

**Veer Narmad South Gujarat University, Surat.**

**Department of Information and  
Communication Technology**

**Project Report**

**2<sup>nd</sup> Semester**

**M.Sc. (Information and Communication Technology)**

**2 Year Course**

**Year 2021– 2022**

**“DS Online Food Ordering System”**

Guided By:

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Submitted By:

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**Veer Narmad South Gujarat University, Surat.**

**Department of Information and Communication Technology**

**M.Sc. (Information and Communication Technology)  
Programme**

**Certificate**

This is to certify that Miss. Dhruvi Katrodiya And Shilpa Maniya with Exam Seat Number: 8634 And 8640 and Enrollment Number: R21110018000710014 And R21110018000710020 has worked on his/her part time project work entitled DS Online Food Ordering System as a partial fulfillment of the requirements for **2nd Semester - M.Sc. (Information and Communication Technology)**, during the academic Year 2021-2022.

Date :

Place : Dept. of ICT, VNSGU, Surat.

**Internal Project Guide**  
**M.Sc.(I.C.T.) 2 nd Semester**  
**Department of I.C.T.**  
**Veer Narmad South Gujarat**  
**University, Surat**

**Course Coordinator**  
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**University, Surat**

**Head of the Department**  
**Department of I.C.T.**  
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**University, Surat**

# Acknowledgement

Success in such a comprehensive project cannot be achieved single-handled. It is team effort that sails the ship to the coast. So, we would like to express our sincere thanks to all the dignitaries who were involved in making this project a great joy and turning it into successful piece of work.

We would like to take opportunity to thank our college J.P. Dawer Institute of Information Science & Technology, Surat for giving us this tremendous opportunity to work in the realtime project.

Dr. Parul Patel, our project coordinator, has been very prudent to us throughout our college studies. She is the person who has been giving direction to our work and the shape to our imagination. We express our regards to her from the core of our heart.

we also like to thank to Dr. Dhaval Joshi Sir who are always ready to give best guidance, give solutions whenever required.

We would also like to acknowledge all our friends and colleagues, team members for their help and encouragement from time to time. The constant support and encouragement of our friends deeply appreciate. The project indeed gave challenging and exhilarating experience in designing and developing the required system.

Finally, we would like to thank our Parents for their support throughout the project. We owe a special debt to our family & friends for their supports blessing and encouragement for me.

Regards,  
Katrodiya Dhruvi P.(8634)  
Maniya Shilpa P.(8640)

# **INDEX**

Sr. No	Topics	Page no.
1.	Introduction 1. Customer Profile 0. Current System – about the existing system (manual or s/w) 1. Customer Detail	5
2.	Proposed System 2.1 Scope 2.2 Objective 2.3 Advantages 2.4 Limitation	7
3.	Environment Specification 3.1 Hardware & Software Requirements 3.2 Development Description	9
4.	System Planning 4.1 Feasibility Study 4.2 Software Engineering Model 4.3 Risk Analysis 4.4 Project Schedule 4.4.1 Task Dependency 4.4.2 Timeline Chart	10
5.	System Analysis 5.1 Detailed SRS 5.2 UML Diagram 5.2.1 Use Case Diagram 5.2.2 Class Diagram 5.2.3 Activity Diagram 5.2.4 Sequence Diagram 5.3 E-R Diagram	14
6.	Software Design 6.1 Database Design 6.2 Interface Design sitemap followed with page snapshots 6.3 Architecture Design	27
7.	Testing 7.1 Unit Testing 7.2 Integration Testing	55
8.	Future Enhancement	58
9.	Reference	59

## 1. Introduction

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### 1. Customer Profile :

#### 0. Current System – about the existing system (manual or s/w)

##### Existing System

- The current system is totally manual.
- Maintain all data records in on paper.
- Due to manually process, it requires more time for completion of any work.
- Lots of time consumed to the requires is difficult and time consuming.
- Manual system is takes more time to compete any task.
- This system require more human resource to run the system.
- Require infrastructure to operate the system
- People need to come at shop for order food.
- View past reports task is very tadius.

##### Current System

- This System required less time for processing.
- Reduce paper work and paper cost.
- Reduce the infrastructure cost.
- Easily generate and maintain the reports
- Various details have to be providing to the management at any time.
- Better Security.
- The System require less human resource.

## 1. Customer Detail

- **Project Title :** DS Online Food Ordering System
- **Objective :** An online food ordering system can be defined as software that allows restaurant businesses to accept and manage orders placed over the internet. Online ordering systems generally consists of 2 main components. First is a website or mobile app for hungry customers to view the restaurant's dishes and place an online order. Second is an admin management interface for the restaurants to receive and manage the customer's orders.
- **Front End Tools :** Asp.net(C#, MVC)
- **Back End Tools :** Microsoft SQL Server Management Studio 2018
- **Other Tools :** HTML5, CSS and BOOTSTRAP4
- **Institute :** J.P Dawer Institute of Information Science And Technology, VNSGU, Surat.
- **Time Duration :** 2 Months
- **Guided By :** Dr. Parul Patel

## 2. Proposed System

### 2.1 Scope

- Scope in Online Food Ordering System This project aimed at developing an online food ordering system which can be used in small places, and medium cities firstly and then on a large scale. It is developed to help restaurants to simplify their daily operational and managerial task as well as improve the dining experience of customers.
- And also helps restaurant develop healthy customer relationships by providing good services.
- The system enables staff to let update and make changes to their food and beverage list information based on the orders placed and the orders completed.

### 2.2 Objective

The general objectives of the study is to develop a reliable, convenient and accurate Ordering System.

The study has the following specific objectives:

- To develop a system that will surely satisfied the customer service.
- To design a system able to accommodate huge amount of orders at a time.
- To evaluate its performance and acceptability in terms of security, user-friendliness, accuracy and reliability.
- To improve the communication between the client and the server and minimize the time of ordering.

One of the main objectives of a restaurant to ensure customer satisfaction.

- To automatically compute the bill.

The system will also automatically calculate and displays the final bill so the bills will ready to print without having any error because the information for that item is already inserted.

### 2.3 Advantages

Running an online food ordering system adds flexibility to the business, which will ultimately increase sales and profits.

Easier ordering process – People love to boss around there orders. When the companies are introducing apps or website for there business on the internet, no more need for human interaction with the customer. People can choose and customize accordingly.

-Easy, fast, and comfortable

- Higher customer spend:
- Increased customer loyalty:
- Safer and healthier
- 1. Makes the ordering process easier

Traditionally, people had to make calls to place orders or drive to the restaurants for a take-out, then wait for the food to be prepared and delivered. Sometimes, placing an order on the phone means that there could be mistakes in order. Clearly, these aren't really the best solutions to order food from restaurants especially for people with busy lifestyles.

The best solution is switching over to online ordering

## 2.. Efficient customer and order management

An online ordering system for Restaurants helps enhance the customer-restaurant relationship by providing end to end Customer Relationship Management (CRM) system.

### **2.4 Limitation – things that are not there, but could be achieved**

While there are many advantages to the online food ordering system, there are also some disadvantages to online food ordering systems. They are

- price
- Limited menu
- Quality of food may be suffer
- Food may get cold

### 3. Environment Specification

#### 3.1 Hardware & Software Requirements

The efficient hardware and software configuration required to run the system is as suggested below . The configuration suggested is adequate same functionality or higher configuration wills always be better.

Type	Description
<b>RAM</b>	8 GB
<b>Microprocessor</b>	Intel Core Processor i3
<b>Operating System</b>	Microsoft Windows 10
<b>Browser</b>	Google Chrome, Mozilla Firefox, Internet Explorer
<b>Front End</b>	ASP.NET(C# , MVC)
<b>Back End</b>	Microsoft SQL Server 2018
<b>Software</b>	Microsoft Visual Studio 2022, SQL Server 2018

#### 3.2 Development Description

Systems development is the process of defining, designing, testing, and implementing a new software application or program. It could include the internal development of customized systems. In online food system there are three modules first is Admin , Second is User or Customer, Third is Restaurant. Admin is a responsible person who operate the whole system. Admin has rights to add, delete, modify category , item and all other information regarding to online food ordering system.

## 4. System Planning

---

### 4.1 Feasibility Study

The measure of how beneficial or practical the development of informant system will be to an organization . Along this topic feasibility is measured . So far taking the feasibility study and feasibility analysis during the development of the project Online Food Ordering System we have studied on the following four major categories of feasibility study .

**4.1.1 Operational Feasibility** Operational feasibility is the measure of how well the project will support the customer and the service provider during the operational phase . It answers the question , " Is the project feasible to operate or not ? "

**4.1.2 Technical Feasibility** It measures the feasibility of the particular technical solution and the availability of technical resource and expertise . Technical feasibility looks at what is practical and reasonable . It mainly addresses their major issues .

- Is the proposed technology or solution practical ?
- Do we currently possess the necessary technology and technical expertise ?

**4.1.3 Schedule Feasibility** It is the measure of how reasonable the project time table is or the deadline is reasonable or not . During the lack of time or the time become mandatory , we must finish the project within a given time period . It mainly addresses

- Can the project really be completed in the given period of time ?

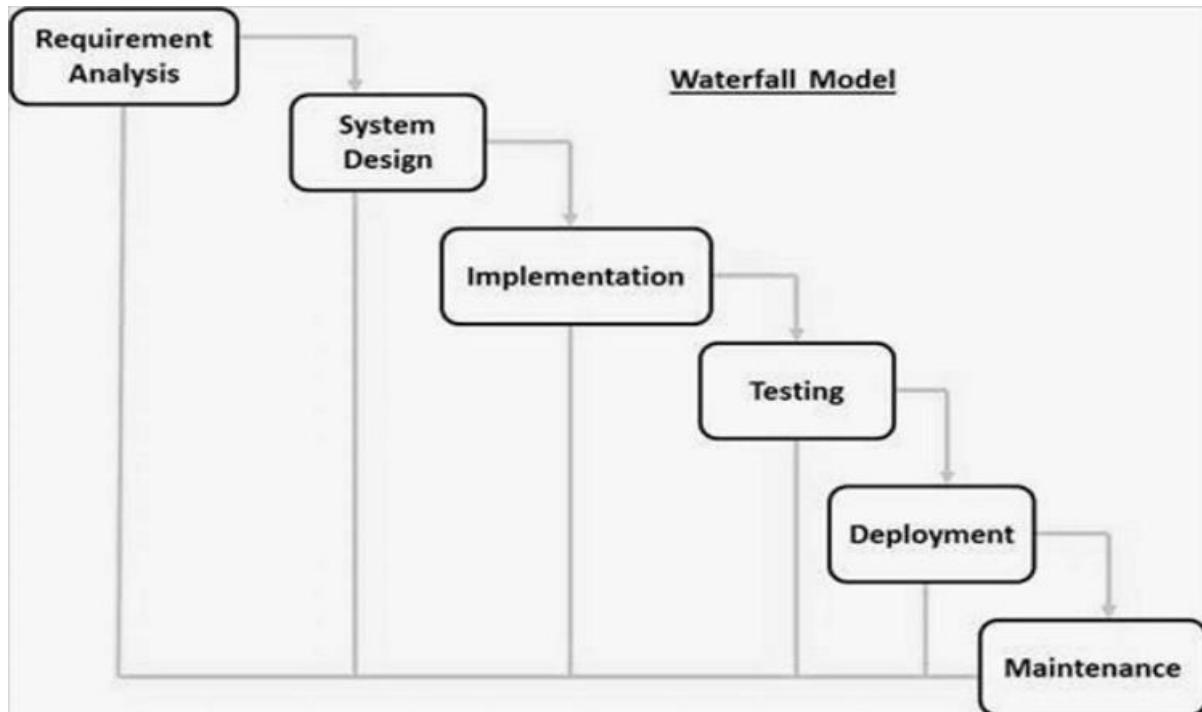
**4.1.4 Economic Feasibility** It is the measure of the cost - effectiveness of a project , which is often called cost - benefit analysis . As long as the end - users requirements and alternative technical solution have been identified , we can identify the raw cost weight and benefit of each alternative .

During the development of Online Food Ordering System , we have tried to address all these feasibility analysis phases seriously . That's why we think , our project will succeed properly .

### 4.2 Software Engineering Model

Waterfall approach was first SDLC Model to be used widely in Software Engineering to ensure success of the project. In "The Waterfall" approach, the whole process of software development is divided into separate phases. In this Waterfall model, typically, the outcome of one phase acts as the input for the next phase sequentially.

The following illustrate  
on is a representation of the different phases of the Waterfall Model.

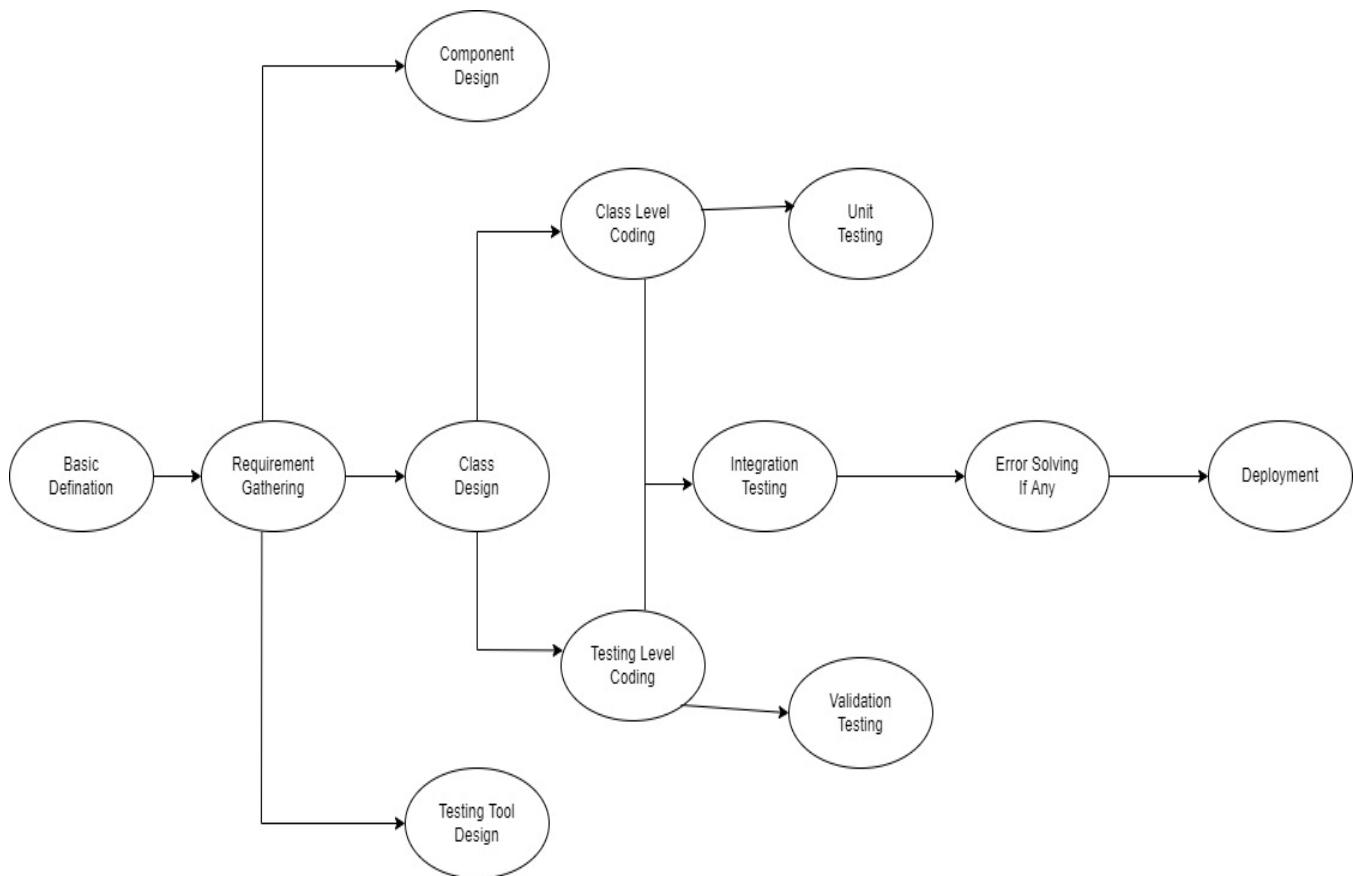


#### 4.3 Risk Analysis

Risk Analysis is very essential for software testing. In software testing, risk analysis is the process of identifying risks in applications and prioritizing them to test. A risk is a potential for loss or damage to an organization from materialized threats. Risk Analysis attempts to identify all the risks and then quantify the severity of the risks. A threat as we have seen is a possible damaging event. If it occurs, it exploits vulnerability in the security of a computer based system.

## 4.4 Project Schedule

### 4.4.1 Task Dependency



#### 4.4.2 Timeline Chart

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Date	4	11	18	25	6	11	18	24	1	5	8	10	13	16	
Month \ Activity	April				May				June						
<b>Further Analysis</b>															
<b>Learning Process</b>															
<b>Design</b>															
<b>Coding and Testing</b>															
<b>Documentation</b>															
<b>Final Documentation</b>															

## 5. System Analysis

### 5.1 Detailed SRS

Actors :-

- Admin
- Restaurant
- Customer
- Visitor

❖ Admin Panel (Functionality) :-

- The admin approves the restaurant
- The admin will upgrade, remove ,search and view the restaurant
- Admin can manage added restaurant pending and rejected restaurant
- Admin can add,update,remove,view and search in Category (Like :- Italian,Gujarati,Chinese, etc....)
- Admin add,update,remove,view and search a menu category wise (Menu Like :- Select category chines then add menu Manchurian, Chinese bhel, etc. )
- View all reviews (restaurant and customer)
- The admin will sometimes offer discounts to the customer's
- Manage order status (pending,cancelled,completed,approve,processing,ongoing)
- Generate Invoice

❖ Restaurant Panel (Functionality) :-

- The restaurant will be able to operate after the admin approves the restaurant
- Restaurant can view and accept the order
- Add, update ,remove food item from the menu
- Update price for a given food item
- Update additional information (description,image,etc.) for a given food item
- The restaurant will be able to see the customer who made the payment
- View all the customers
- Can see which customer's order status
- View all reviews given by customer's

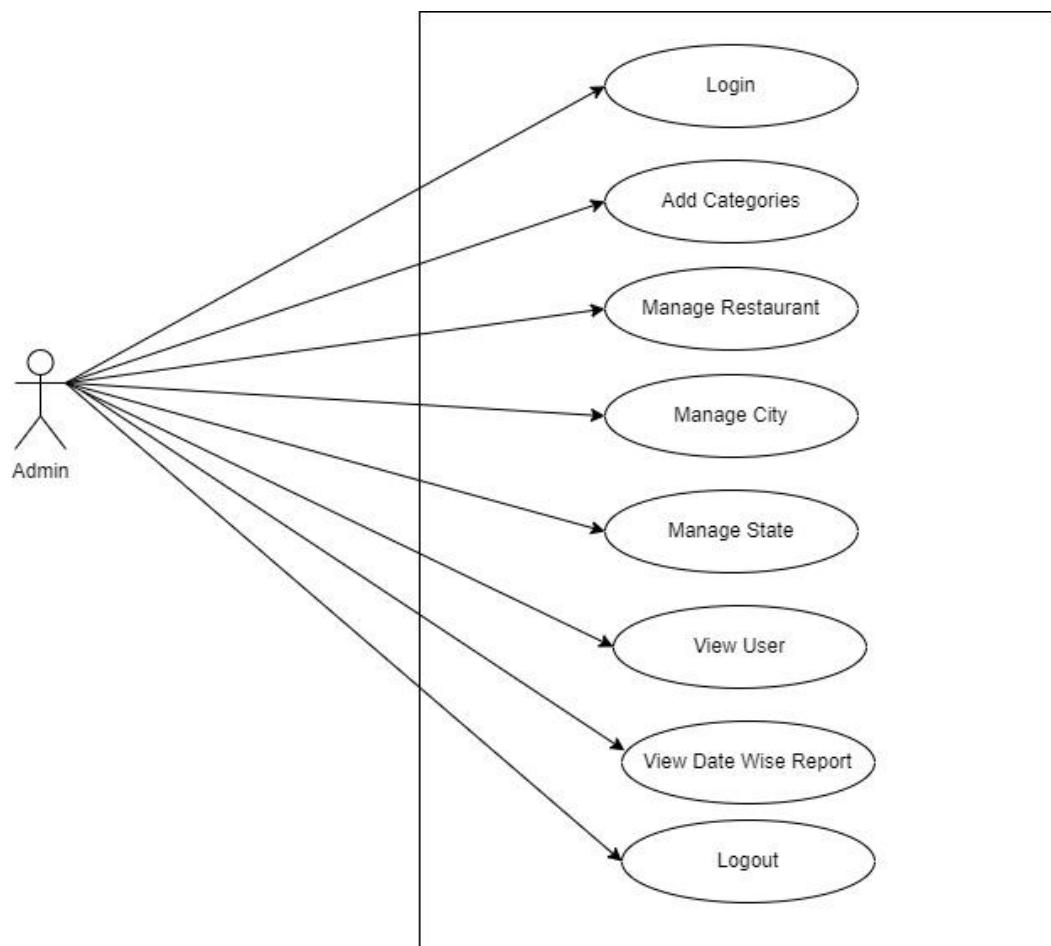
❖ Customer (Functionality) :-

- Login into the system
- Add the location (area,city,state)
- View all the restaurants
- View all the category wise menu
- Add a review in system
- Will select the restaurant of his choice
- Select one or multiple item from the menu list
- Select the item you want to add to the cart
- Then order the selected item
- Give a payment for particular order
- View the order status
- When the restaurant offers a discount, the customer will be able to get a discount on his order
- Receive an invoice

## 5.2 UML Diagram

### 5.2.1 Use Case Diagram

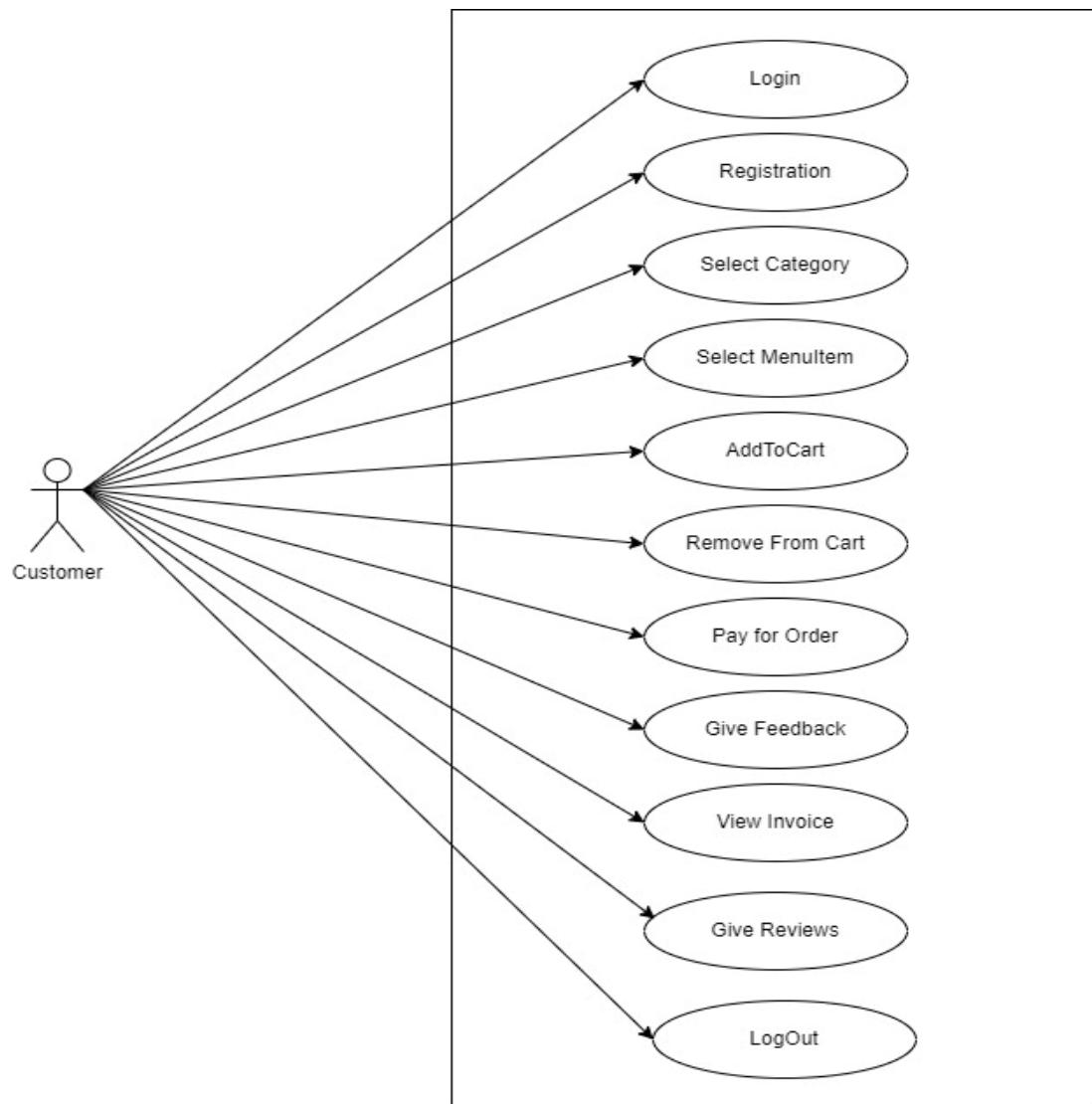
Admin Side



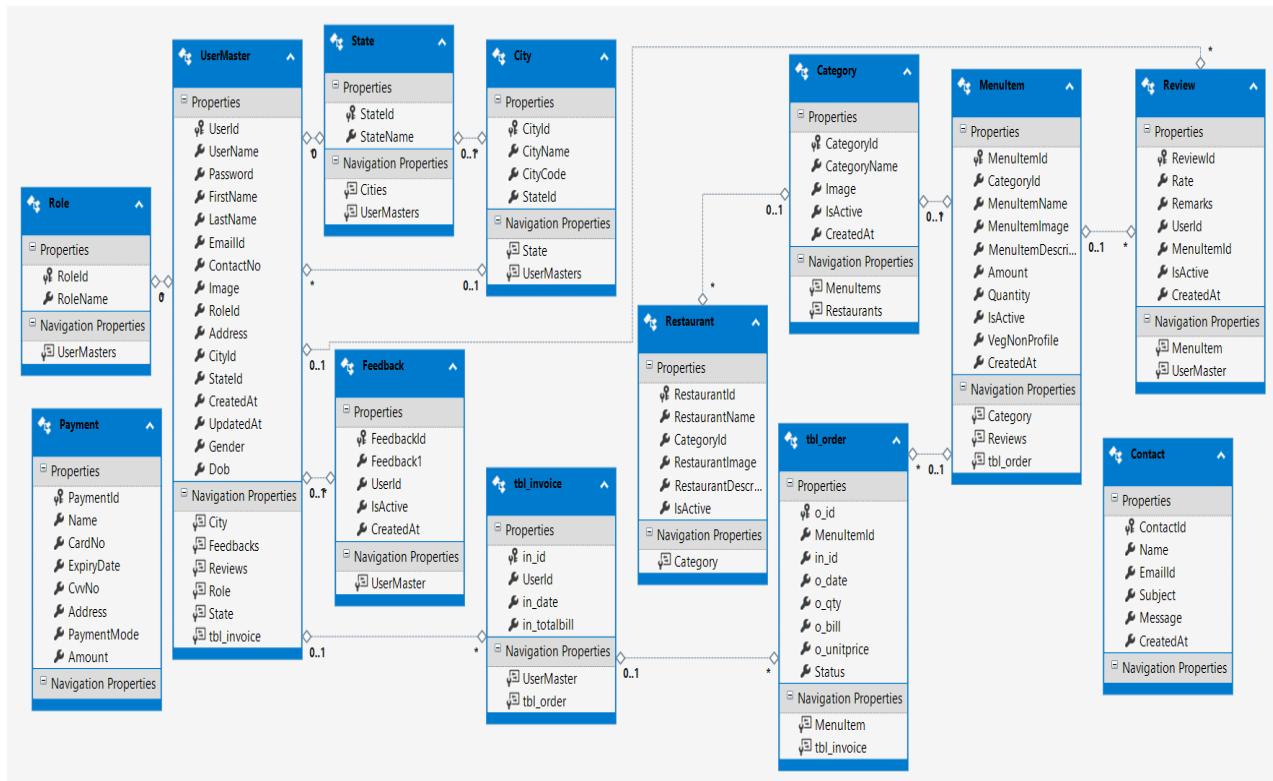
### Restaurant Side



Customer Side

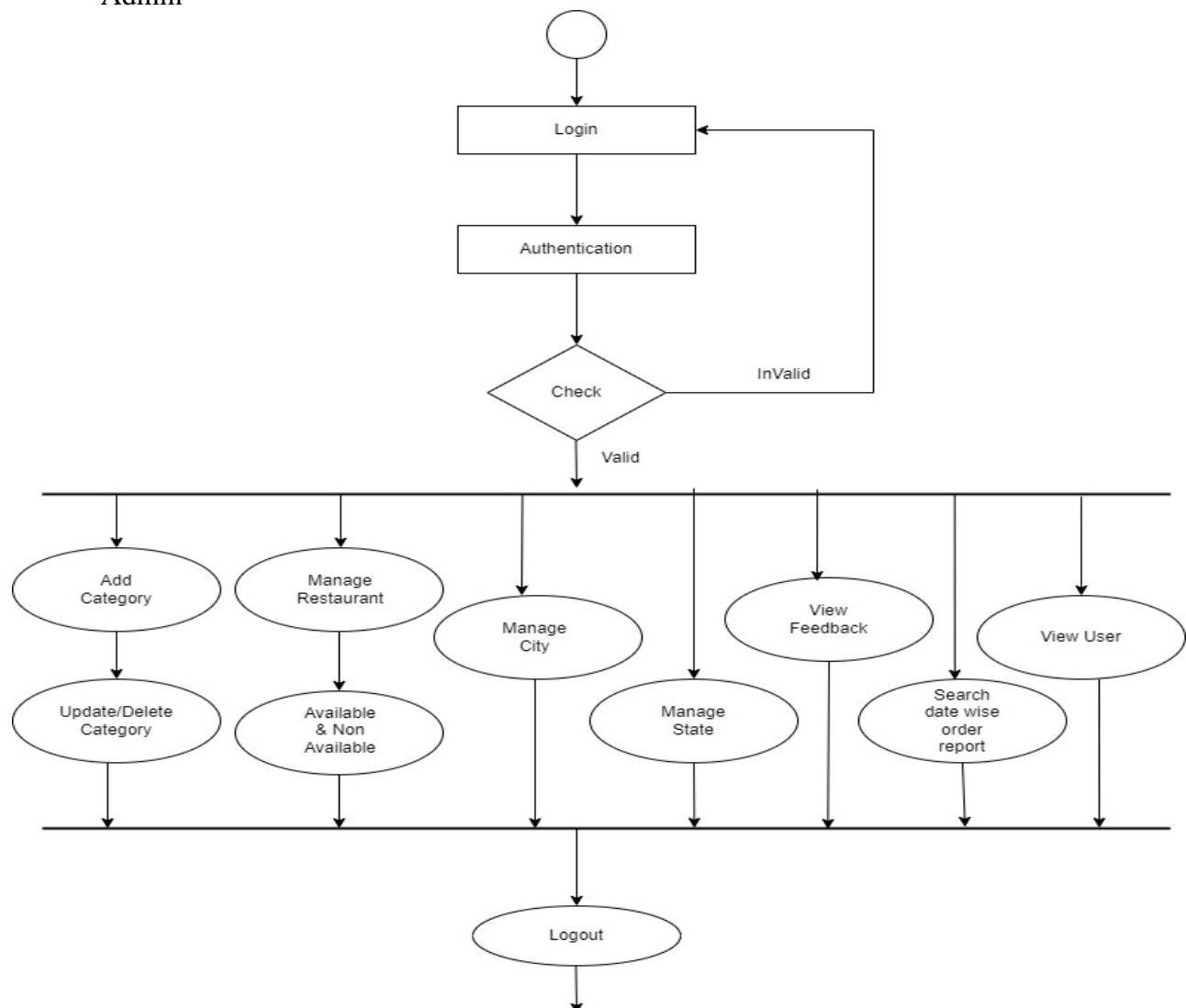


### 5.2.2 Class Diagram

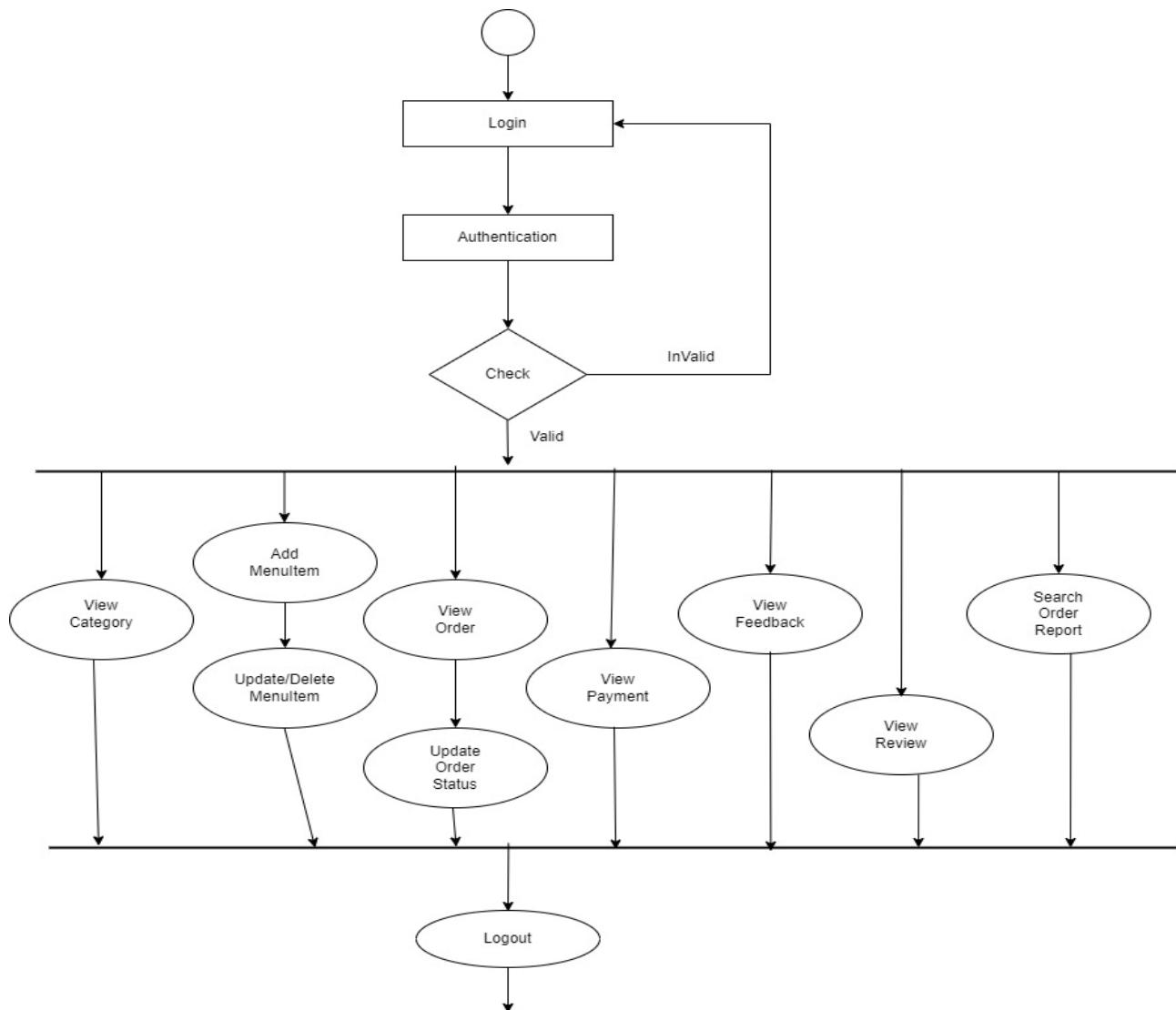


### 5.2.3 Activity Diagram

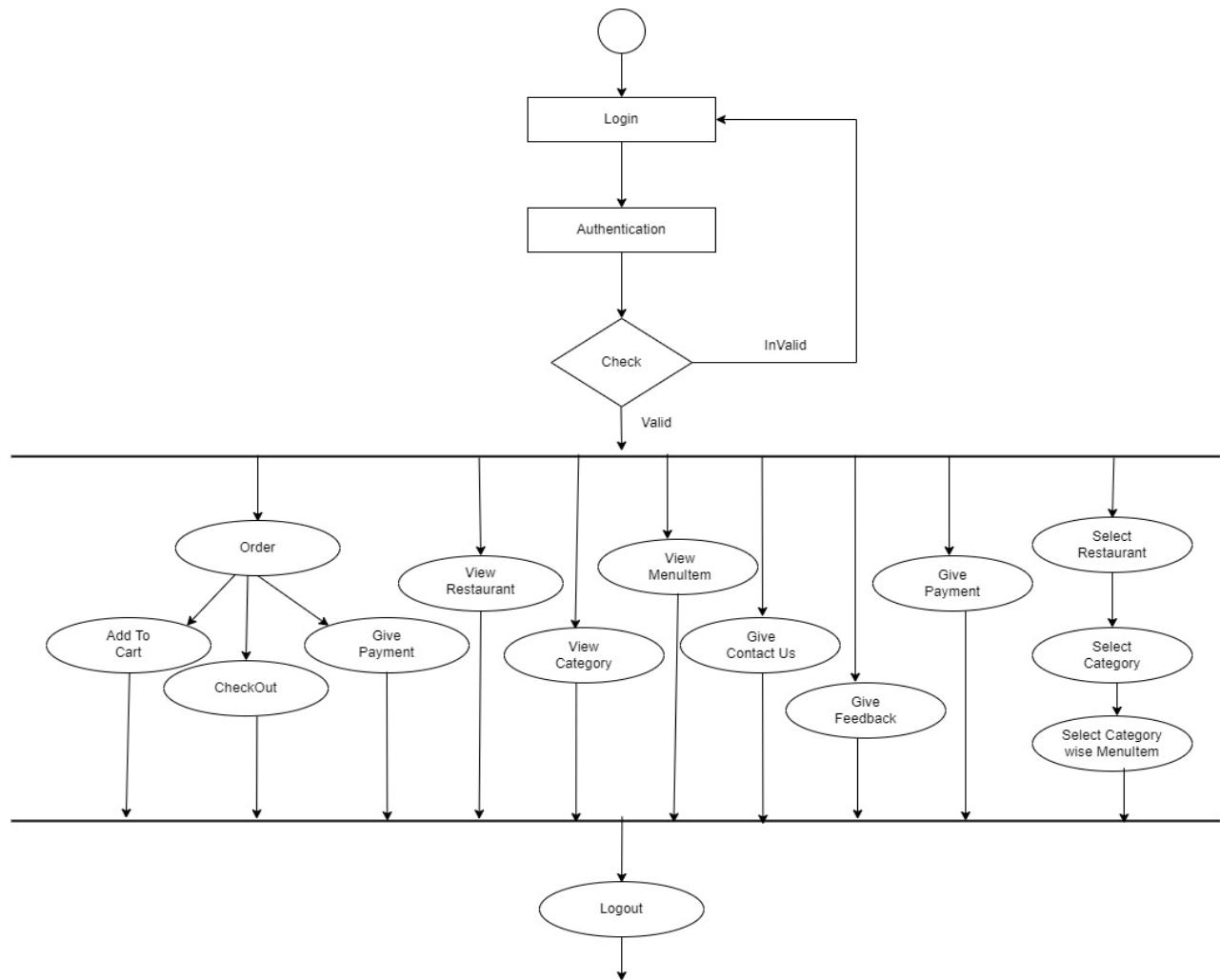
Admin



## Restaurant

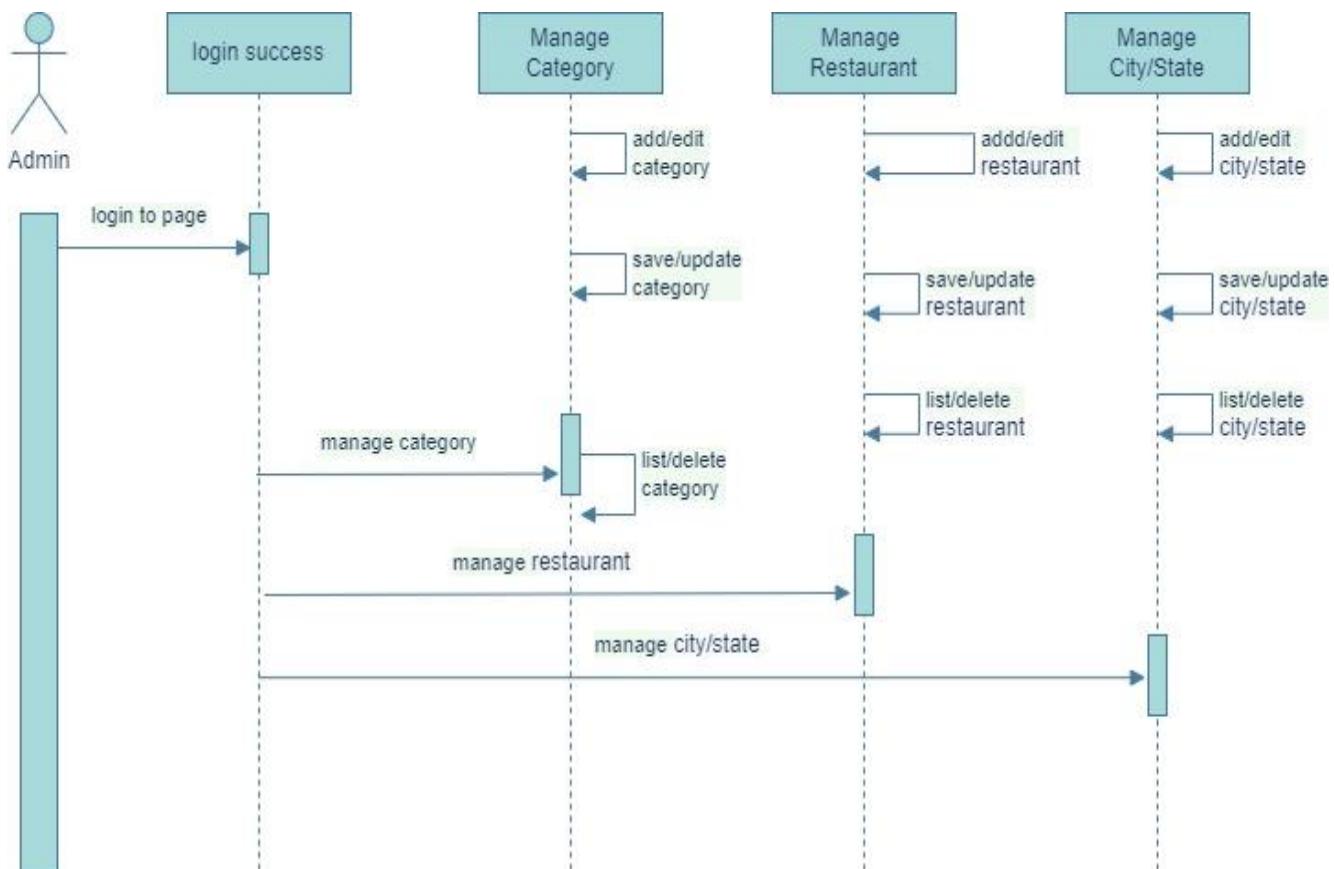


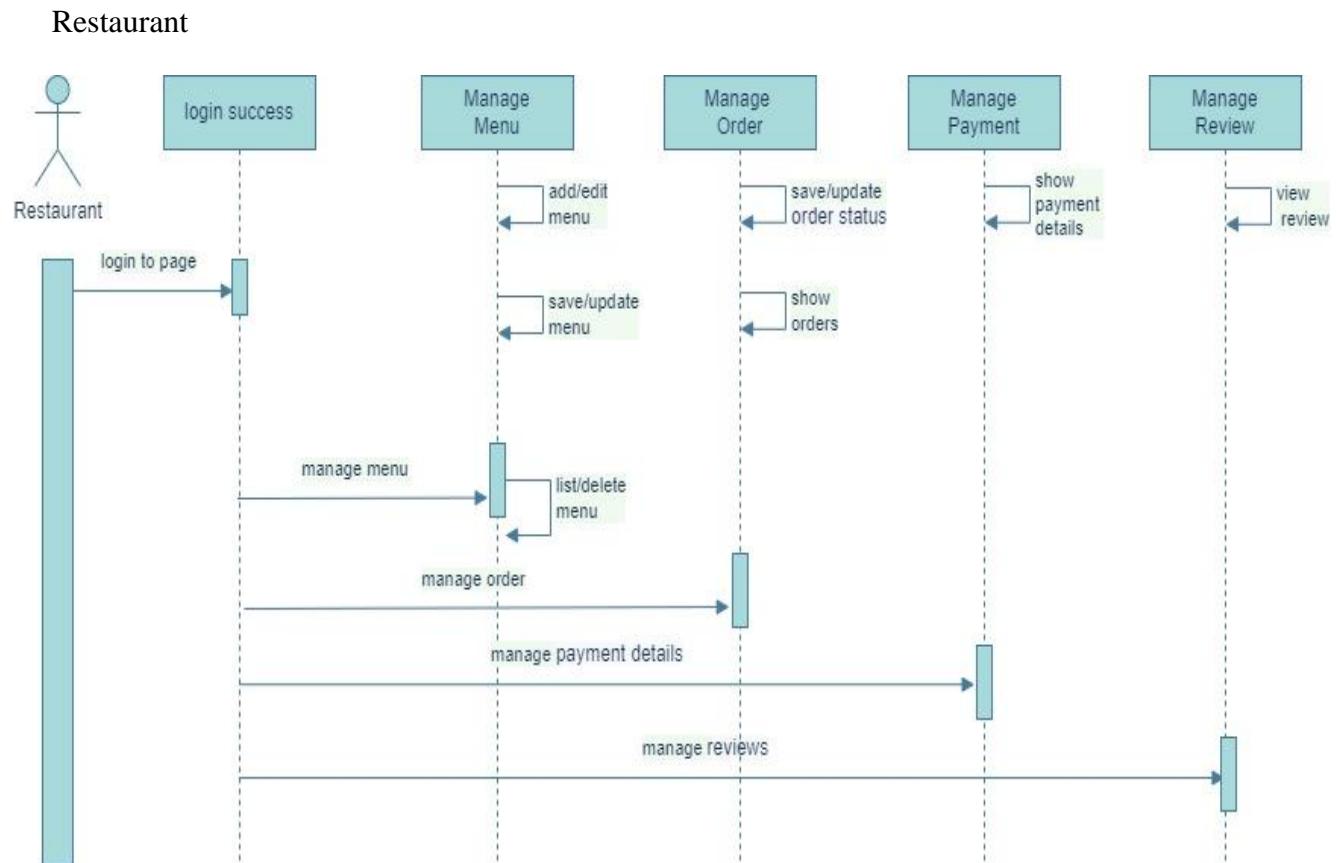
## Customer

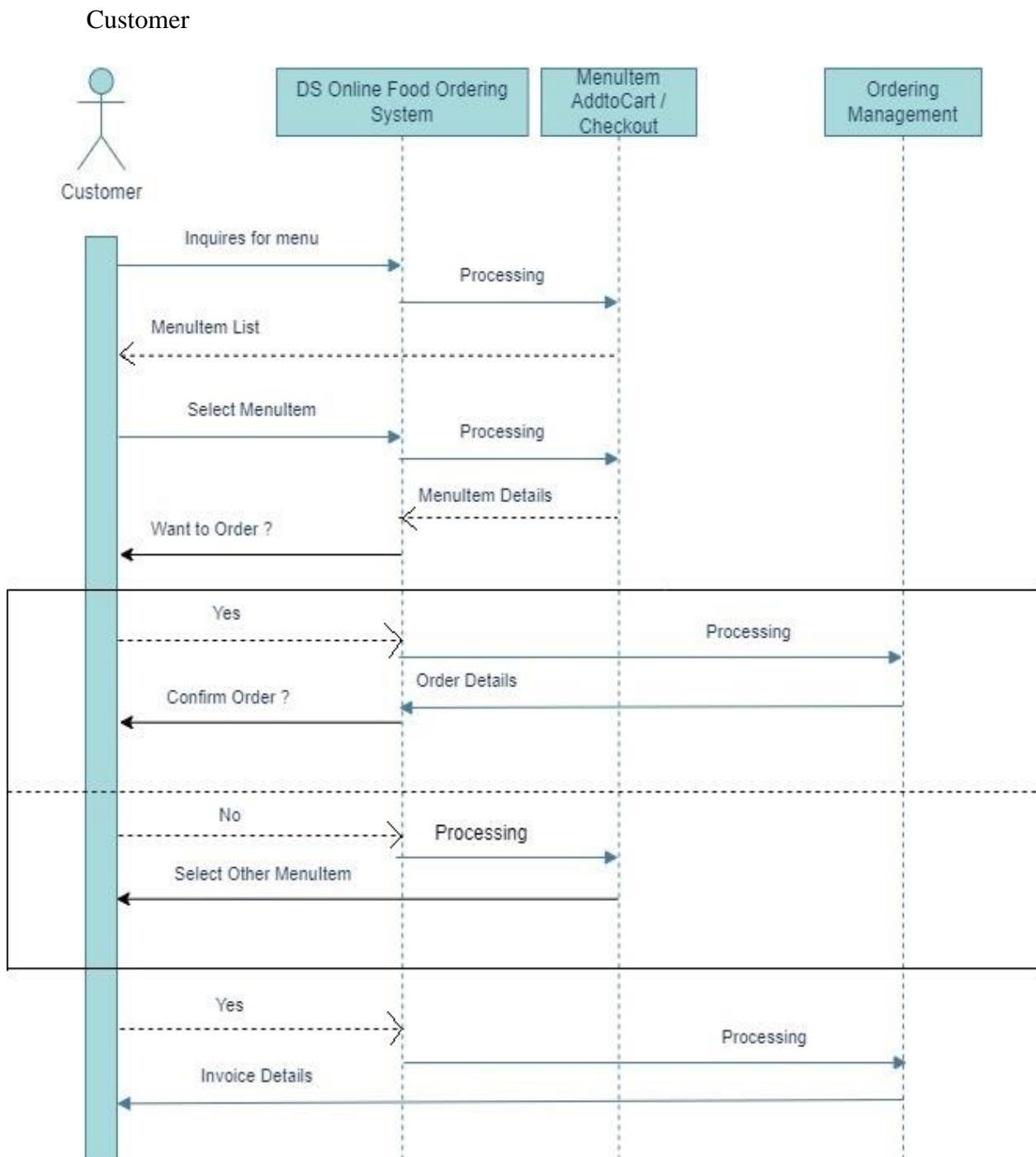


### 5.2.4 Sequence Diagram

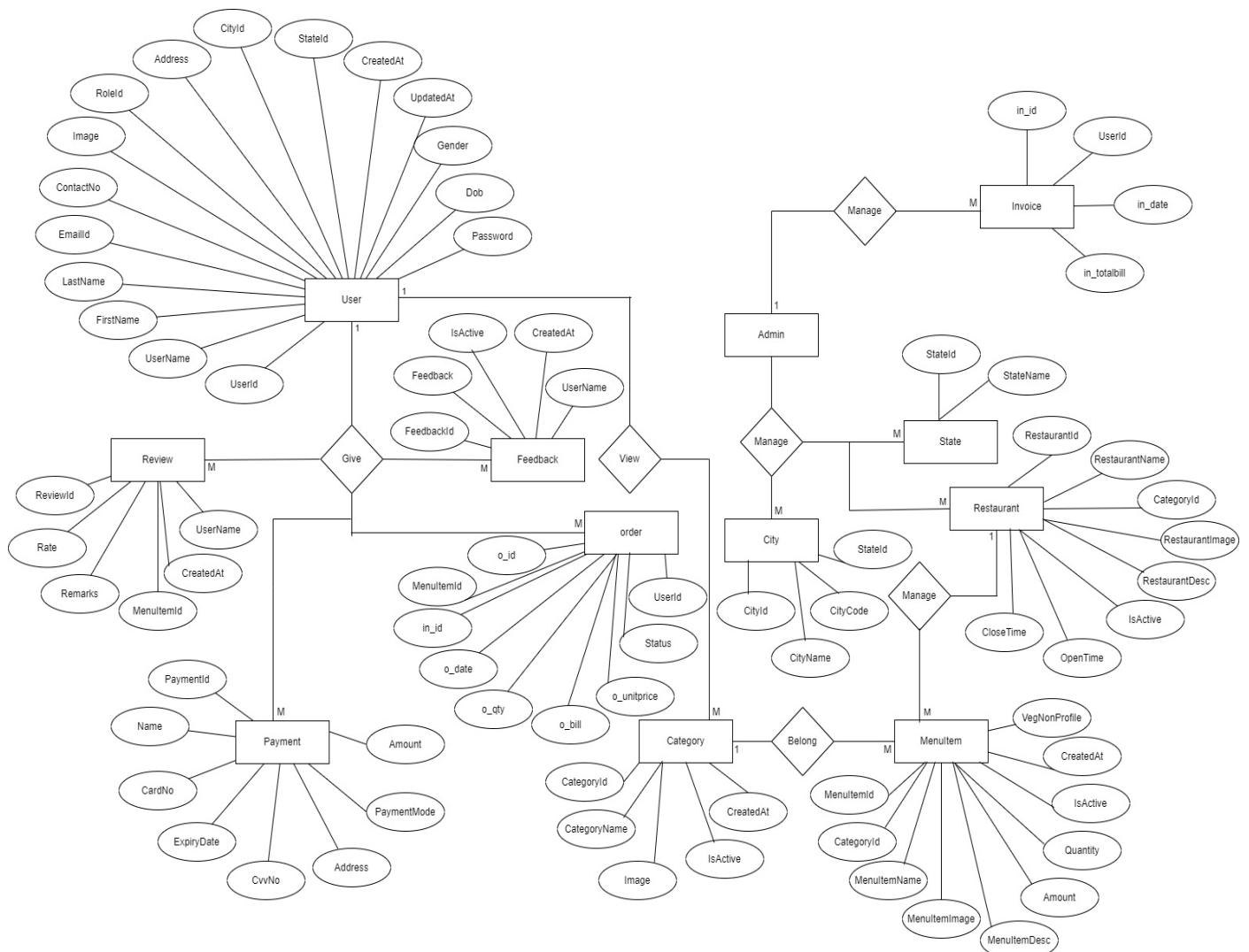
Admin







### 5.3 E-R Diagram



## 6. Software Design

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### 6.1 Database Design

#### 1. Table : Category

Primary Key : CategoryId

Field Name	Description	Type	Required
CategoryId	Category Id	Int	Yes
CategoryName	Category Name	varchar	Yes
Image	Category Image	varchar(MAX)	Yes
IsActive	Category Active	bit	Yes
CreatedAt	Category Create Date	datetime	Yes

#### 2. Table : City

Primary Key : CityId

Foreign Key : StateId

Field Name	Description	Type	Required
CityId	City Id	Int	Yes
CityName	City Name	varchar	Yes
StateId	State Id	Int	Yes
CityCode	City Code	Int	Yes

### 3. Table : Feedback

Primary Key : FeedbackId

FieldName	Description	Type	Required
FeedbackId	Feedback Id	int	Yes
Feedback	Feedback Description	Varchar	Yes
UserName	UserName	Varchar	Yes
IsActive	Feedback IsActive	bit	Yes
CreatedAt	Feedback CreatedAt	datetime	Yes

### 4. Table : MenuItem

Primary Key : MenuItemId

Foreign Key : CategoryId

FieldName	Description	Type	Required
MenuItemId	MenuItem Id	Int	Yes
CategoryId	Category Id	Int	Yes
MenuItemName	MenuItem Name	varchar	Yes
MenuItemImage	MenuItem Image	varchar	Yes
MenuItemDescription	MenuItem Description	varchar	Yes
Amount	Category Amount	Int	Yes
Quantity	Category Quantity	Int	Yes
IsActive	Category IsActive	Bit	Yes
CreatedAt	CreatedAt	datetime	Yes
VegNonProfile	VegNonProfile	bit	Yes

**5. Table : Order**

Primary Key : OrderID

Foreign Key : MenuItemId, in\_id

FieldName	Description	Type	Required
<b>o_id</b>	Order Id	int	Yes
<b>in_id</b>	Invoice Id	int	Yes
<b>MenuItemId</b>	MenuItem Id	int	Yes
<b>Status</b>	Status	varchar	Yes
<b>o_qty</b>	Order Quantity	int	Yes
<b>o_bill</b>	Order Bill	int	Yes
<b>o_unitprice</b>	Order Unitprice	int	Yes
<b>o_date</b>	Order Date	datetime	Yes

**6. Table : Payment**

Primary Key : PaymentId

FieldName	Description	Type	Required
<b>PaymentId</b>	Payment Id	Int	Yes
<b>Name</b>	User Name	Varchar	Yes
<b>CardNo</b>	Card Number	Int	Yes
<b>ExpiryDate</b>	Expiry Date	datetime	Yes
<b>CvvNo</b>	Card Cvv Number	Int	Yes
<b>Address</b>	Address	varchar	Yes
<b>PaymentMode</b>	Payment Mode	varchar	Yes

## 7. Table : Restaurant

Primary Key : RestaurantId

Foreign Key : CategoryId

FieldName	Description	Type	Required
<b>RestaurantId</b>	Restaurant Id	int	Yes
<b>RestaurantName</b>	Restaurant Name	varchar	Yes
<b>CategoryId</b>	Category Id	int	Yes
<b>RestaurantImage</b>	Restaurant Image	varchar	Yes
<b>RestaurantDescription</b>	Restaurant Description	varchar	Yes
<b>IsActive</b>	Restaurant IsActive	bit	Yes
<b>OpenTime</b>	Restaurant OpenTime	varchar	Yes
<b>CloseTime</b>	Restaurant CloseTime	varchar	Yes

## 8. Table : Review

Primary Key : payment\_detail\_id

Foreign Key : MenuItemId

FieldName	Description	Type	Required
<b>ReviewId</b>	Review Id	int	Yes
<b>Rate</b>	Rate	int	Yes
<b>Remarks</b>	Remarks	varchar	Yes
<b>UserName</b>	UserName	varchar	Yes
<b>MenuItemId</b>	MenuItem Id	int	Yes
<b>CreatedAt</b>	Created At	datetime	Yes
<b>IsActive</b>	IsActive	bit	Yes

**9. Table : Roles**

Primary Key : RoleId

FieldName	Description	Type	Required
<b>RoleId</b>	Role Id	int	Yes
<b>RoleName</b>	Role Name	varchar	Yes

**10. Table : State**

Primary Key : StateId

FieldName	Description	Type	Required
<b>StateId</b>	State Id	int	Yes
<b>StateName</b>	State Name	Varchar	Yes

**11. Table : Invoice**

Primary Key : in\_id

Foreign Key : UserId

FieldName	Description	Type	Required
<b>in_id</b>	Invoice Id	int	Yes
<b>UserId</b>	User Id	varchar	Yes
<b>in_date</b>	Invoice Date	datetime	Yes
<b>in_totalbill</b>	Invoice total bill	Float	Yes

**12. Table : UserMaster**

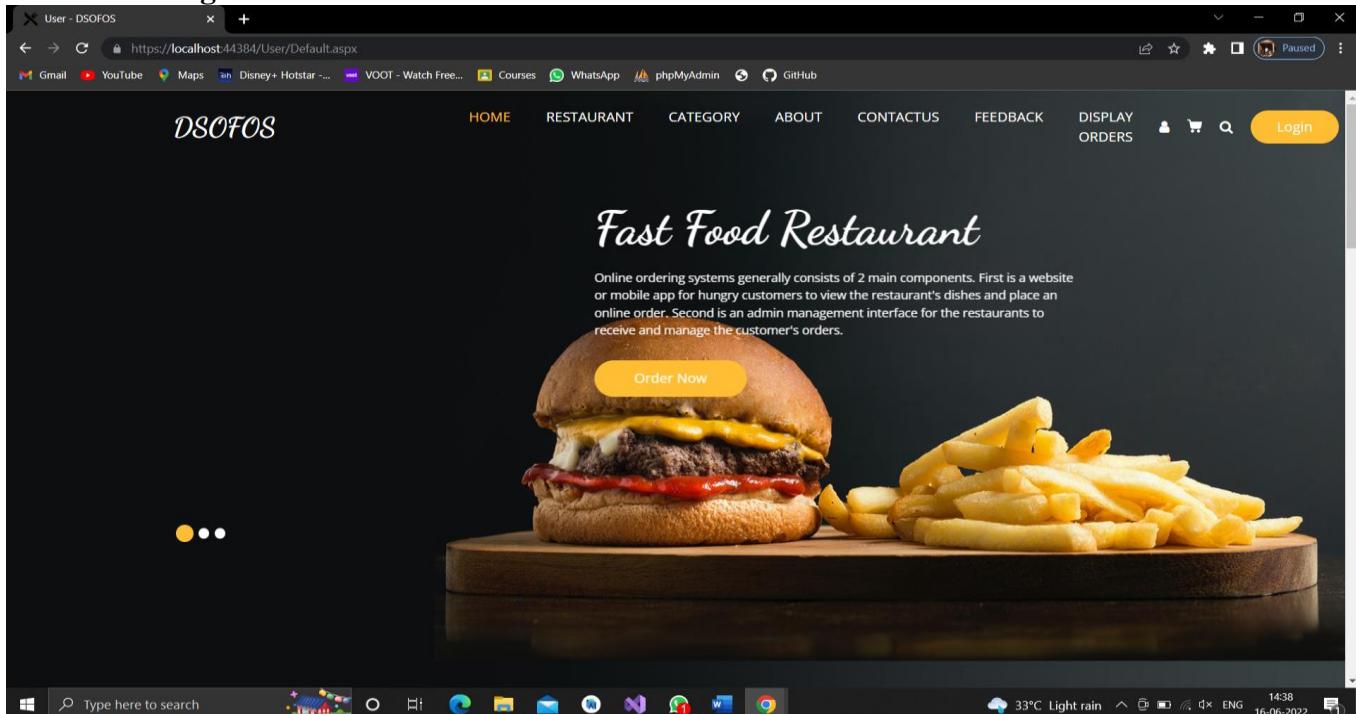
Primary Key : UserId

Foreign Key : CityId, StateId, RoleId

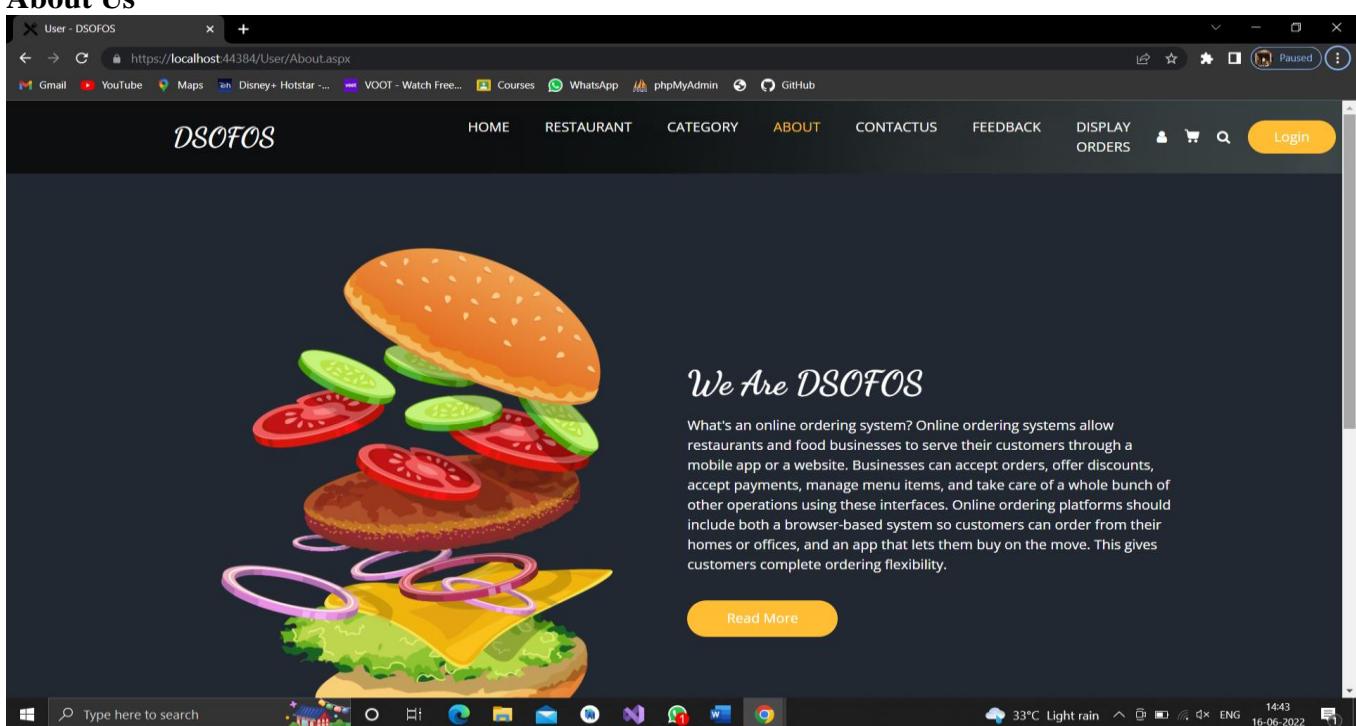
FieldName	Description	Type	Required
<b>UserId</b>	User Id	int	Yes
<b>UserName</b>	User Name	varchar	Yes
<b>FirstName</b>	First Name	varchar	Yes
<b>LastName</b>	Last Name	varchar	Yes
<b>Address</b>	Address	varchar	Yes
<b>ContactNo</b>	User Phone number	int	Yes
<b>Dob</b>	User Date Of Birth	Date	No
<b>Gender</b>	Gender	varchar	Yes
<b>Image</b>	User Photo	varchar	Yes
<b>EmailId</b>	User Email	varchar	Yes
<b>Password</b>	Password	varchar	Yes
<b>CityId</b>	User City Id	varchar	Yes
<b>StateId</b>	User State Id	varchar	Yes
<b>RoleId</b>	RoleId	int	Yes
<b>CreatedAt</b>	CreatedAt	datetime	Yes

## 6.2 Interface Design sitemap followed with page snapshots

### Home Page



### About Us



## Contact Us

Index Customer - DSOFOS

<https://localhost:44384/EmailSetup>

Gmail YouTube Maps Disney+ Hotstar ... VOOT - Watch Free... Courses WhatsApp phpMyAdmin GitHub

DSOFOS HOME RESTAURANT CATEGORY ABOUT CONTACTUS FEEDBACK DISPLAY ORDERS

Contact Us

To: Vidhikatrodya0512@gmail.com

Subject: website related

Body: This web is nice and very useful web

Send

Mail has been sent successfully...

Type here to search

33°C Light rain 14:50 16-06-2022

User - DSOFOS

<https://localhost:44384/User/Login.aspx>

Gmail YouTube Maps Disney+ Hotstar ... VOOT - Watch Free... Courses WhatsApp phpMyAdmin GitHub

DSOFOS HOME RESTAURANT CATEGORY ABOUT CONTACTUS FEEDBACK DISPLAY ORDERS Login

*Login*



Enter Username

Enter Password

Login New User? [Register Here..](#)



## Register Page

User Registration

Enter Username	Enter Mobile Number
Enter First Name	Enter Address
Enter Last Name	Choose File No file chosen
Enter Email Id	Enter Password

[Register](#)   [Already registered? Login Here...](#)

## Restaurants View

Restaurants

RestaurantName	RestaurantImage	RestaurantDescription	OpenTime	CloseTime	IsActive	CategoryName
Surabhi Res		All Item are available in Gujarati	9 : 00 am	12 : 00 pm	active	Gujrati
Chinese Restaurant		All Item are available in Chinese	9 : 00 am	10 : 00 pm	active	Chinese
Sai Dhaba		All Item are available in Panjabi	10 : 00 am	11 : 00 pm	de-active	Punjabi
Restaurant		Available All Menu	9 : 00 am	11 : 00 pm	active	All Type

## Category View

Index Customer - DSOFOS

https://localhost:44384/Categories/Index

Gmail YouTube Maps Disney+ Hotstar ... VOOT - Watch Free... Courses WhatsApp phpMyAdmin GitHub

DSOFOS HOME RESTAURANT CATEGORY ABOUT CONTACTUS FEEDBACK DISPLAY ORDERS

Total Bill: 0 Rs

[Check Out](#)

### Category Lists

Search Category:  [Search](#)

CategoryName	Image	Action
All Type		<a href="#">Show Menu</a>
Chinese		<a href="#">Show Menu</a>
Gujrati		<a href="#">Show Menu</a>

Type here to search 33°C Light rain 14:51 16-06-2022

## Show MenuItem List

ShowMenu Customer - DSOFOS

https://localhost:44384/Categories>ShowMenu?categoryId=6

Gmail YouTube Maps Disney+ Hotstar ... VOOT - Watch Free... Courses WhatsApp phpMyAdmin GitHub

DSOFOS HOME RESTAURANT CATEGORY ABOUT CONTACTUS FEEDBACK DISPLAY ORDERS

### Menu Lists

<p><b>Gujarati Thali</b></p> <p>It's a very nice</p> <p>100.00</p> <p><a href="#">Add To Cart</a></p> <p><a href="#">Review</a></p>	<p><b>Thepla</b></p> <p>A smattering of every flavour!</p> <p>150.00</p> <p><a href="#">Add To Cart</a></p> <p><a href="#">Review</a></p>
---	---

Type here to search 33°C Light rain 14:53 16-06-2022

## AddtoCart

Adtocart - My ASP.NET Application

Application name Home About Contact Register Log in

### Add To Cart Lists



MenuItem Name: Gujarati Thali

Price: 100.00 Rs.

Description: It's a very nice

© 2022 - My ASP.NET Application

## CheckOut

checkout Customer - DSOFOS

DSOFOS

HOME RESTAURANT CATEGORY ABOUT CONTACTUS FEEDBACK DISPLAY ORDERS

### checkout

ID	NAME	PRICE	QUANTITY	Status	BILL
13	Gujarati Thali	100	6	Pending	600

600

[checkout](#) [go Back](#)

Type here to search

Very high UV 14:56 16-06-2022

## Payment

Total Bill: 600 Rs

Enter Payment Details

FullName	Darshvi Patel
CardNo	74859648574896
ExpiryDate	12-10-2023
CvNo	...
Address	Vithalnagar
PaymentMode	Credit Card
<a href="#">Create</a>	

[Back to List](#)



## Generate Invoice

INVOICE\_GENARATION

Invoice No.: 13	Full Name: DS Online Food Ordering System
Email Address: DSOFOS@gmail.com	Address: DSOFOS
	Phone Number: +91 7894561231
	City,State,Pincode: Surat, Gujarat, 395006

[Copy](#) [Excel](#) [PDF](#) [CSV](#)

Search:

ID	NAME	PRICE	QUANTITY	BILL
13	Gujarati Thali	100	6	600
				600



## Review

The screenshot shows a browser window for 'ShowComment Customer - DSOFOS' at <https://localhost:44384/Categories>ShowComment?menutemId=13>. The page displays a comment from 'Dhruv' posted on '07-Jun-2022' with a rating of 5 stars. Below the comment is a text input field for entering a new comment, a user name input field, and a 'Save Comment' button.

## Feedback

The screenshot shows a browser window for 'Create Customer - DSOFOS' at <https://localhost:44384/FeedbacksUser/Create>. The page displays a 'Create Feedback' form with fields for 'Feedback' (containing 'hello DSOFOS'), 'UserName' (containing 'Darshu'), and 'CreatedAt' (containing '16-06-2022'). A 'Create' button is visible at the bottom of the form.

## Display Orders

The screenshot shows a web browser window titled "Index Customer - DSOFOS". The URL is [https://localhost:44384/tbl\\_orderUser/Index](https://localhost:44384/tbl_orderUser/Index). The page header includes links for HOME, RESTAURANT, CATEGORY, ABOUT, CONTACTUS, FEEDBACK, DISPLAY ORDERS, and user profile icons. Below the header is a search bar labeled "Check Order Status" with a "Search" button. A table displays order details:

<b>o_date</b>	<b>o_qty</b>	<b>o_bill</b>	<b>o_unitprice</b>	<b>Status</b>	<b>MenuItemName</b>	<b>in_id</b>	<b>UserName</b>
07-06-2022 22:53:54	2	200	100	Delivered	Gujarati Thali	167	Darshu
07-06-2022 22:53:54	2	300	150	In Progress	Chhole Bhature	167	Darshu
07-06-2022 22:57:44	2	200	100	In Progress	Gujarati Thali	168	Darshu
16-06-2022 00:00:00	4	600	150	In Progress	Roti Chawal	186	Darshu
16-06-2022 14:56:42	6	600	100	Pending	Gujarati Thali	187	
16-06-2022 00:00:00	4	1000	250	pending	Spring Rolls	185	Darshu

Pages 1 of 1

1

## Customer Profile

The screenshot shows a web browser window titled "User - DSOFOS". The URL is <https://localhost:44384/User/Profile.aspx>. The page header includes links for HOME, RESTAURANT, CATEGORY, ABOUT, CONTACTUS, FEEDBACK, DISPLAY ORDERS, and a Logout button. Below the header is a section titled "Customer Information" featuring a profile picture of a woman and the name "dhruvi". The profile information includes:

<b>Username</b>	Dhruvi
<b>FirstName</b>	dhruvi
<b>LastName</b>	katrodiya
<b>Email</b>	dhruvikatrodiya22@gmail.com
<b>Mobile No.</b>	7456124152
<b>Address</b>	Vithalnagar soc., Hirabaug, Varachha Road, Surat

Below the table are tabs for "Basic Info" (selected) and "Purchased History". The Windows taskbar at the bottom shows various pinned icons and the system tray indicating 33°C, Light rain, and the date 16-06-2022.

## Admin Side

### Admin Login

### Dashboard

## Add Category

The screenshot shows the 'Category' section of the admin interface. On the left, a sidebar lists various administrative functions like Dashboard, Categories, Restaurants, City, State, User, Feedback, and Selling Report. The main area has two tabs: 'CATEGORY' (active) and 'CATEGORY LISTS'. The 'CATEGORY' tab contains fields for 'Category Name' (with placeholder 'Enter the category name') and 'Category Image' (with a 'Choose File' button and a note 'No file chosen'). It also includes a checkbox for 'IsActive' and two buttons: 'Add' and 'Clear'. The 'CATEGORY LISTS' tab displays a table of existing categories:

Category Name	Image	IsActive	CreatedAt	Action
All Type		Active	08-06-2022 10:37:56	<a href="#">Edit</a> <a href="#">Delete</a>
Chinese		Active	07-06-2022 19:05:06	<a href="#">Edit</a> <a href="#">Delete</a>
Gujrati		Active	07-06-2022 19:04:21	<a href="#">Edit</a> <a href="#">Delete</a>
Punjabi		Active	07-06-2022 19:04:43	<a href="#">Edit</a> <a href="#">Delete</a>

At the bottom right of the lists area, there are navigation buttons: '< 1 >'.

## Manage Restaurants

The screenshot shows the 'Restaurants' section of the admin interface. The sidebar is identical to the previous screenshot. The main area is titled 'Restaurants' and includes a 'Create New' button and a search bar ('Search Restaurant: [ ] Search'). Below is a table listing four restaurants:

RestaurantName	RestaurantImage	RestaurantDescription	OpenTime	CloseTime	IsActive	CategoryName	Action
Chinese Restaurant		All Item are available in Chinese	9 : 00 am	10 : 00 pm	active	Chinese	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Restaurant		Available All Menu	9 : 00 am	11 : 00 pm	active	All Type	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Sai Dhaba		All Item are available in Panjabi	10 : 00 am	11 : 00 pm	de-active	Punjabi	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Surabhi Res		All Item are available in Gujarati	9 : 00 am	12 : 00 pm	active	Gujrati	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

At the bottom right of the lists area, there are navigation buttons: '< 1 >'.

**Create Restaurant**

RestaurantName:

CategoryId:

RestaurantImage:  No file chosen

Description:

IsActive:  Active  De-Active

OpenTime:

CloseTime:

**Create**

## Manage City

**Index**

Create New

Search Cities:

CityName	CityCode	StateName	Action
Amod	2641	Gujarat	Edit   Details   Delete
Anand	2692	Gujarat	Edit   Details   Delete
Fatehabad	1667	Haryana	Edit   Details   Delete
Hajo	3664	Assam	Edit   Details   Delete
Halflong	3673	Assam	Edit   Details   Delete

Pages 1 of 2

**1** **2** **>**

**Create City**

CityName:

CityCode:

StateId:

[Create](#)

[Back to List](#)

## Manage State

**State Details**

Create New

Search State:  [Search](#)

StateName	Action
Assam	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Goa	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Gujarat	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Haryana	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Karnataka	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

Pages 1 of 2

[1](#) [2](#) [»](#)

**Create State**

StateName:

**Create**

[Back to List](#)

**DSOFOS**

- Layout
- Dashboard**
- Forms & Tables
  - Categories**
  - Restaurants
  - City
  - State**
  - User
  - Feedback
- Other
  - Selling Report

## Manage User

UserName	FirstName	LastName	EmailId	ContactNo	Image	Address	Action
Darshu	darshvi	patel	darshvipatel0201@gmail.com	8545967485		Hirabaug, Varachha Road,Surat	<a href="#">Delete</a>
Dhruvi	dhrushi	katrodiya	dhruvikatrodya22@gmail.com	7456124152		Vithalnagar soc.,Hirabaug,Varachha Road ,Surat	<a href="#">Delete</a>
Ram	ram	patel	rampatel01@gmail.com	8545967485		jakatnaka	<a href="#">Delete</a>
Shilpa	shilpa	maniya	shilpamaniya@gmail.com	9645748596		soham nagar,surat	<a href="#">Delete</a>

Search User:  **Search**

Pages 1 of 1

**DSOFOS**

- Layout
- Dashboard**
- Forms & Tables
  - Categories**
  - Restaurants
  - City
  - State**
  - User
  - Feedback
- Other
  - Selling Report

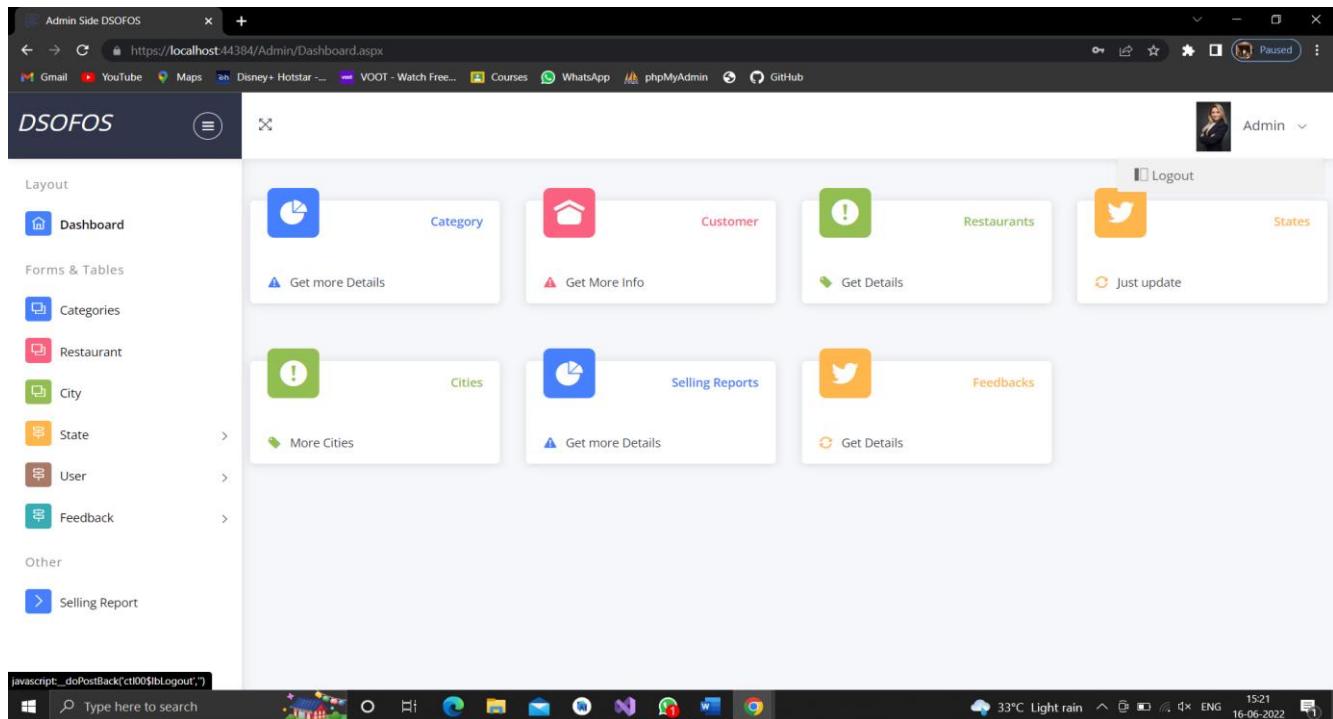
## Manage Feedback

Feedback	CreatedAt	UserName	Action
hello DSOFOS	16-06-2022	Dhruvi	Delete
welcome	14-06-2022	Darshu	Delete

## Manage Selling Report

Order ID	Order Date	Order Quantity	Order Price	Order Bill	Order MenuItemID
219	16-06-2022 00:00:00	4	250	1000	18
220	16-06-2022 00:00:00	4	150	600	19
221	16-06-2022 14:56:42	6	100	600	13

## Admin Logout



## Restaurant Side

### Restaurant Login

*Login*

Restaurant

.....

Login      New User? [Register Here..](#)

### Dashboard

Restaurant Side DSOFOS

Category List

Customer

Menus

Order Lists

Payment Lists

Selling Reports

Restaurant

## View Category

The screenshot shows the 'Category Lists' page. On the left, there is a sidebar with navigation links: Layout, Dashboard, Categories, Menu, Order, Payment, Other, Selling Report, and Review. The main content area has a title 'CATEGORY LISTS' and a table with columns: Category Name, Image, IsActive, and CreatedAt. The table contains four rows: All Type, Chinese, Gujarati, and Panjabi. Each row has a small image icon and a green 'Active' button.

Category Name	Image	IsActive	CreatedAt
All Type		Active	08-06-2022 10:37:56
Chinese		Active	07-06-2022 19:05:06
Gujrati		Active	07-06-2022 19:04:21
Punjabi		Active	07-06-2022 19:04:43

## Manage Menu

The screenshot shows the 'MENU LISTS' page. On the left, there is a sidebar with navigation links: Layout, Dashboard, Categories, Menu, Order, Payment, Other, Selling Report, and Review. The main content area has a title 'MENU' and a form for creating a new menu item. The form fields include: MenuItem Name (input field), MenuItem Description (input field), MenuItem Price(₹) (input field), MenuItem Quantity (input field), MenuItem Image (file input field), MenuItem Category (dropdown), IsActive (checkbox), and Veg-NonVeg (checkbox). To the right, there is a table titled 'MENU LISTS' with columns: MenuItem Name, MenuItem Image, Price(₹), Qty, Category, IsActive, and Veg-NonVeg. The table contains three rows: Amritsari Kulcha, Chhole Bhature, and Gujarati Thali. Each row includes a small image icon and status buttons.

MenuItem Name	MenuItem Image	Price(₹)	Qty	Category	IsActive	Veg-NonVeg
Amritsari Kulcha		180.00	9	Punjabi	In-Active	NON-VEG
Chhole Bhature		150.00	15	Punjabi	Active	VEG
Gujarati Thali		100.00	10	Gujrati	Active	VEG

The screenshot shows the 'Menu' section of the application. On the left, there's a sidebar with 'DSOFOS' branding and links for Dashboard, Categories, Menu, Order, Payment, Selling Report, and Review. The main area has a header 'MenuItem Category' with a dropdown 'Select Category' and buttons 'Add' and 'Clear'. Below this is a table listing menu items:

Action	MenuItem Name	Description	Created At	Action
	Gujarati Thali	It's a very nice	07-06-2022 22:24:40	100.00 10 Gujarati
	Manchuriyan	It's one of the most popular cuisine across the world	07-06-2022 22:29:14	220.00 6 Chinese
	Roti Chawal			150.00 4 All Type
	Spring Rolls			250.00 20 Chinese
	Thepla			150.00 20 Gujarati

At the bottom right of the table are navigation buttons: < 1 >.

## Manage Order

The screenshot shows the 'Order Details' section of the application. The sidebar is identical to the previous screenshot. The main area has a header 'Order Details' with a search bar 'Search Status:' and a 'Search' button. Below this is a table listing orders:

o_date	o_qty	o_bill	o_unitprice	Status	MenuItemName	in_id	UserName	Action
07-06-2022 22:53:54	2	200	100	Delivered	Gujarati Thali	167	Darshu	
07-06-2022 22:53:54	2	300	150	In Progress	Chhole Bhature	167	Darshu	
07-06-2022 22:57:44	2	200	100	In Progress	Gujarati Thali	168	Darshu	
16-06-2022 00:00:00	4	600	150	In Progress	Roti Chawal	186	Darshu	
16-06-2022 14:56:42	6	600	100	Pending	Gujarati Thali	187		
16-06-2022 00:00:00	4	1000	250	pending	Spring Rolls	185	Darshu	

At the bottom left of the table is a page number 'Pages 1 of 1' and at the bottom right is a page number '1'.

## Update Order Status

Restaurant Side DSOFOS

Edit  
tbl\_order

MenuItemId	Gujarati Thali
in_Id	167
o_date	07-06-2022 22:53:54
o_qty	2
o_bill	200
o_unitprice	100
Status	Delivered Update Status pending <b>In Progress</b> Delivered

Save

## Manage Payment

Restaurant Side DSOFOS

Payment Details

Name	CardNo	ExpiryDate	Address	PaymentMode
Dhrushi Katrodiya	74859647859647	2023-05-18	Vithalnagar	Credit Card
Dhrushi Katrodiya	96748596458596	2024-07-11	Hirabaug	Credit Card
Darshvi Patel	74859647859647	2022-06-30	Vithalnagar	Credit Card
Darshvi Patel	74859648574896	2023-10-12	Vithalnagar	Credit Card
ram patel	74859648574896	2023-03-11	jakatnaka	debitcard
Shilpa Maniya	45968574855896	2023-09-13	Soham Nagar	debitcard

Pages 1 of 1

## Manage Selling Report

The screenshot shows a web application interface for managing selling reports. On the left, a sidebar menu titled 'DSOFOS' lists various sections: Layout, Dashboard, Categories, Menu, Order, Payment, Other, Selling Report, and Review. The 'Selling Report' option is currently selected. The main content area is titled 'Date Wise Report' and displays two input fields for 'Start Date' (14-06-2022) and 'End Date' (17-06-2022), followed by a 'Submit' button. Below these fields is a table with six columns: Order ID, Order Date, Order Quantity, Order Price, Order Bill, and Order MenuItemID. The table contains three rows of data corresponding to Order IDs 219, 220, and 221. A summary row at the bottom shows a count of 3. The status bar at the bottom of the browser window shows the date as 16-06-2022.

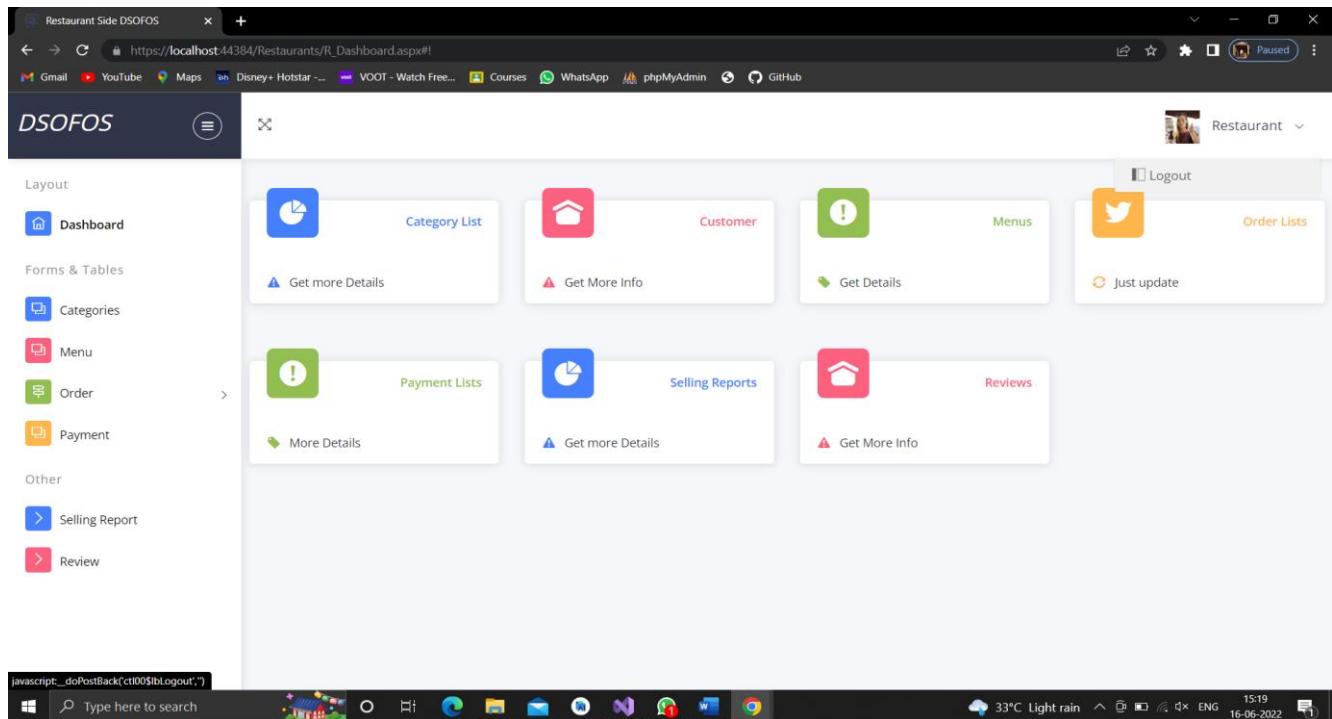
Order ID	Order Date	Order Quantity	Order Price	Order Bill	Order MenuItemID
219	16-06-2022 00:00:00	4	250	1000	18
220	16-06-2022 00:00:00	4	150	600	19
221	16-06-2022 14:56:42	6	100	600	13
Count		3			

## View Review

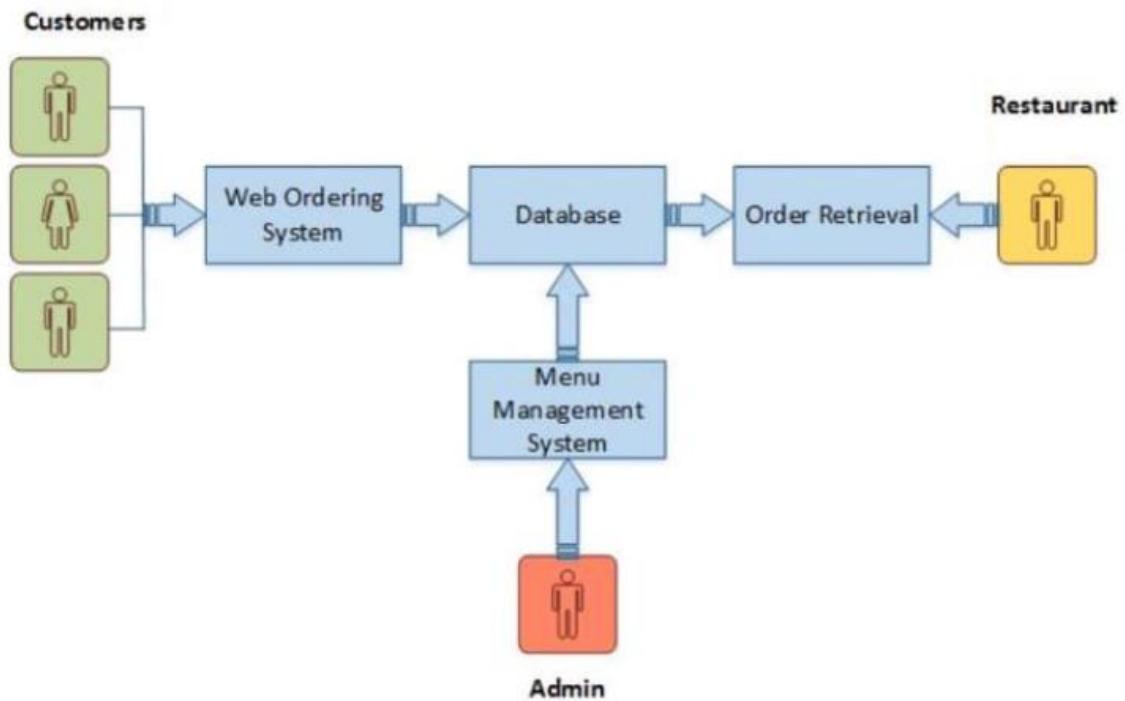
The screenshot shows a web application interface for viewing reviews. The left sidebar menu is identical to the one in the previous screenshot. The main content area is titled 'Review List' and displays a table with five columns: Rate, Remarks, CreatedAt, MenuItemName, and UserName. The table contains four rows of data. The status bar at the bottom of the browser window shows the date as 16-06-2022.

Rate	Remarks	CreatedAt	MenuItemName	UserName
4	Wow Its a nice Gujarati Thali	07-06-2022 22:53:11	Gujarati Thali	Dhrushi
3	Nice It is a Testy	07-06-2022 22:53:47	Chhole Bhature	Dhrushi
3	Its a Amazing	07-06-2022 23:02:56	Manchuriyan	Dhrushi
3	nice dish	08-06-2022 07:10:28	Thepla	Shilpa

## Logout



### 6.3 Architecture Design (If you are using 3 tier application then you can explain it in this)



## 7. Testing

### 7.1 Unit Testing

- A unit is an instance of a VideoMod, which contains a location, a size, and the string where the video lives.
- Video placement can be tested by specifying the x and y locations statically (white box) or variably (black box).
- Video pause is a simple boolean toggle statement which can be triggered statically (white box) or based on certain criteria (black box).
- Video pixilation and swirling was tested with static values indicating cell size and how to rotate, as well as variable criterion.
- Similarly, video speed was tested by static values indicating the play back speed as well as variables.
- And finally, video tint is tested similarly. After it was confirmed that the functions could perform as they should, input from the sensor was used.

#### ➤ Why Unit Testing?

- **Unit Testing** is important because software developers sometimes try saving time doing minimal unit testing and this is myth because inappropriate unit testing leads to high cost Defect fixing during System Testing, Integration Testing and even Beta Testing after application is built.

- If proper unit testing is done in early development, then it saves time and money in the end.

1. Unit tests help to fix bugs early in the development cycle and save costs.
2. It helps the developers to understand the testing code base and enables them to make changes quickly.
3. Good unit tests serve as project documentation.
4. Unit tests help with code re-use. Migrate both your code **and** your tests to your new project. Tweak the code until the tests run again.**Unit Testing Advantage**

- Developers looking to learn what functionality is provided by a unit and how to use it can look at the unit tests to gain a basic understanding of the unit API.
- Unit testing allows the programmer to refactor code at a later date, and make sure the module still works correctly (i.e. Regression testing). The procedure is to write test cases for all functions and methods so that whenever a change causes a fault, it can be quickly identified and fixed.
- Due to the modular nature of the unit testing, we can test parts of the project without waiting for others to be completed.

### Unit Testing Disadvantages

- Unit testing can't be expected to catch every error in a program. It is not possible to evaluate all execution paths even in the most trivial programs
- Unit testing by its very nature focuses on a unit of code. Hence it can't catch integration errors or broad system level errors.

## 7.2 Integration Testing

- Once the video manipulation functions were tested for efficiency, the projects were created, each with its own main class.
- The setup() and draw() functions were crafted to perform what each project hoped to achieve, integrating the sensors, video cameras, and green screens.
- Each project is tested separately by manually observing if the project is behaving as it is expected.

### Why do Integration Testing?

➤ **Test Cases for Login**

1	
Test Case	
Description	Login
Pre-condition	Admin and User know username and Password. Both Field should not be empty.
Test Action	Allow access or deny access.
Error Message	Invalid Username or Password.

➤ **Test Cases for Registration**

2	
Test Case	
Description	Registration
Pre-condition	Field should not be empty and should be of database data type.
Test Action	Create new user.
Error Message	Enter Valid Data.

➤ **Test Cases for Add Admin Side**

Test Case	3
Description	Add/View/Update/Delete Data
Pre-condition	Field should not be empty.
Test Action	Data will be added/updated/deleted
Error Message	Invalid field Values..

➤ **Test Cases for Add Restaurant Side**

Test Case	3
Description	Add/View/Update/Delete Data
Pre-condition	Field should not be empty.
Test Action	Data will be added/updated/deleted
Error Message	Invalid field Values..

**Advantages:**

- Fault localization is easier.
- No time is wasted waiting for all modules to be developed unlike Big-bang approach

**Disadvantages:**

- Critical modules (at the top level of software architecture) which control the flow of application are tested last and may be prone to defects.
- An early prototype is not possible

## 8. Future Enhancement

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- We can make our system platform independent which means that it can be work on any operating system.
- The website can be implemented on the internet in future.
- We give more security to the user.
- In future our website provide credit card and debit card payments as well as net banking with the security.
- A E-wallet can also transaction easy and safe.
- We can make site on international level.

## 9. Reference

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1. <http://stackoverflow.com>
2. <http://www.sanfoundry.com>
3. <https://docs.cksource.com>
4. <http://w3school.com>
5. <https://microsoft.doc>