INSTITUTE FOR ADVANCED COMPUTING AND SOFTWARE DEVELOPMENT AKURDI, (IACSD) PUNE.

Documentation On

"**ZykaExpress**"

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Submitted By :

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1. INTRODUCTION.

Introduction:

This online food portal is the one stop web application which enables restaurants to showcase their cuisines online, customers to browse through the portal and order the food.Portal provide user with easy, personalized web-interface for facilitating access to restaurant information and food services that are of primary relevance and interests to the users. ZykaExpress food Portal is nothing but a portal which thinks customers as the main target users and provides so many useful services to customers at a single place. It helps to deliver various cuisine from various restaurant to customers with the help of delivery person.

Problem Statement:

There are many problems found in the today's food portal system. The problems created in the existing system enforced us to develop the new system which minimize the problem of the existing system. The problems are Low quality of food, Unhygienic kitchen and lack of inclusion of all type of food. Its application depends on location of the customer and location of restaurant.

Aims and Objective:

The main purpose of this system, is to increase the awareness about various food items available in an area. To make cross cultural awareness among the people and to generate the feeling of oneness. Provide on time delivery of foods. In other words, our food portal has, following objectives:

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- Simple database is maintained.
- Easy operations for the operator of the system.

  User interfaces are user accommodating and attractive; it takes very less time for the to use the system.
- Easy operations for the operator of the system.

2. OVERALL DESCRIPTION.

Proposed Methodology:

This system provides an easy way for customers to view and order the various cuisines. Restaurant staff to manage their food orders and deliver the food with help of delivery persons. The online food portal enables restaurants (system user) to showcase their cuisines online, customers to browse through portal can buy the food. This product aims towards a person who don't want to visit the restaurants but want to taste the food items in his home or office etc. She/he can use the web application for ease.

Operating Environment:

Server Side:

Processor: Intel® Core i5 8th Gen

HDD: Minimum 1TB Disk Space

RAM: Minimum 8GB

OS: Windows 10, Linux 6

Database: MySQL

Client Side (minimum requirement):

Processor: Intel Dual Core

HDD: Minimum 500GB Disk Space

RAM: Minimum 4GB

OS: Windows 10, Linux

Design and Implementation Constraints:

- The application will use ReactJs as frontend and Java spring Boot Api as a backend.
- The application will use JavaScript, JQuery and CSS as web technologies.
- HTTP and FTP protocols are used as communication protocols. FTP is used to upload the web application in live domain and the client can access it via HTTP protocol.
- SMTP protocol is used for Email communication.
- Several types of validations make this web application a secured one and SQL Injections can also be prevented.
- Since ZykaExpress Online Food Portal is a web-based application, internet connectionmust beestablished.
- The ZykaExpress Online Food Portal will be used on PCs and will function via internet orintranetin any web browser.

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3. REQUIREMENTS SPECIFICATION

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 totheir 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.

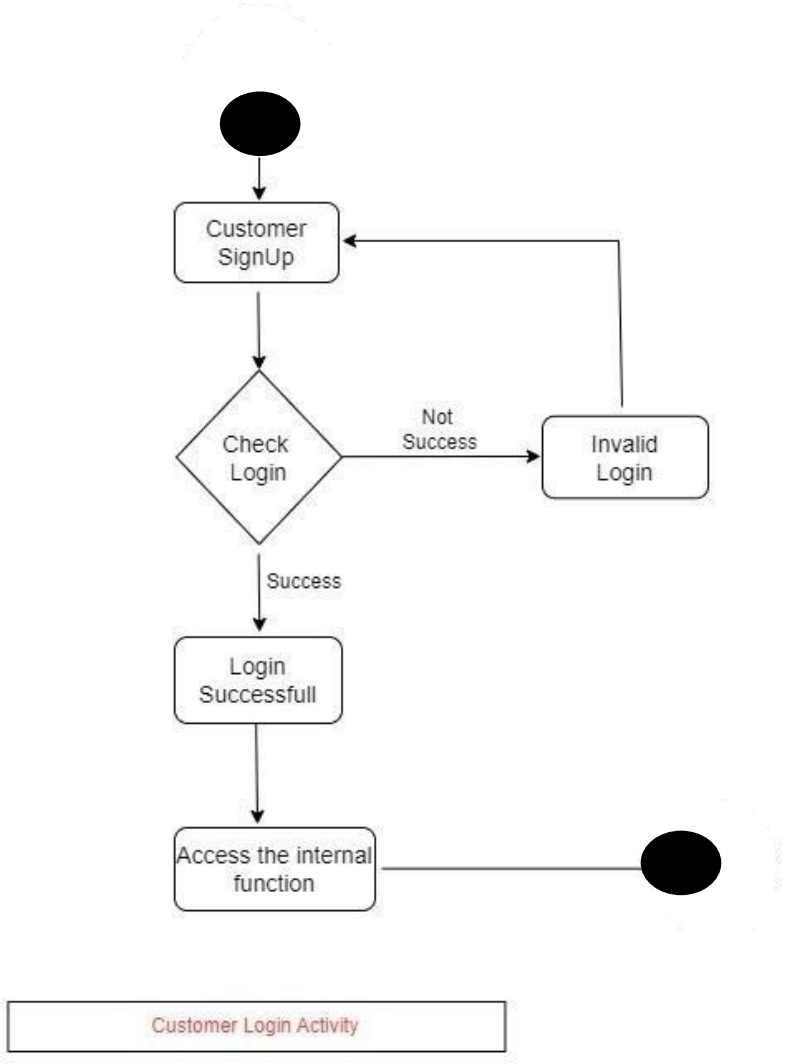
Communications Interfaces:

- 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 Orders 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 thedata retrieved by server to fulfil the request fired by the customer.

4. SYSTEM DAIGRAMS.

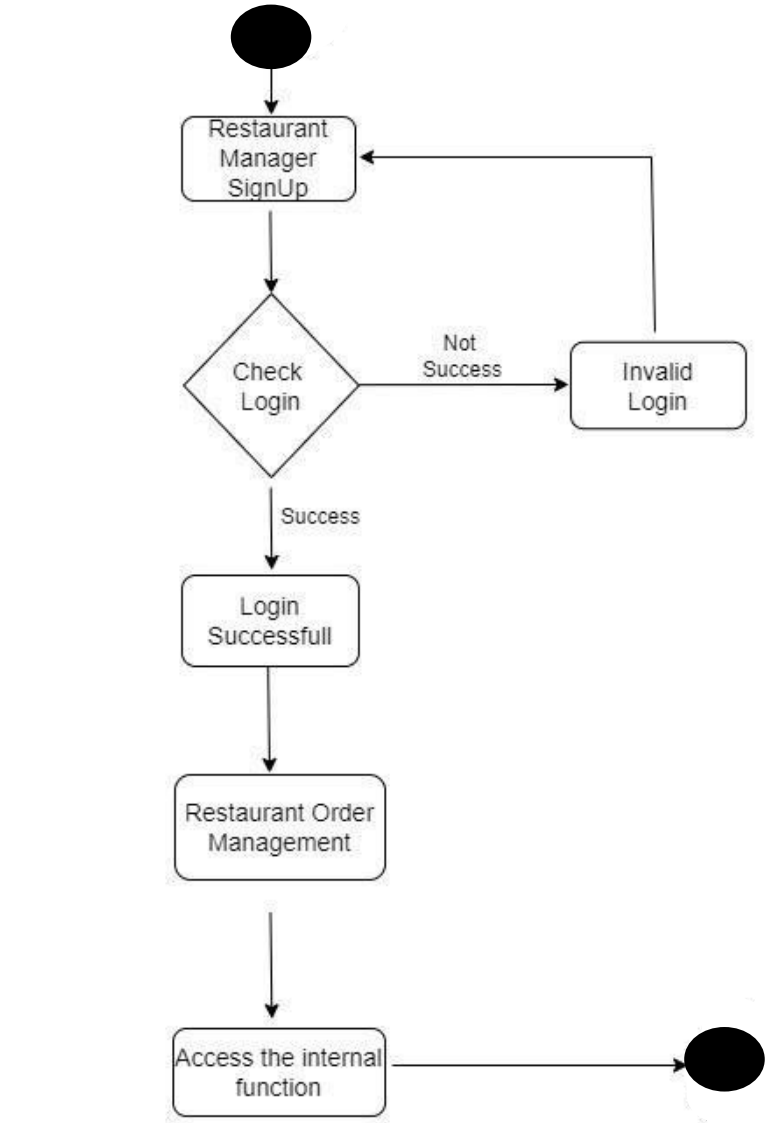
- **Activity Diagram:**

  - Customer Activity:



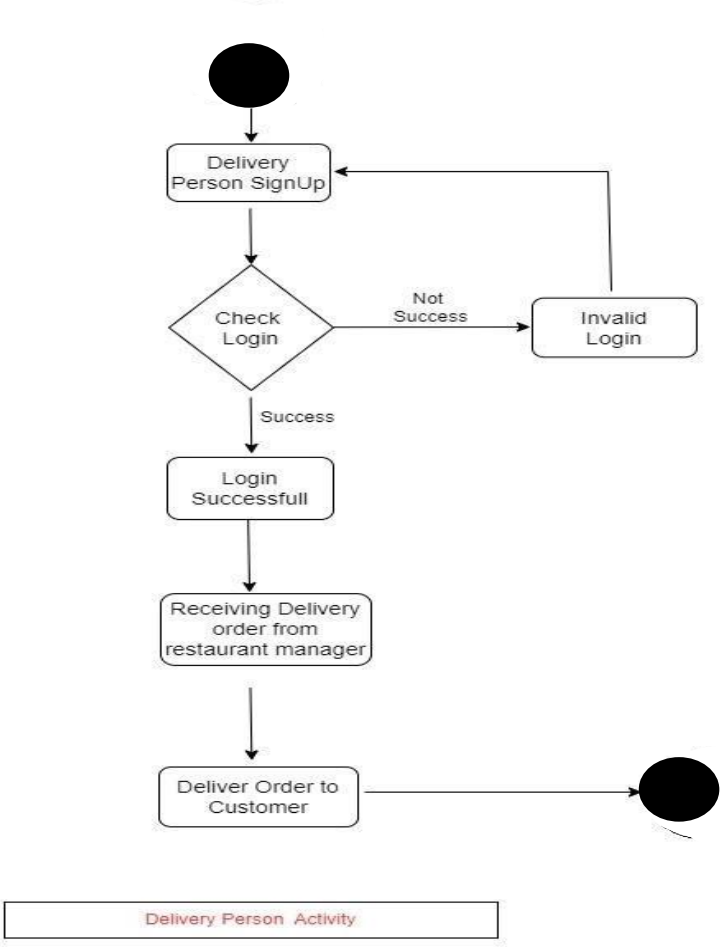
Customer Login Activity

- Restaurant Manager Activity:



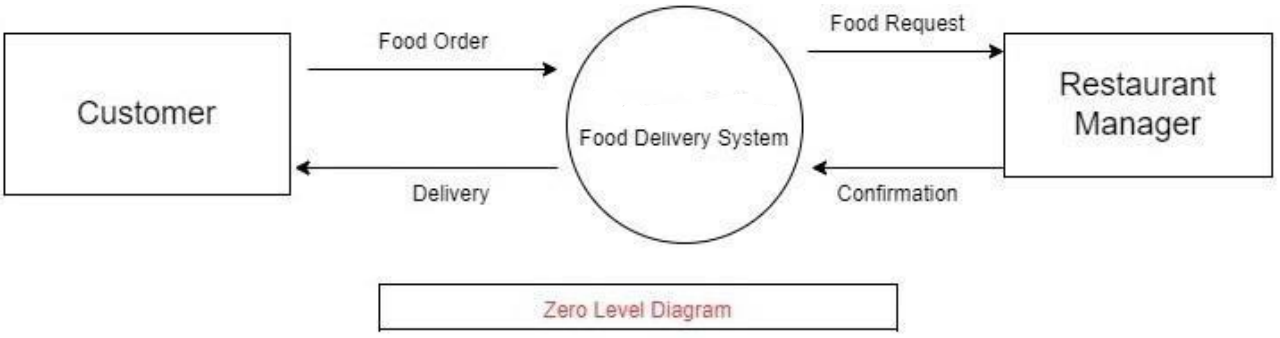
Restaurant Manager Activity

- Delivery Person Activity:

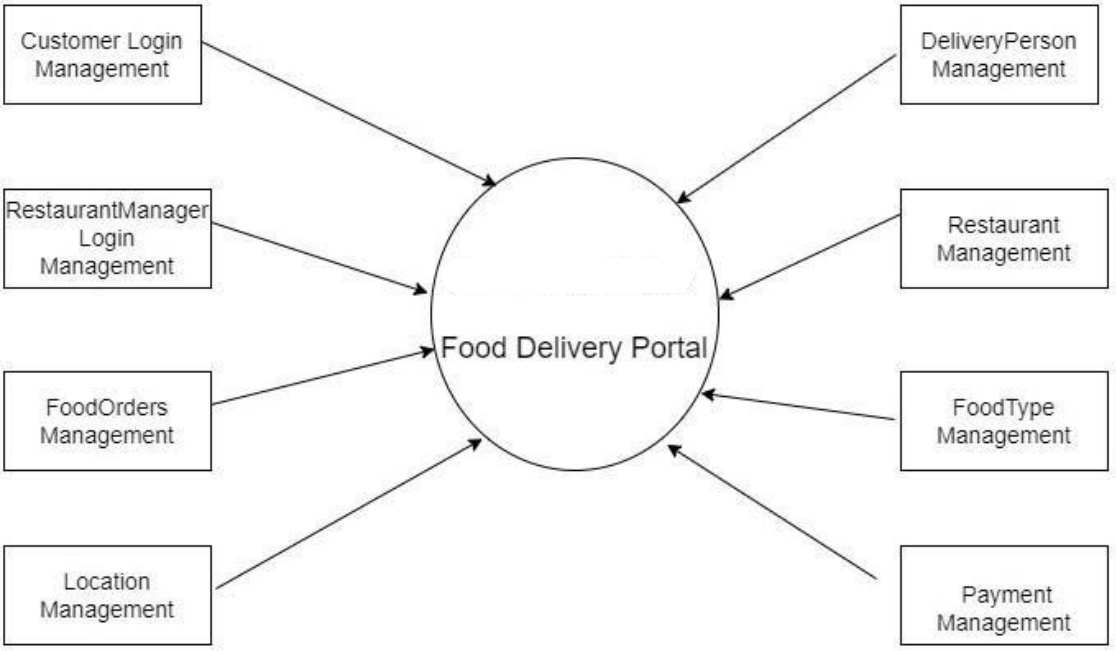


Delivery Person Activity

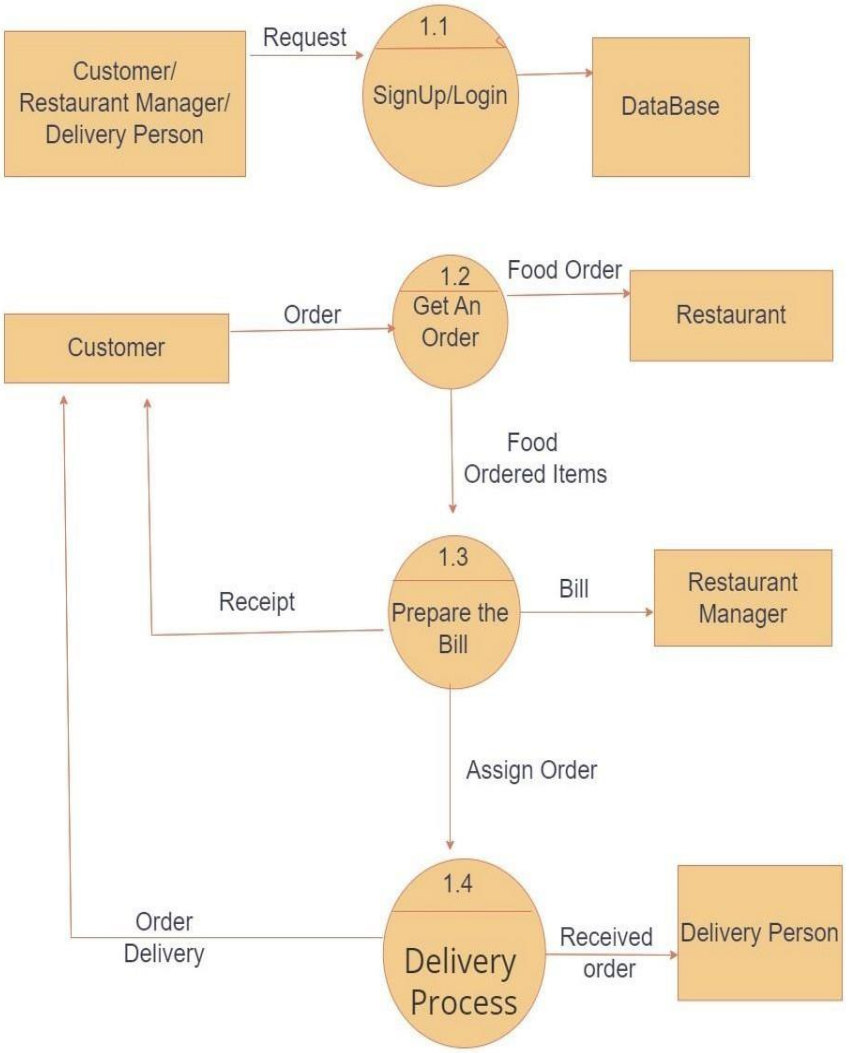
- **Data Flow diagram:**



Zero Level Diagram

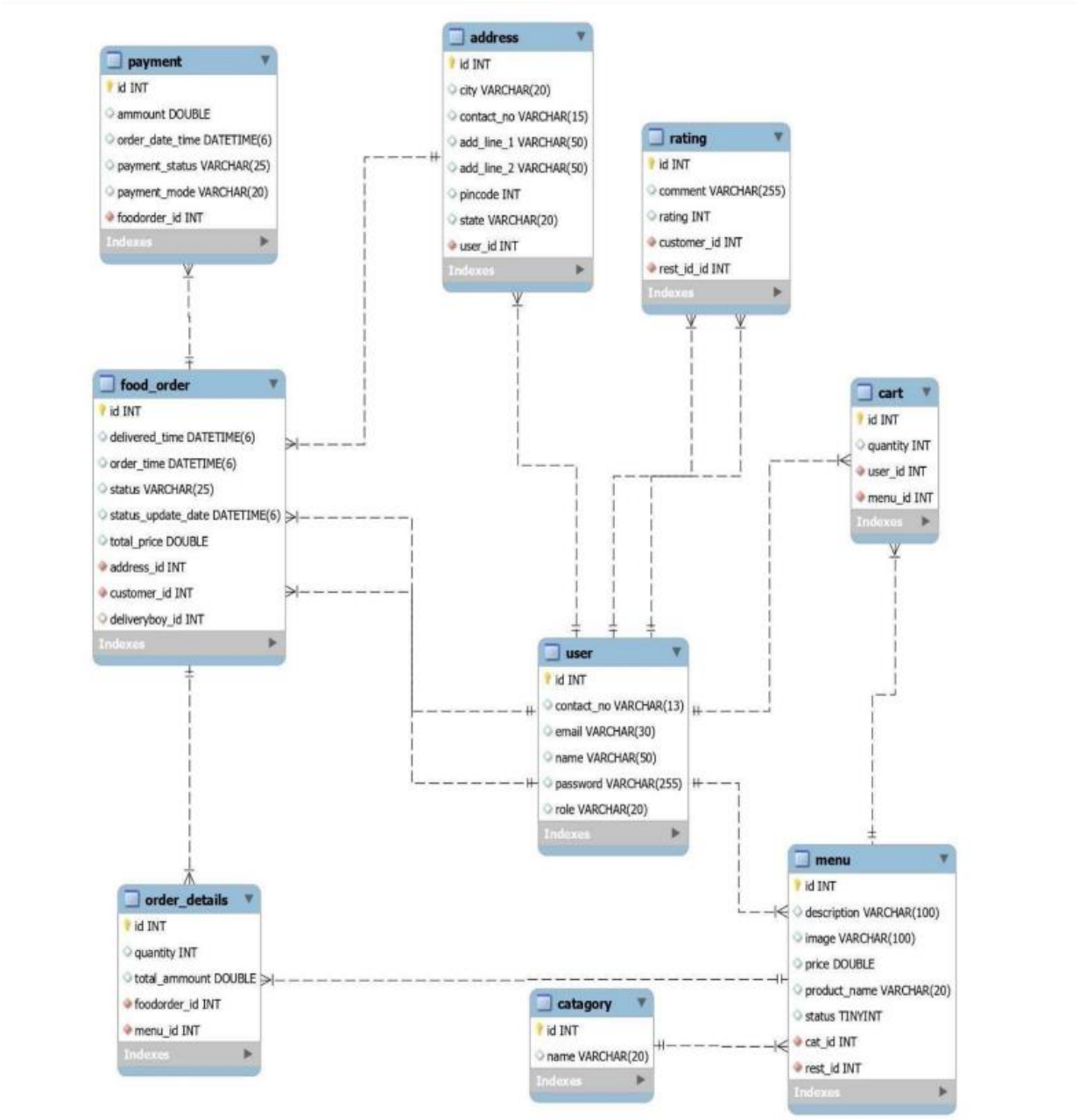


First Level Diagram

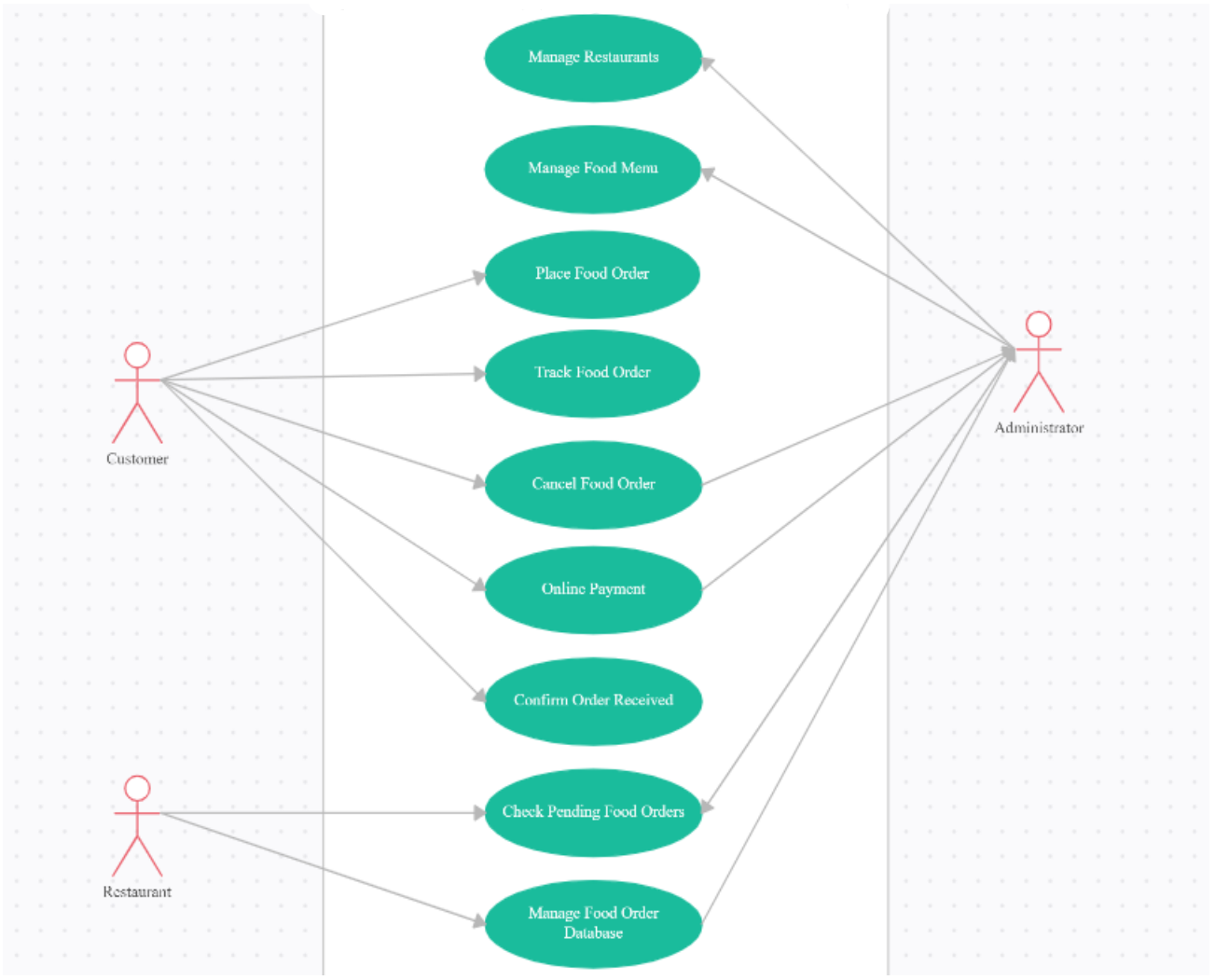


Customer Level 2 Diagram

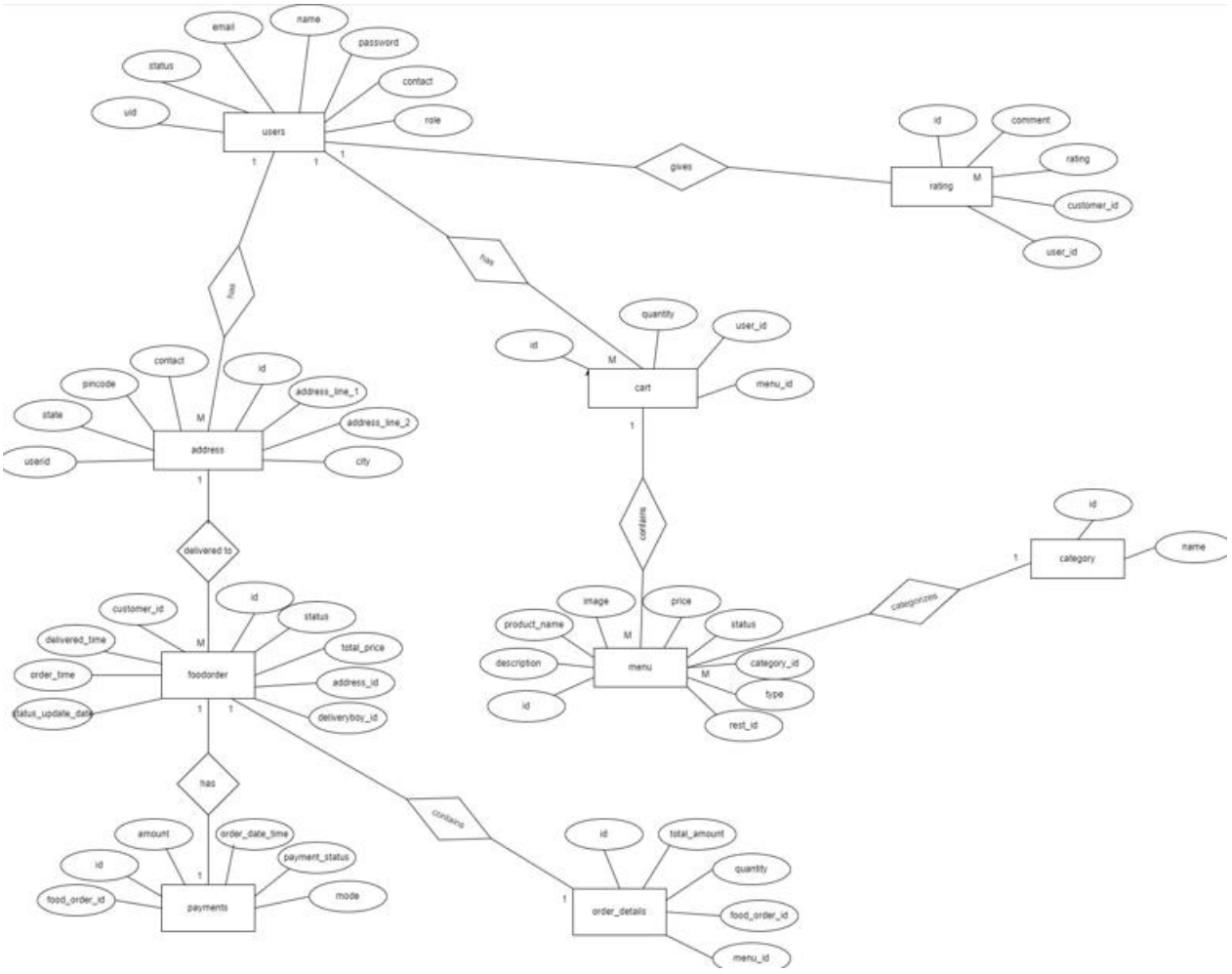
- **Class Diagram:**



- **Use Case Diagram:**



- **ER Diagram:**


email
name
password
status
contact
uid
role
users
gives
id
comment
rating
customer_id
user_id
rating
has
has
quantity
user_id
id
cart
menu_id
contact
id
pincode
address_line_1
state
address_line_2
address
userid
city
delivered to
contains
id
category
name
categorizes
customer_id
id
status
image
price
product_name
status
delivered_time
total_price
foodorder
menu
description
category_id
order_time
address_id
type
id
deliveryboy_id
rest_id
has
contains
amount
order_date_time
id
payment_status
payments
mode
food_order_id
id
total_amount
quantity
order_details
food_order_id
menu_id

5. TABLE STRUCTURE.

- user:

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
contact_no	varchar(13)	YES		NULL	
email	varchar(30)	YES	UNI	NULL	
name	varchar(50)	YES		NULL	
password	varchar(255)	YES		NULL	
role	varchar(20)	YES		NULL	
status	varchar(20)	YES		NULL	

- address:

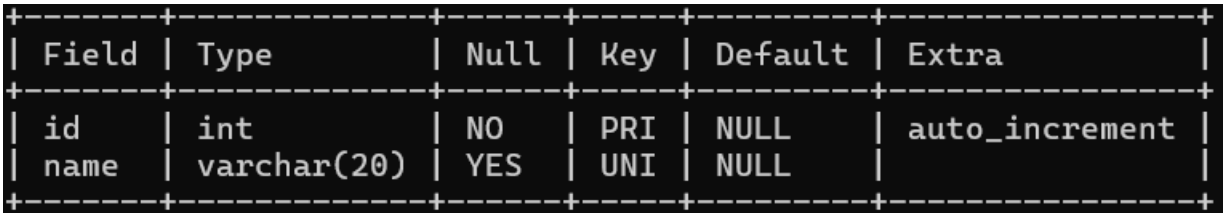
Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
city	varchar(20)	YES		NULL	
contact_no	varchar(15)	YES		NULL	
add_line_1	varchar(50)	YES		NULL	
add_line_2	varchar(50)	YES		NULL	
pincode	int	YES		NULL	
state	varchar(20)	YES		NULL	
user_id	int	NO	MUL	NULL	

- cart:

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
quantity	int	YES		NULL	
user_id	int	NO	MUL	NULL	
menu_id	int	NO	MUL	NULL	

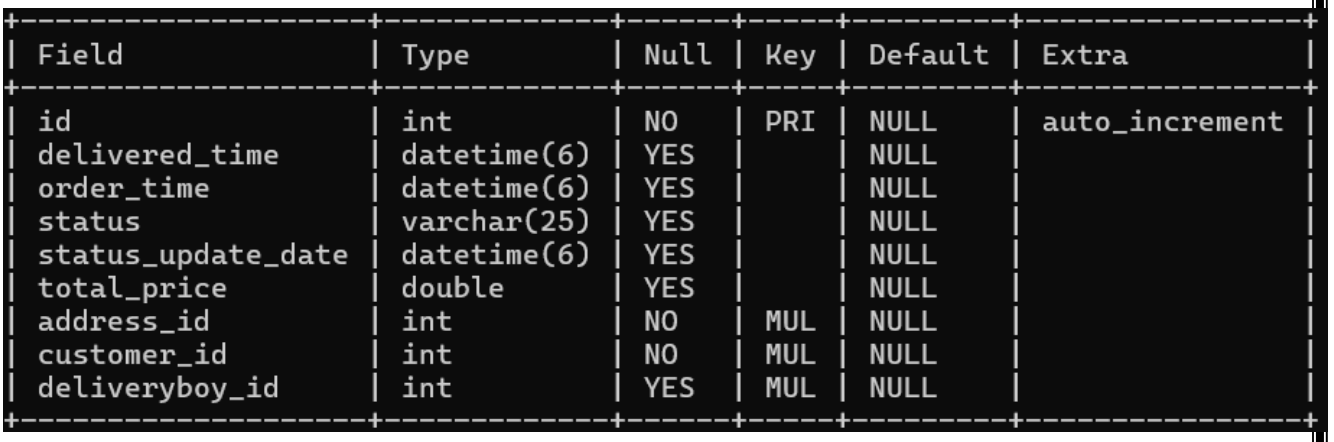
-

- category:

- 

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
name	varchar(20)	YES	UNI	NULL	

- Food_order:

- 

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
delivered_time	datetime(6)	YES		NULL	
order_time	datetime(6)	YES		NULL	
status	varchar(25)	YES		NULL	
status_update_date	datetime(6)	YES		NULL	
total_price	double	YES		NULL	
address_id	int	NO	MUL	NULL	
customer_id	int	NO	MUL	NULL	
deliveryboy_id	int	YES	MUL	NULL	

- menu:

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
description	varchar(100)	YES		NULL	
image	varchar(100)	YES		NULL	
price	double	YES		NULL	
product_name	varchar(20)	YES		NULL	
status	tinyint	YES		NULL	
type	varchar(20)	YES		NULL	
cat_id	int	YES	MUL	NULL	
user_id	int	YES	MUL	NULL	

Payment:

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
ammount	double	YES		NULL	
order_date_time	datetime(6)	YES		NULL	
payment_status	varchar(25)	YES		NULL	
payment_mode	varchar(20)	YES		NULL	
foodorder_id	int	NO	MUL	NULL	

- Order_details:

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
quantity	int	YES		NULL	
total_ammount	double	YES		NULL	
foodorder_id	int	NO	MUL	NULL	
menu_id	int	NO	MUL	NULL	

- Rating :

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
comment	varchar(255)	YES		NULL	
rating	int	YES		NULL	
customer_id	int	NO	MUL	NULL	
user_id	int	NO	MUL	NULL	

6. CONCLUSION

- **Conclusion:**

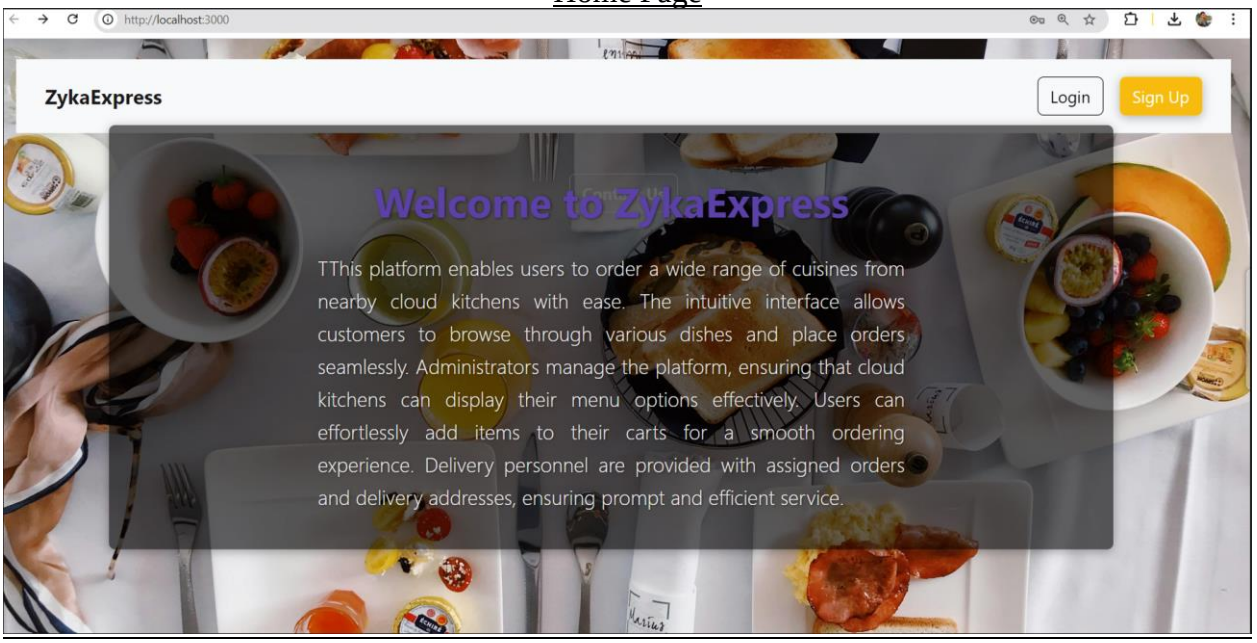
Online food delivery system is process of ordering food through single web portal with access to multiple restaurants at the same time. It provide customers an access to various food items from various hotels and helps to try new foods.It provide restaurant manager to increase the business of their hotel.it also provide home delivery of foods with help of delivery person**.**

- **Future Scope:**

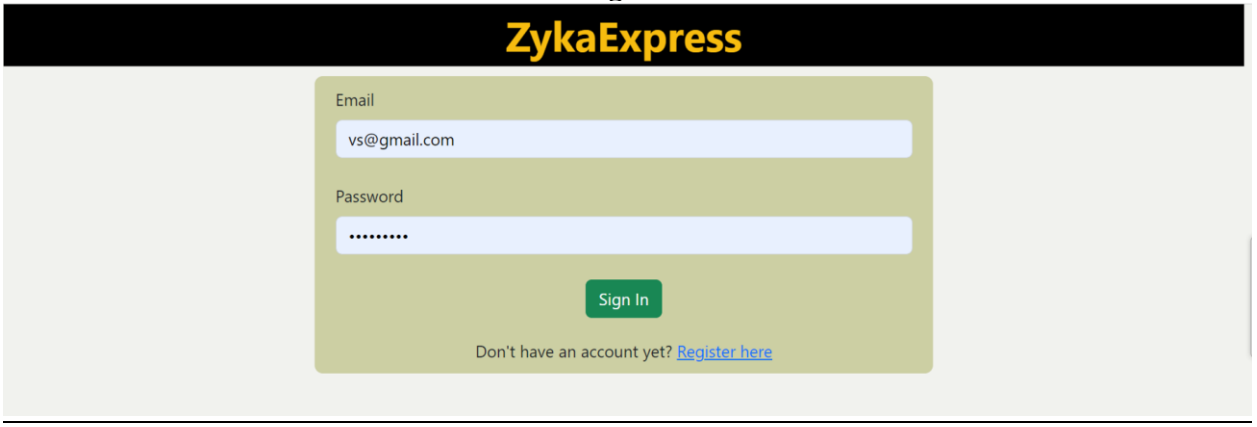
This project can be enhanced further by adding payable additional hotels, online feedback system, local mess for the members to increase the variety of the foods. The software is flexible enough to be modified and implemented as per future requirements. We have tried our Best to present this free and user–friendly website to customers.

9.Screenshots :

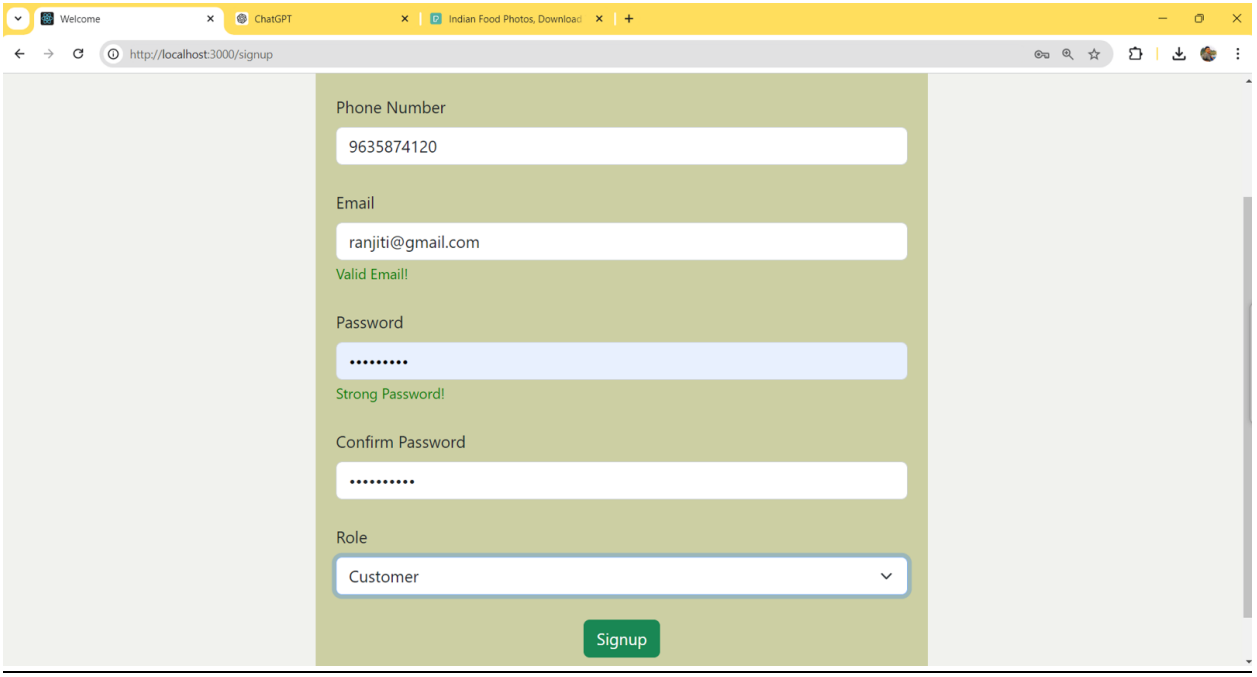
Home Page



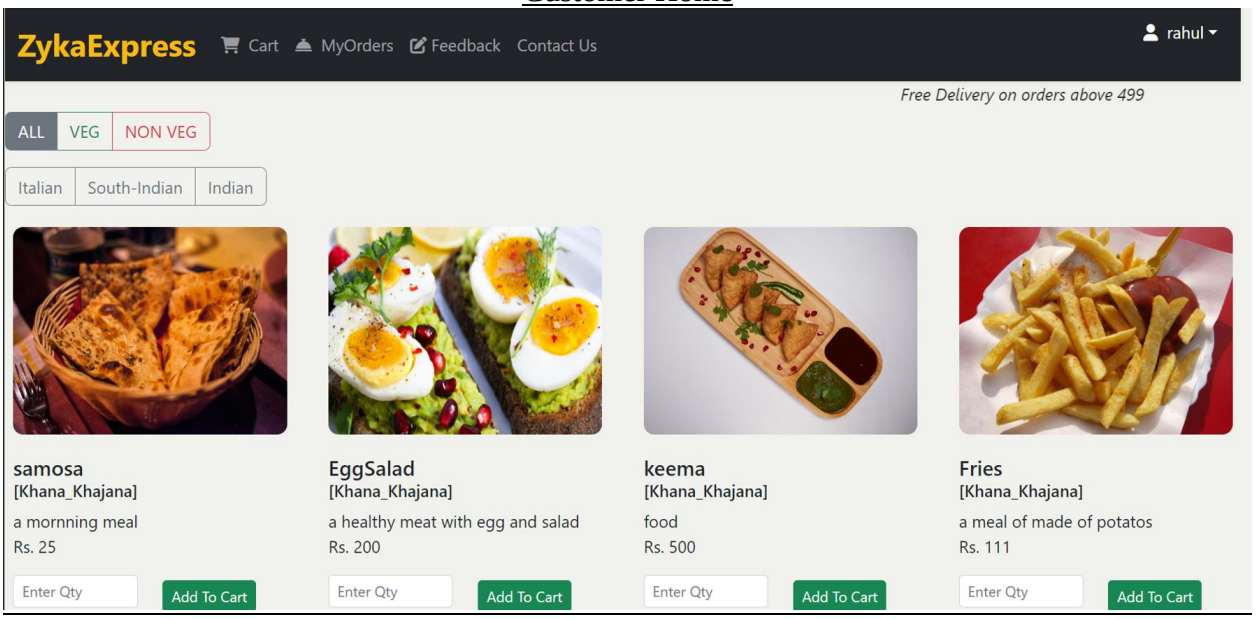
Sign In



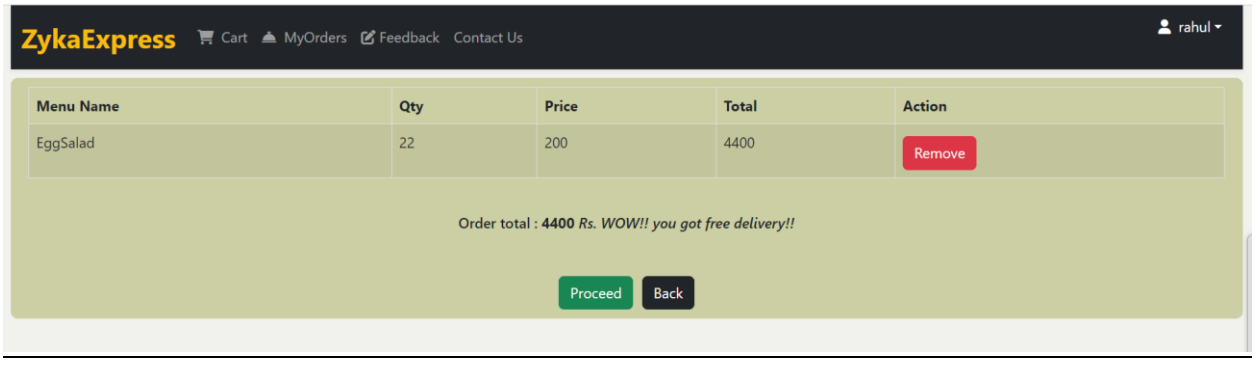
SignUp



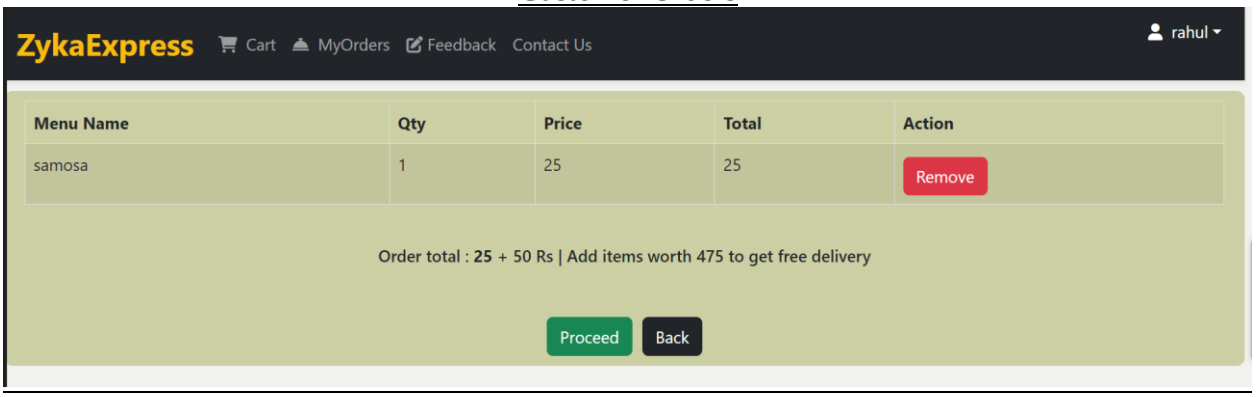
Customer Home



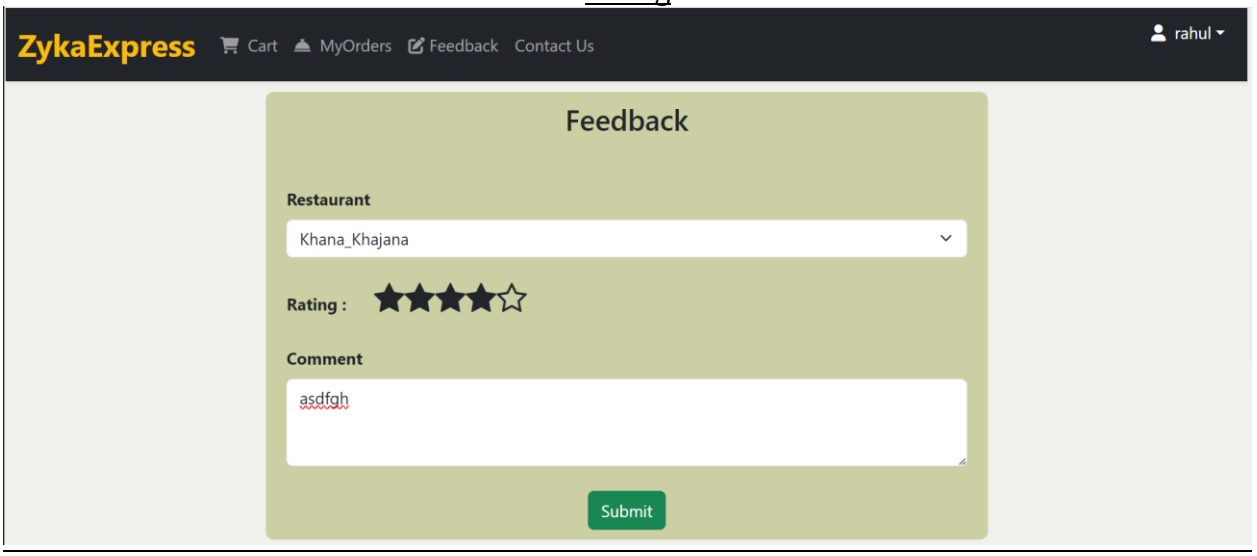
Customer Cart



Customer Orders

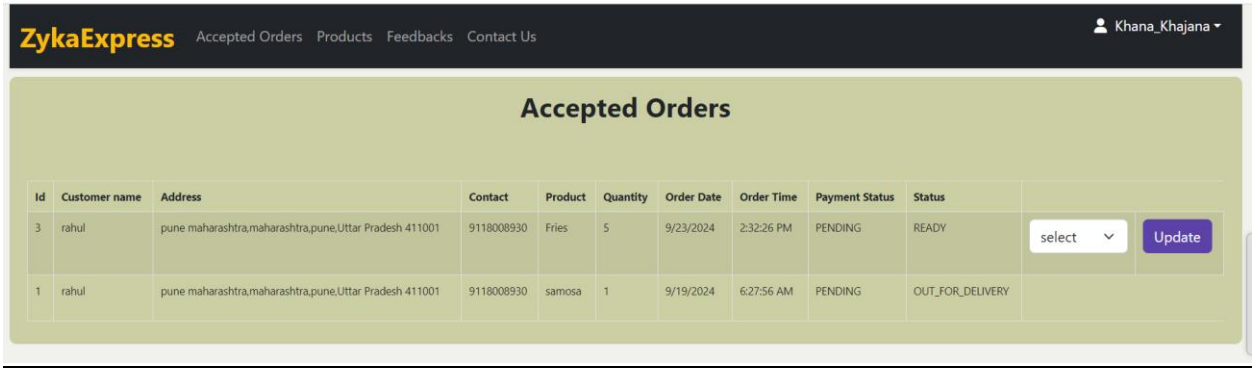


Rating

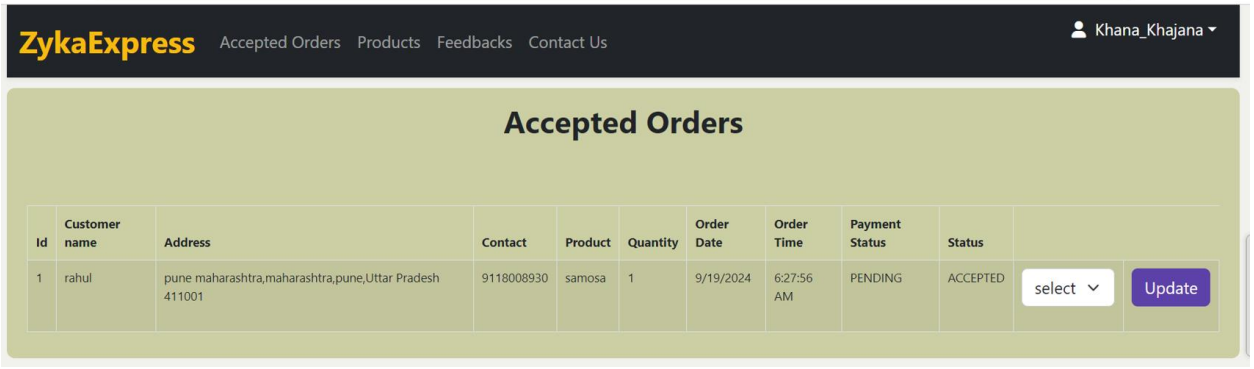


Update Profile

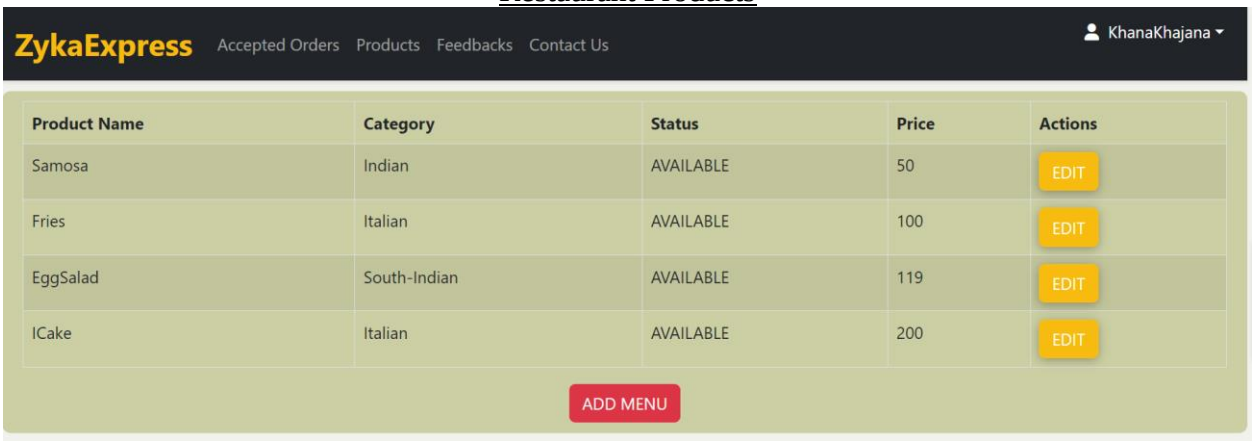
Restaurant Home (New Orders)



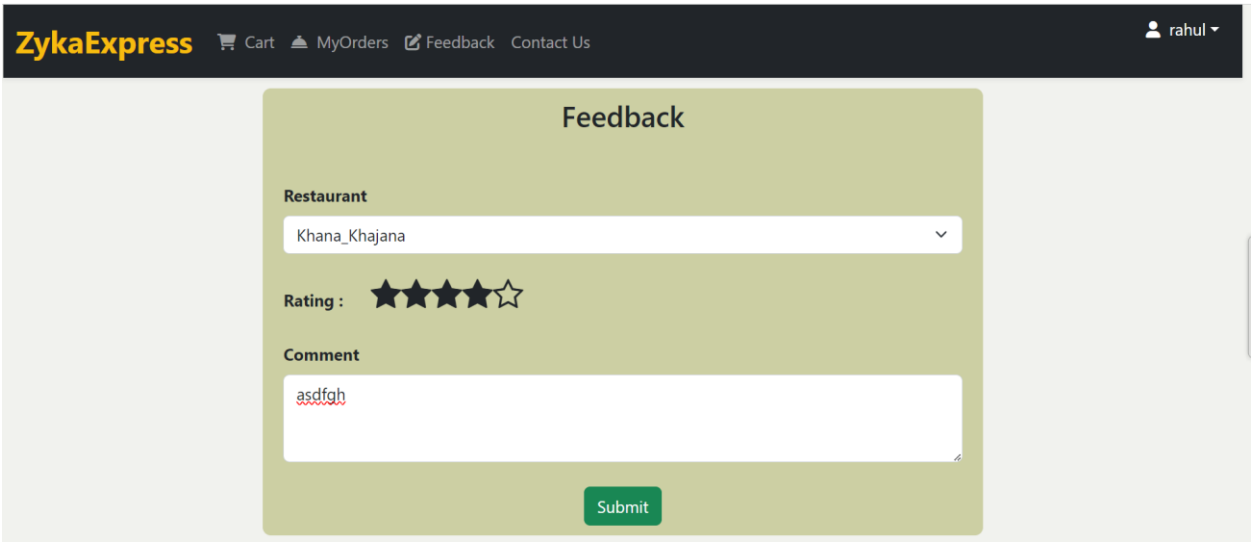
Restaurant Accepted Orders



Restaurant Products

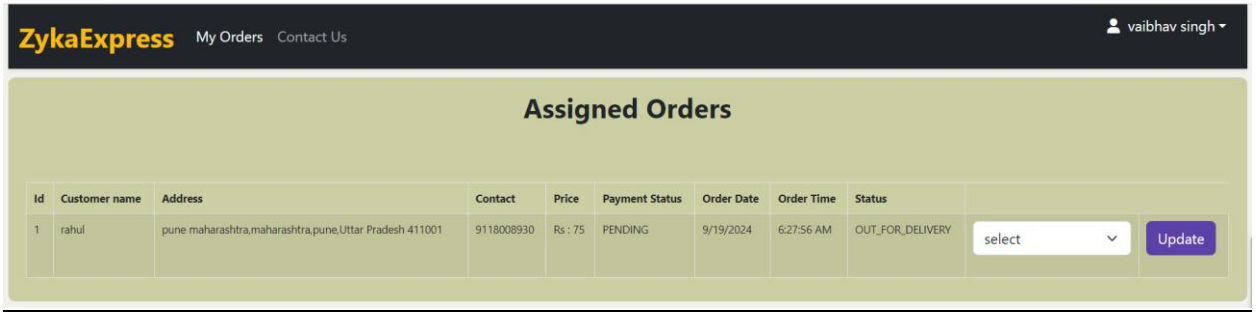


Restaurant Feedbacks

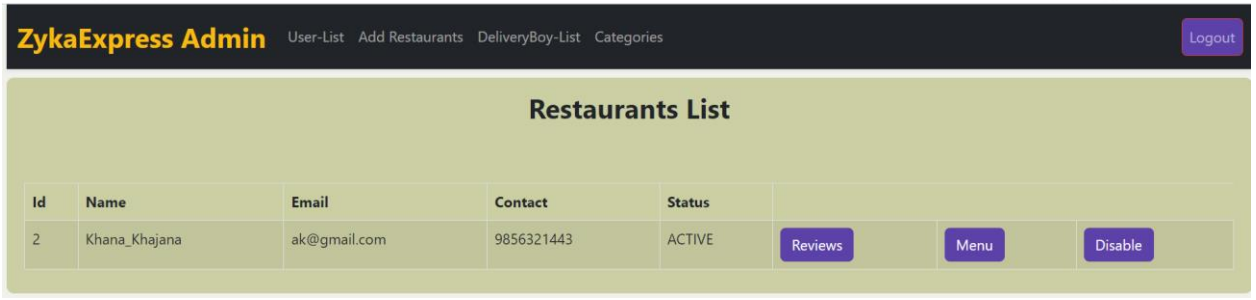


DeliveryBoy Home (New Orders)

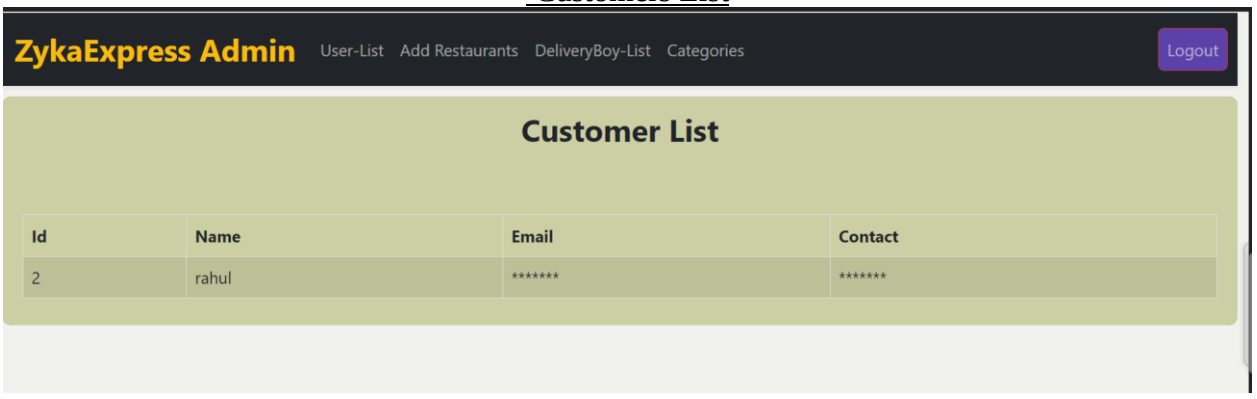
DeliveryBoy Accepted Orders



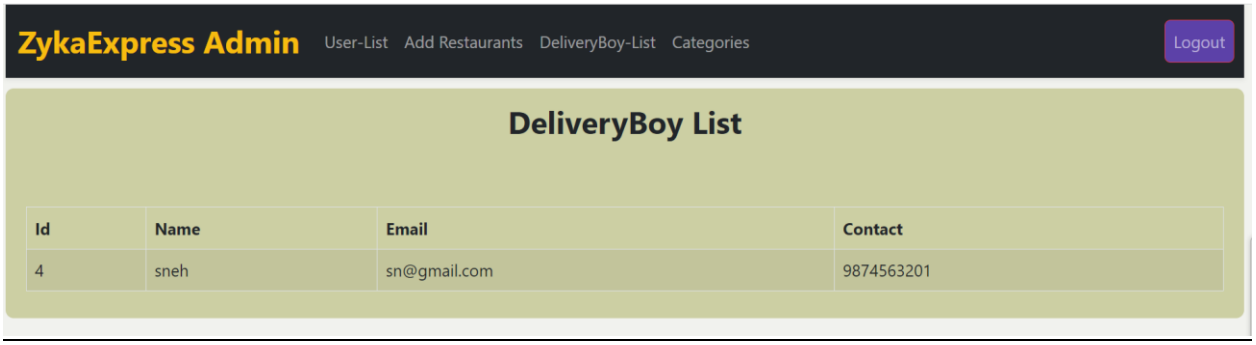
Admin Home



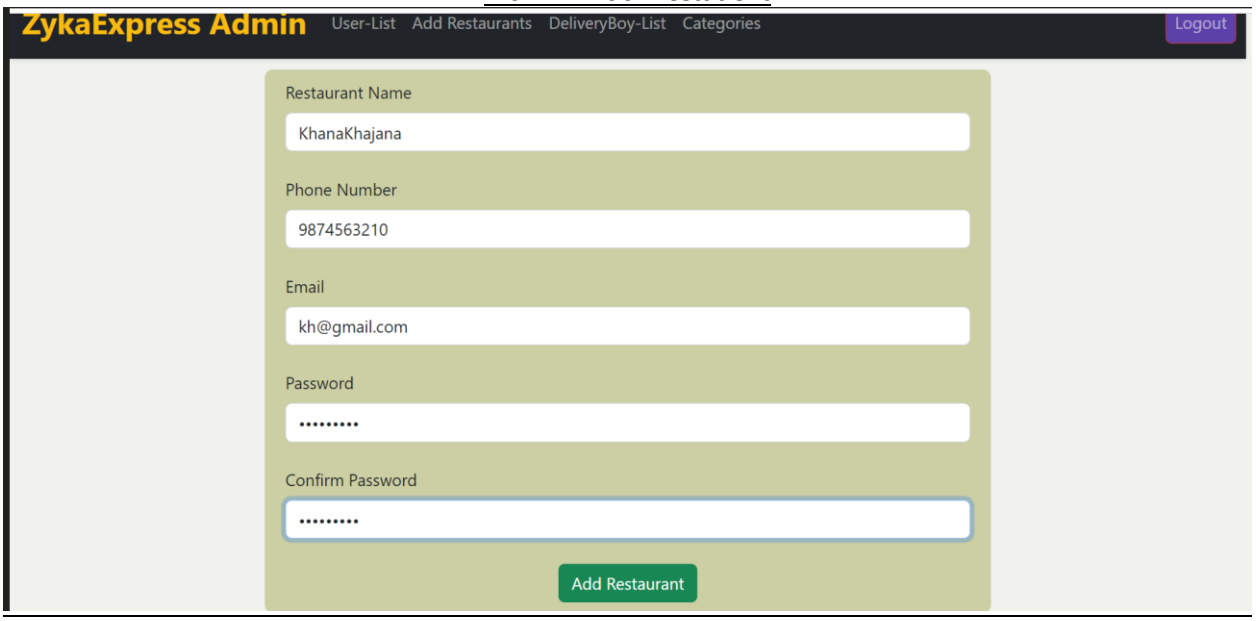
Customers List



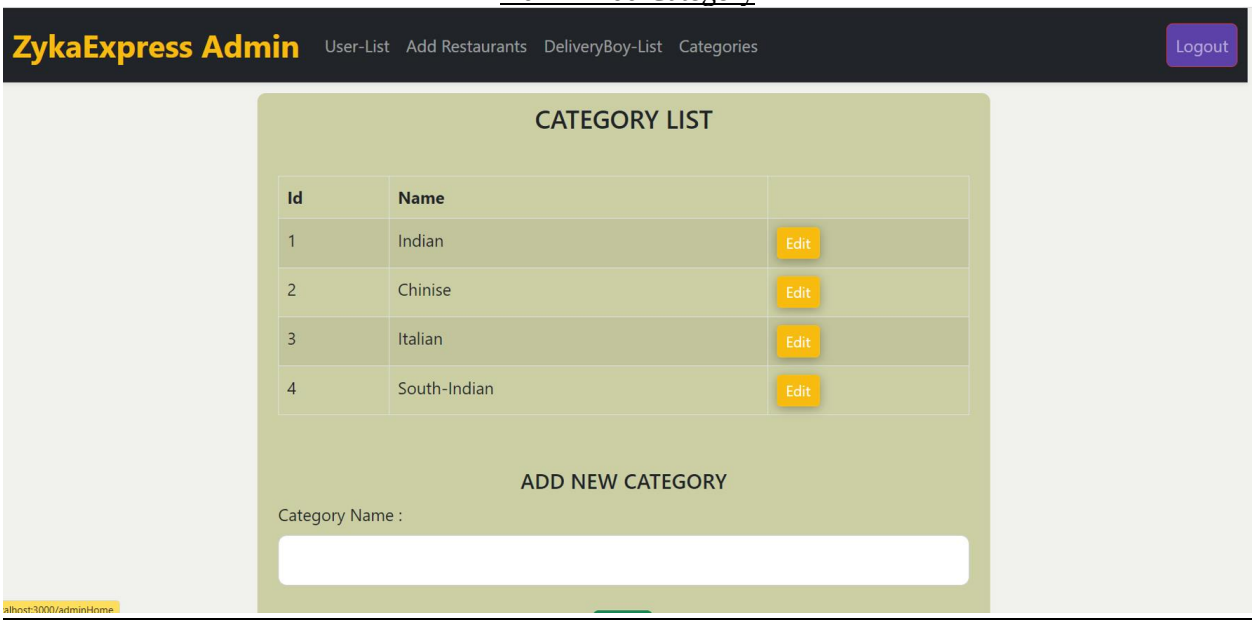
DeliveryBoy List



Admin Add Restauent



Admin Add Category



7. APPENDIX

- **References:**

  - http://www.ijcstjournal.org/volume-7/issue-1/IJCST-V7I1P4.pdf
  - https://bootstrapmade.com/mentor-free-education-bootstrap-theme/
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  - https://angular.io/docs
  - https://javaee.github.io/javaee-spec/javadocs/
  - https://www.w3schools.com/