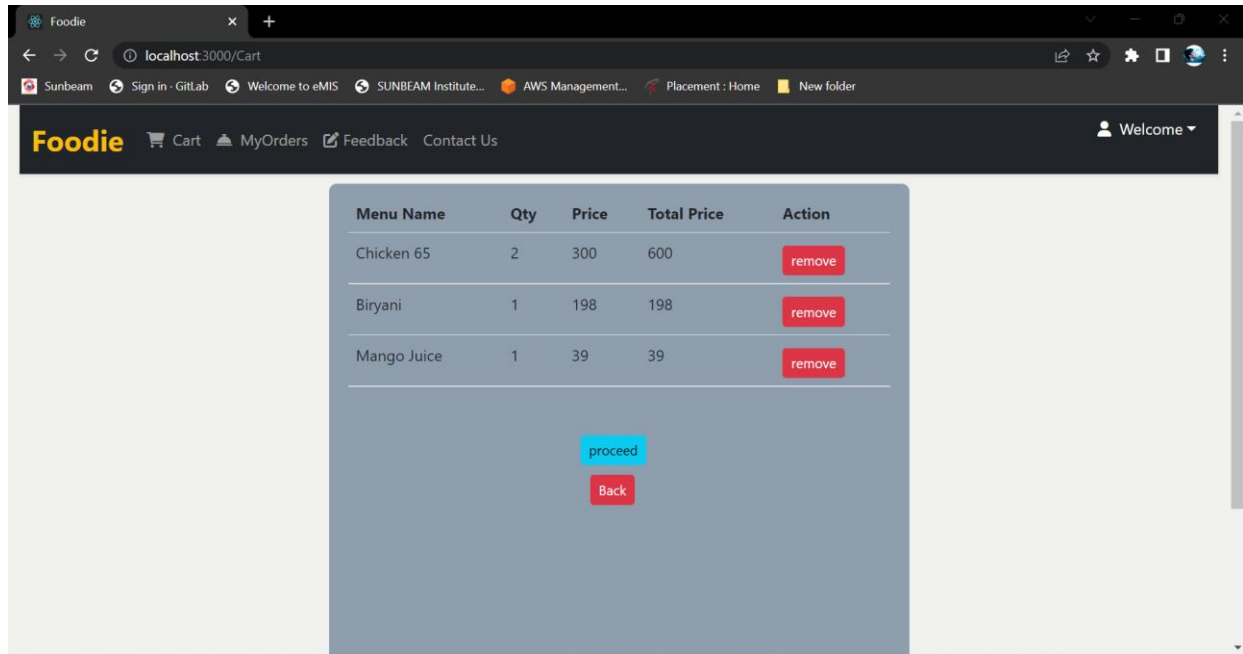
CATEGORY



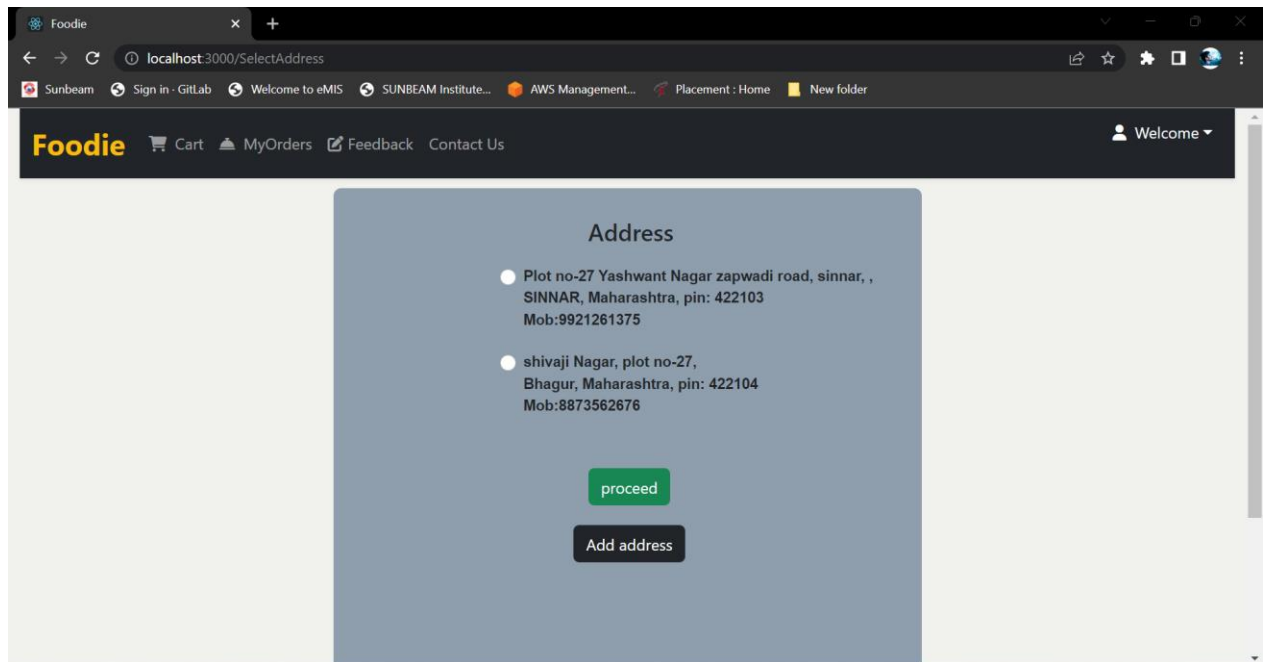
CUSTOMER HOMEPAGE



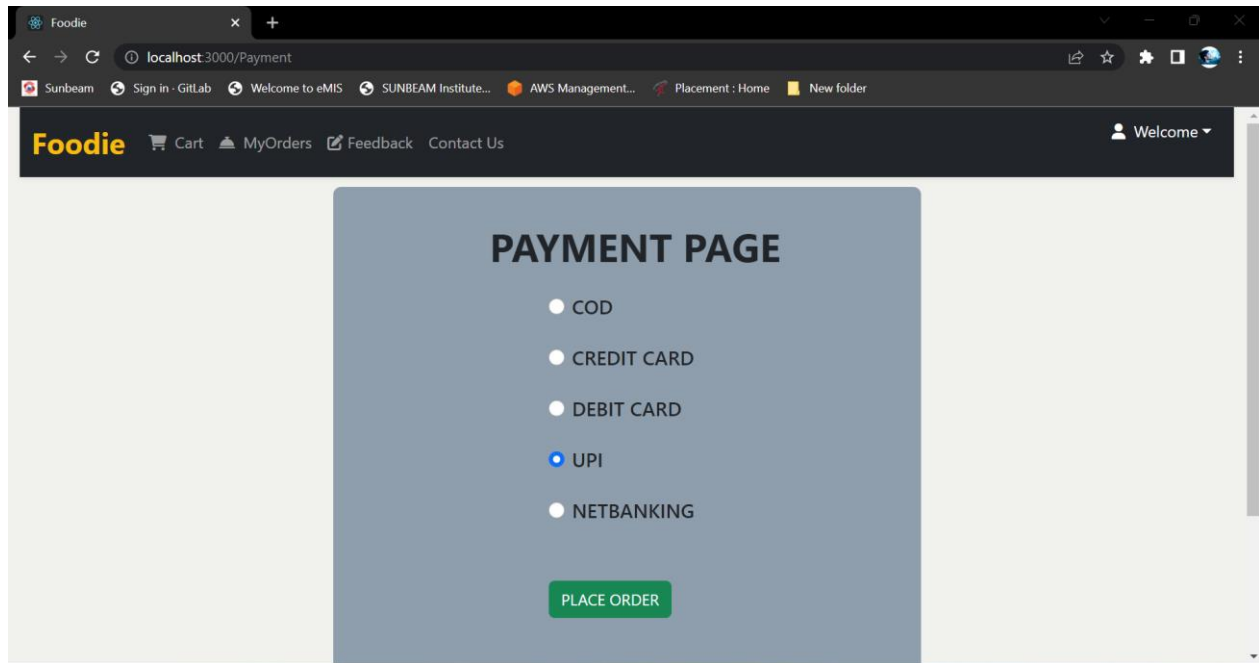
ADD TO CART



ADD ADDRESS



PAYMENT METHODS

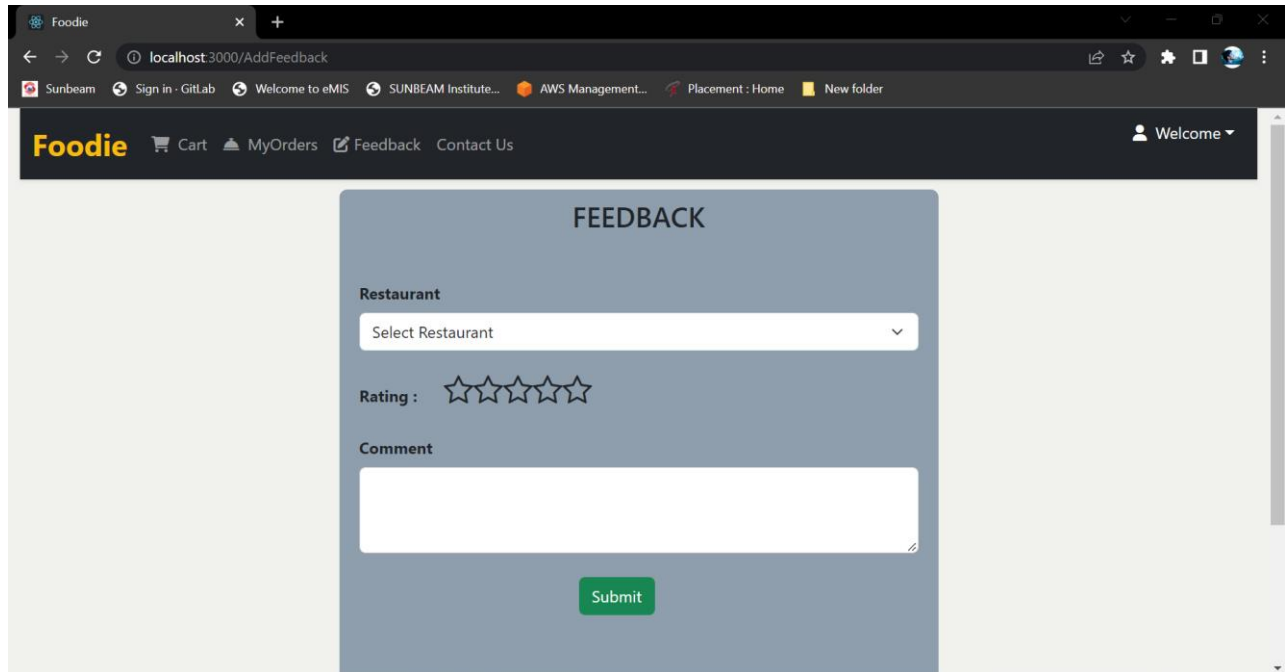


MY ORDER DETAILS

The screenshot shows a web browser window with the URL `localhost:3000/MyOrders?paymentMode=UPI`. The page has the same dark header as the previous screenshot. The main content area is a light blue box containing a table with 8 rows of order details.

Details	Total Bill	Order status	Pay status
Chicken 65-2 Biryani-1 Mango Juice -1	837	PLACED	COMPLETED
Manchurian-2	200	PLACED	COMPLETED
Chicken 65-2 Biryani-1 Lussi-1	836	PLACED	COMPLETED
Manchurian-1	100	PLACED	COMPLETED
Chicken 65-1	300	ACCEPTED	COMPLETED
Chicken 65-4	1200	DELIVERED	COMPLETED
Chicken 65-2	600	OUT_FOR_DELIVERY	COMPLETED
Chicken 65-1	300	DELIVERED	COMPLETED

FEEDBACK PAGE



The screenshot shows a web browser window with the address bar displaying 'localhost:3000/AddFeedback'. The browser's tab is labeled 'Foodie'. The page's header is dark with the 'Foodie' logo in yellow, and navigation links for 'Cart', 'MyOrders', 'Feedback', and 'Contact Us'. A 'Welcome' dropdown menu is on the right. The main content area has a light gray background. A central blue-gray box is titled 'FEEDBACK' and contains a form with three sections: 'Restaurant' with a dropdown menu showing 'Select Restaurant'; 'Rating' with five empty star icons; and 'Comment' with a large text input area. A green 'Submit' button is at the bottom of the form.

Foodie

Cart MyOrders Feedback Contact Us

Welcome

FEEDBACK

Restaurant

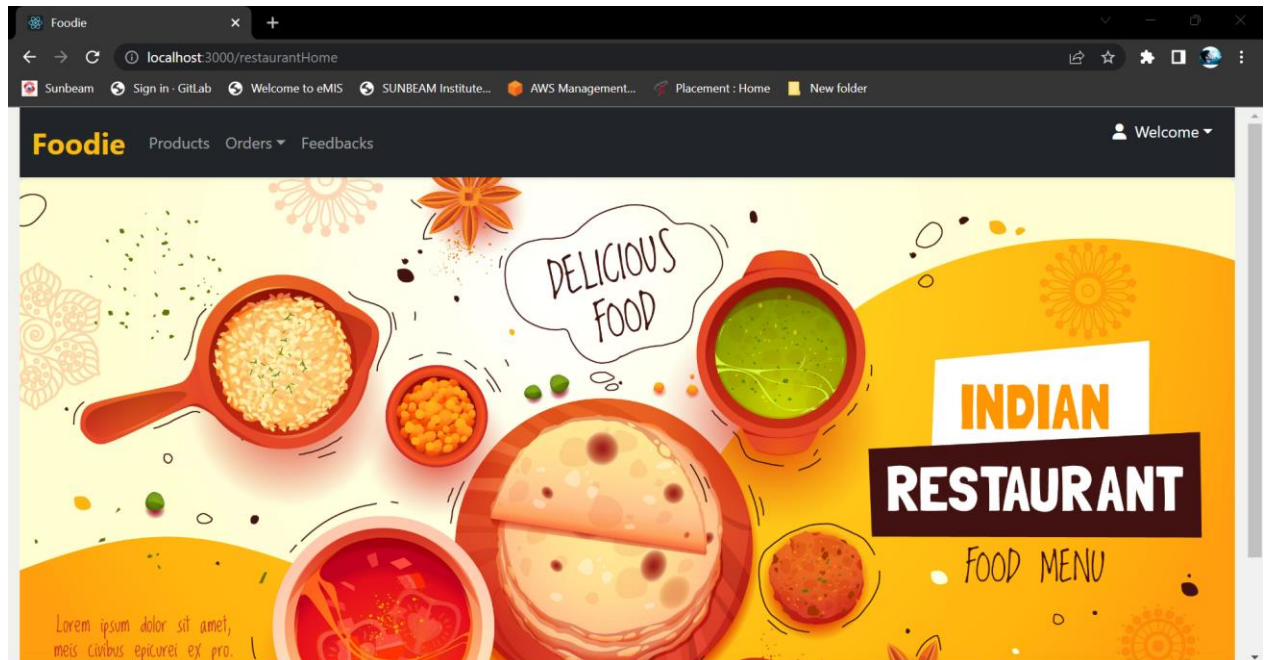
Select Restaurant

Rating : ☆☆☆☆☆

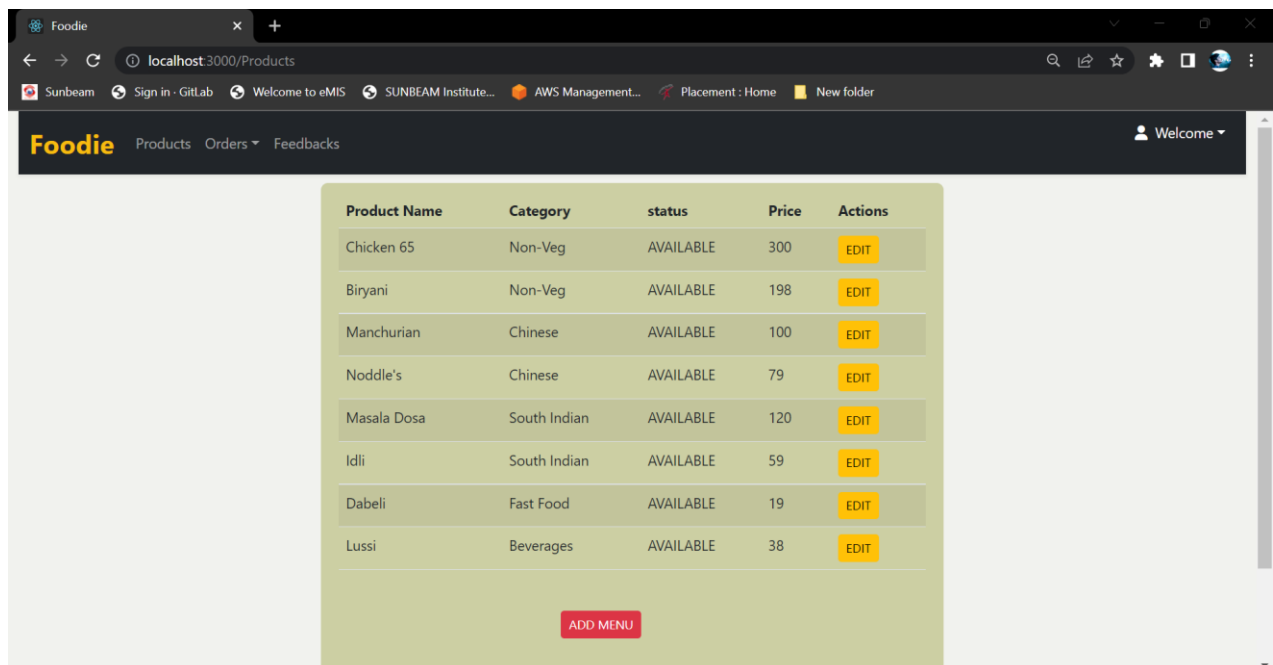
Comment

Submit

RESTAURANT HOMEPAGE



ADD/EDIT MENU



ARRIVED ORDERS

Id	Customer name	Address	contact	product	Quantity	Order Time	Status
5	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Manchurian	1	2022-09-24T11:42:14.335698	PLACED
6	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Chicken 65	2	2022-09-24T12:25:37.115227	PLACED
6	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Biryani	1	2022-09-24T12:25:37.115227	PLACED
6	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Lussi	1	2022-09-24T12:25:37.115227	PLACED
7	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Manchurian	2	2022-09-24T15:57:54.002137	PLACED
8	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Chicken 65	2	2022-09-28T18:29:11.641694	PLACED
8	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Biryani	1	2022-09-28T18:29:11.641694	PLACED

ACCEPTED ORDERS

Id	Customer name	Address	contact	product	Quantity	Order Time	Status
4	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Chicken 65	1	2022-09-21T09:57:44.662094	ACCEPTED
3	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Chicken 65	4	2022-09-21T09:47:53.286998	DELIVERED
2	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Chicken 65	2	2022-09-19T12:01:49.336853	OUT_FOR_DELIVERY
1	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Chicken 65	1	2022-09-19T10:57:28.126927	DELIVERED

UPDATE ORDERS STAUS

Accepted Orders

Id	Customer name	Address	contact	product	Quantity	Order Time	Status
4	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Chicken 65	1	2022-09-21T09:57:44.662094	ACCEPTED
3	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Chicken 65	4	2022-09-21T09:47:53.286998	DELIVERED
2	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Chicken 65	2	2022-09-19T12:01:49.336853	OUT_FOR_DELIVERY
1	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Chicken 65	1	2022-09-19T10:57:28.126927	DELIVERED

SHOWING CUSTOMER FEEDBACKS

CUSTOMER FEEDBACKS

Id	Customer Name	Comment	Rating
1	Amit Patil	nice hotel	4
2	Amit Patil	nice food	4
3	Amit Patil	nice	3

DELIVER BOY HOME

Foodie My Orders [Logout](#)

New Orders

Id	Customer name	Address	contact	Price	Order Time	
9	Sushant Mule	laxmi Nagar,zapwadi road,shanit,maharashtra 422105	7865676567	Rs : 299	2022-09-28T22:36:23.898416	Accept
4	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Rs : 300	2022-09-21T09:57:44.662094	Accept

DELIVER BOY - UPDATE STATUS

Foodie My Orders [Logout](#)

Accepted Orders

Id	Customer name	Address	contact	Price	Payment Status	Order Time	status	
3	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Rs : 1250	COMPLETED	2022-09-21T09:47:53.286998	DELIVERED	<div>select</div> <div> select Out_for_Delivery Delivered Cancelled </div> <div>Update</div>
2	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Rs : 650	COMPLETED	2022-09-19T12:01:49.336853	OUT_FOR_DELIVERY	<div>select</div> <div>Update</div>
1	Amit Patil	Plot no-27 Yashwant Nagar zapwadi road, sinnar,,SINNAR,Maharashtra 422103	9921261375	Rs : 350	COMPLETED	2022-09-19T10:57:28.126927	DELIVERED	<div>select</div> <div>Update</div>

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 food delivery system we have solved the problem from food 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.