

# ONLINE RESTAURANT SERVICE SYSTEM

## A Project Report

Submitted in partial fulfillment of the  
Requirements for the award of the Degree of

**BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)**

**By**

Hrishabh Nitin Gawad

Seat Number: \_\_\_\_\_

**Under the esteemed guidance of  
Mr./Mrs. Greenal Gonsalves**

**Designation**



**DEPARTMENT OF INFORMATION TECHNOLOGY  
VIDYAVARDHINI'S A.V. COLLEGE OF ARTS, K.M. COLLEGE  
OF COMMERCE AND E.S.A. COLLEGE OF SCIENCE**

*(Affiliated to University of Mumbai)*

**VASAI ROAD DIST.PALGHAR,401 202**

**MAHARASHTRA**

**2020-2021**

# INDEX

Sr No	Contents	Page No.
1	<b>Proforma of project</b>	3
2	<b>Certificate</b>	4
3	<b>Roles and Responsibilities</b>	5
4	<b>Abstract</b>	6
5	<b>Acknowledgement</b>	7
6	<b>Declaration</b>	8
7	<b>Table of Contents</b>	9
8	<b>Chapter 1</b>	11
9	<b>Chapter 2</b>	13
10	<b>Chapter 3</b>	16
11	<b>Chapter 4</b>	24
12	<b>Chapter 5</b>	47
13	<b>Chapter 6</b>	171
14	<b>Chapter 7</b>	173

## PROFORMA FOR THE APPROVAL PROJECT PROPOSAL

PRN No.: 2018016401316147

Roll no: 20

1. Name of the Student

**Hrishabh Nitin Gawad**

2. Title of the Project

**Online Restaurant Service System**

3. Name of the Guide

**Greenal Gonsalves**

4. Teaching experience of the Guide \_\_\_\_\_

5. Is this your first submission? **Yes**

Signature of the Student

Signature of the Guide

Date: .....

Date: .....

Signature of the Coordinator

Date: .....

**VIDYAVARDHINI'S A.V. COLLEGE OF ARTS, K.M. COLLEGE**

**OF COMMERCE AND E.S.A COLLEGE OF SCIENCE**

*(Affiliated to University of Mumbai)*

**VASAI ROAD-MAHARASHTRA-401202**

**DEPARTMENT OF INFORMATION TECHNOLOGY**



**CERTIFICATE**

This is to certify that the project entitled, "**Online Restaurant Service System**", is Bonafede work of **HRISHABH NITN GAWAD** bearing Seat. No: \_\_\_\_\_ submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

**Internal Guide**

**Coordinator**

**External Examiner**

**Date:** \_\_\_\_\_

**College Seal**

## **Roles and Responsibilities**

My project Online Restaurant Service System is beneficial of restaurant owner to improve awareness of their restaurants which can give key information on your location, Menu, Opening Hours. Using our system customers can easily book tables and order takeout. You can also build a solid brand image and helps to promote other Services. It saves the time and manpower as well. The major responsibility is to provide customer friendly environment and collect their feedbacks.

# **ABSTRACT**

The “**Online Restaurant Service System**” is a web application to restaurant management. In today’s world where mankind is moving towards automation to increase efficiency of their work. The restaurant service system is a collection of software products that help to keep all aspects of your dinning running smoothly.

People nowadays hardly want to move from their places for shopping not even for eating. This service system will help the restaurant owner in many ways such as ordering goods, inventory control, generating bills, managing tables, managing menu, and various customer services.

It is a new generation system and a complete solution beginning with taking orders from customers and ending with billing and tax reports. The user interface is carefully optimized for high speed of a customer order and prevention of a common mistake. There is rich set of reports that shows a complete picture of restaurant operations and life cycles. By standardizing the entire process, the system radically improves serving speed.

The main aim of this project is computerization of all process which happens in the restaurant. It is a database system for creating a selective retrieved of information for subsequent analysis, manipulation and application. The system are the crucial technology components that enable a single outlet or enterprise to better serve its customers and aid the employees with transactions and controls

## **ACKNOWLEDGEMENT**

First, I am very much thankful to our teacher staff that they have faith on me and gave me opportunity to work on “**Online Restaurant Service System**” project to express my professional gratitude. Specially, I would also like to express my sincere gratitude towards my project guide “ \_\_\_\_\_ ” under whom I have worked on this. The tips and proper guidance of mam helped me to complete the project as required .Teachers staff are resourceful and provided full support when I needed. A special thanks to our Head of Department “ \_\_\_\_\_ ” to very helpful. I take this opportunity to thank the "**University of Mumbai**" for giving me chance to do this Project.

Finally, I wish to thanks my all IT department teachers, colleagues who directly or indirectly helped me in completion of the project. Last but not the least I would also thank my parents, friends and those who I forgot to mention for helping me to complete this project within the deadline.

## **DECLARATION**

I hereby declare that the project entitled, "**Online Restaurant Service System**" done at **place where the project is done**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)** to be submitted as final semester project as part of our curriculum.

**Name and Signature of the Student**

# Table of Contents

<b>Chapter 1: Introduction</b>	<b>Page No.</b>
1.1 Background.....	11
1.2 Objectives.....	11
1.3 Purpose.....	11
1.4 Scope.....	12
1.5 Applicability.....	12
1.6 Achievements.....	12
<b>Chapter 2: Survey of Technology</b>	<b>Page No.</b>
2.1 Frontend Technologies.....	13
2.1.1 Asp .NET with C#	
2.1.2 CSS and Bootstrap	
2.1.3 jQuery	
2.2 Backend Technologies.....	15
2.2.1 Microsoft SQL Server 2014	
2.3 Developing Tools.....	15
2.3.1 Microsoft Visual Studios	
<b>Chapter 3: Requirement and Analysis</b>	<b>Page No.</b>
3.1 Problem Definition.....	16
3.2 Requirement Specification.....	18
3.3 Planning and Scheduling.....	21
3.4 Software and Hardware Requirements.....	22
3.5 Preliminary Product Description.....	23

<b>Chapter 4: System Design</b>	<b>Page No.</b>
4.1 Security Issues.....	24
4.2 Data Design .....	27
4.3 Procedural Design.....	,29
4.4 Algorithm Design.....	42
4.5 Test Case Design .....	46
<b>Chapter 5 :Implementation and Coding</b>	<b>Page No.</b>
5.1 Implementation approaches.....	47
5.2 Coding details and code efficiency .....	49
5.3Testing approaches.....	168
5.4 Modification and Improvements.....	170
<b>Chapter 6 :Results and Discussions</b>	<b>Page No.</b>
6.1 User manual.....	171
6.2 Administration Manual .....	172
<b>Chapter 7 :Conclusions and Future Works</b>	<b>Page No.</b>
7.1 Conclusion.....	173
7.2 Limitation .....	174
7.3Future Works.....	175

## References

- Books
- Internet

# **Chapter 1**

## **Introduction**

- Background:**

The main context of the project is to provide ease of access, comfort and use of technology for various customers. The system helps the restaurant owners to manage the restaurant more effectively by computerizing meal ordering, billing and inventory control. The system process transaction and store the resulting data.

- Objectives:**

The main objective is to build the system that is to provide ordering and reservation service by online to the customer. The fundamental objective is to increase reach of the website through various customers around the globe can access the website. The customers can easily make transaction from their home.

Common objectives of the system are:

1. To provide a platform manage on-desk and online reservations.
2. To display information of Dish courses, prices and pictures.
3. To add multiple food items.
4. To change the price when needed.
5. To provide user friendly interface for customers.

- Purpose:**

The main purpose of developing the website is to provide user interface GUI, user and mobile friendly website that will be easy to use and without much provision of support. A system for a restaurant to meet the customer's choice of meals, deserts etc. With the help of this system restaurant owners may keep records of facilities status and availability of services.

- Scope:**

The project uses the information technology, it uses the database to store the data. It has easy to use interface that helps it to be used by anyone with general knowledge about technology. The important thing is that you will get informed about restaurant services once you have logged in and search for your requirement.

- **Applicability:**

My project “online restaurant service system” will benefit the customers as they can book the tables in restaurant by sitting at home or office they don’t have to visit the restaurant to get required information. All the information will be available on the website regarding the food courses according to their budget, facilities, types of courses and sites nearest the restaurant etc. so it will save the coatomers time and it is easy to use. The owner will also get the help from this website as the customers do the booking it will get acknowledge so it can keep tracks of records. So, my project will be useful to both customer and owner. All the work will be done online so paper is not required.

- **Achievements:**

A significant achievement has been gained as a result of fully on-hands participation and implementation of this project. The strain and stressed faced by programmer and then limitations of time factor. This impedes high efficiency of the application and the need for further improvements.

One of the most important achievement of this project us that I got the knowledge of website development and phases required to develop it. I got the idea of how to tackle the problems in developing the website and even learned new things.

## Chapter 2

### Survey of technology

- **Front end technology:** -
- **ASP.NET with C#:**
  - Websites and web application built with ASP.NET can be faster and more efficient than a website built with any other languages.
  - High speed, low cost and vast language support are amongst the most significant benefits.
  - Windows server environment, requiring less setup and configuration than other web development platforms that must be installed and configured separately.
  - The popularity of ASP.NET makes online resources and skilled developers easy to find.
  - The compilation process takes small amount of time but happens only once after compilation the code can be executed over and over again by .NET platform very quickly.
  - ASP.NET is a great framework to use when developing websites, it is reliable, fast, easy to use, gives full control of your development and can be used on any project big or small.
- **HTML, CSS, JavaScript:**
  - HTML or Hyper Text Markup Language is used for creating pages that are displayed on the world wide web.
  - Navigation is possible due to hypertext. its client-side programming.
  - Data entry support and offline copiabilities usage are supported in HTML.
  - CSS is a language for describing the presentation of web pages including color layout and fonts.
  - It allows one to adapt the presentation to different types of devices such as small screen large screen or printers.

- CSS is independent of HTML and can be used with any XML-based markup language.
  - CSS has much wider presentation capabilities than HTML>
  - JavaScript is an Object-oriented programming designed to make web development easier and more attractive.
  - JavaScript is used to create responsive, interactive elements for web pages enhancing the user experience.
  - Animations, video players, interactive maps can be created quickly with JavaScript.
- **jQuery:**
    - jQuery is a lightweight, “write less, do more”, JavaScript library, the purpose of jQuery is to make it easier to use JavaScript on your website.
    - jQuery takes a lot of common task that require many lines of code to accomplish and warps them up into methods that you can call with a single line of code.
    - It makes things like HTML documents traversal and manipulations, event handling and Ajax much simpler with easy to use API that works across multiple browsers.

### ❖ **Back End technology: -**

- **Microsoft SQL Server:**
  - With various options available Microsoft SQL Server is the most powerful ones.
  - Microsoft SQL Server is a Related Database Management System (RDBMS) that runs on SQL programming language and has capacity to support huge variety of transactions processing applications.
  - Microsoft SQL Server ensures security of data.
  - Optimizes data storage and accuracy.
  - Simple installation and automatic updates.
  - Simple management and maintenance.
  - Low ownership cost.

❖ **Developing Tools:** -

▪ **Microsoft Visual Studio 2019:**

- The Visual Studio integrated development environment is a creative launching pad that you can use to edit, debug and build code, and then publish a website.
- It includes squiggles and quick actions
- Code cleanup
- Refactoring
- Intellisense
- Live share
- Call hierarchy
- CodeLens
- helps to makes project portable.
- Quicker to compile
- Keeps the project size smaller.

# Chapter 3

## Requirements and Analysis

### **3.1 Problem Definition:**

Online Restaurant Service System allows users to reserve table and order takeout without stepping out of their workstation or homes.

The Online Restaurant Service System to be developed is intended to provide both customers/users, restaurant staff and admin. This website will help to reserve tables order takeout and admin can maintain the records and restaurant staff can get notification of their tasks.

There are many limitations as follows: -

### **Irresponsive or unattractive websites:**

Websites must be quick responsive and attractive so that user will like to visit our website again and again. If any website is not responsive or attractive then users will not visit your website second time which is the lost for the company and web developer's work will be of waste. The website will be of no use if there is no user to visit it. So, I am trying to make a responsive and attractive website so that user will visit my website again and again.

### **Poor and Complex User Interface:**

There are many different ways to conceive a website but not every site can stand up to the test of being both user friendly and highly functional. Websites must be user friendly and understandable to user. The website developer while developing any website must think as a user who is going to use the websites so that they will develop a user-friendly website. The display of a page for different devices and screen sizes also influences the user experience. After all, more and more users are accessing pages with mobile devices. These trends should be taken into account to ensure that navigation is as seamless as possible. Developer should not use the tricky code which will affect the website. I will develop such a website that any user can handle and can understand so that more and more user will use my website and user can view it perfectly on any other devices and screen sizes.

### **Faster Response:**

While using website user should get what they are searching for as fast as possible with in the 3 clicks. I am working on these problems I am going to make my website in such a way that user will get what they are looking for as much fast as possible which is the main feature of my system.

## **Database Management:**

At the moment we are going to use MS SQL as database management system. Database will hold the information and data coming from online reservation system, hand terminals, stock management system and customer profiles. Database management is going to be the most frequently used part of the project. The data models should not be poorly structured.

## **Increased Customer Engagement:**

Restaurant owners were quick to realize that just acquiring customers was not enough. To survive in the competitive restaurant industry, you need to retain customers. Thus the website must, be evolved into a robust customer management platform. The website for restaurants can acquire customer feedback, analyze and generate reports based on customer behavior. It must be developed to meet this requirement.

## **3.2. Requirement Specification:**

A Requirements Specification is a description of a system to be developed. It identified the requirements of the system and websites. It lists sufficient and necessary requirements for the project development. It lays out functional and non-functional requirements, and may include a set of use cases that describe user interactions that the software must provide.

- Functional Requirement:**

Functional requirement defines a function of a system or its component, where a function is described as a specification of behavior between outputs and inputs. Functional requirements are supported by non-functional requirement. System must provide all the information about the reservations and food ordering without any of clashes among entities, and it should be accessible to all the web users. It should generate a report about registered requests to the admin and response report to the user who has submitted his queries,

- Non-functional Requirements:**

Non-Functional Requirements specifies the quality attribute of a software system. They judge the software system based on Responsiveness, Usability, Security, Portability and other non-functional standards that are critical to the success of the software system. Non-functional requirements include performance requirements, safety requirements, security requirements, and portability requirements such as secure access of confidential data (user's details), availability, Browser testing and support for IE, Mozilla Firefox and Google chrome.

- **Performance Requirements:**

Since this website is going to web-based, it does require a powerful web hosting server machine with high band internet access. These machines should have a powerful CPU and high-speed internet access so that it can handle multiple users at the same time. Another performance requirement is the storage space. Higher storage space means more user and higher workspace per user so higher the storage, better the performance. Performance requirement by the user side is, web application should be developed as a lightweight web app so that it can work on almost any platform even with slower internet connections. Expected number of multiple users can be at least 100. System should be able to deal with 100 users at the same time. Also, database of the system should handle at least thousands of the users at any periods.

- **Security Requirements:**

Security systems need database storage just like many other applications. Since this software will be hosted on web hosting server, website should be able to protect privacy of user data. Workspace of the user should only be accessed through user own credentials and any other user should not be able to access to the user private data. The user should be restricted in terms of user rights. User should only access to his own workspace and should not access to any other workspace. Also, rights of the user should be restricted so that user can not harm to website. Since all the data will be transferred on the web, system should also use an encryption and decryption mechanism only developer can decode the data and work on the data.

- **Safety Requirements:**

If there is an error or damage to a portion of the database due to catastrophic failure, such as disk crash, the recovery method restores a past copy of the database that was backed up to archival storage (typically tape) and reconstructs a more current state by reapplying or redoing the operations of committed transactions from the backed up log, up to the time of failure.

- **Portability Requirements:**

Portability is a measure of how easily an application can be adjust and run from one computer environment to another. Main purpose of developing web-based IDE is to improve the portability of website development process. To improve portability, website should run on variety of platforms and variety of connection speeds. As explained in the performance requirements section, website should be lightweight so that it can able to run on a machine even with slow internet connection. To make the web application lightweight, simple libraries and tools should be used at developing phase so that it will run on most of different platform without an additional effort. To achieve this, web application should be developed by using the common technologies and tools which are provided by all common web browsers an operation system.

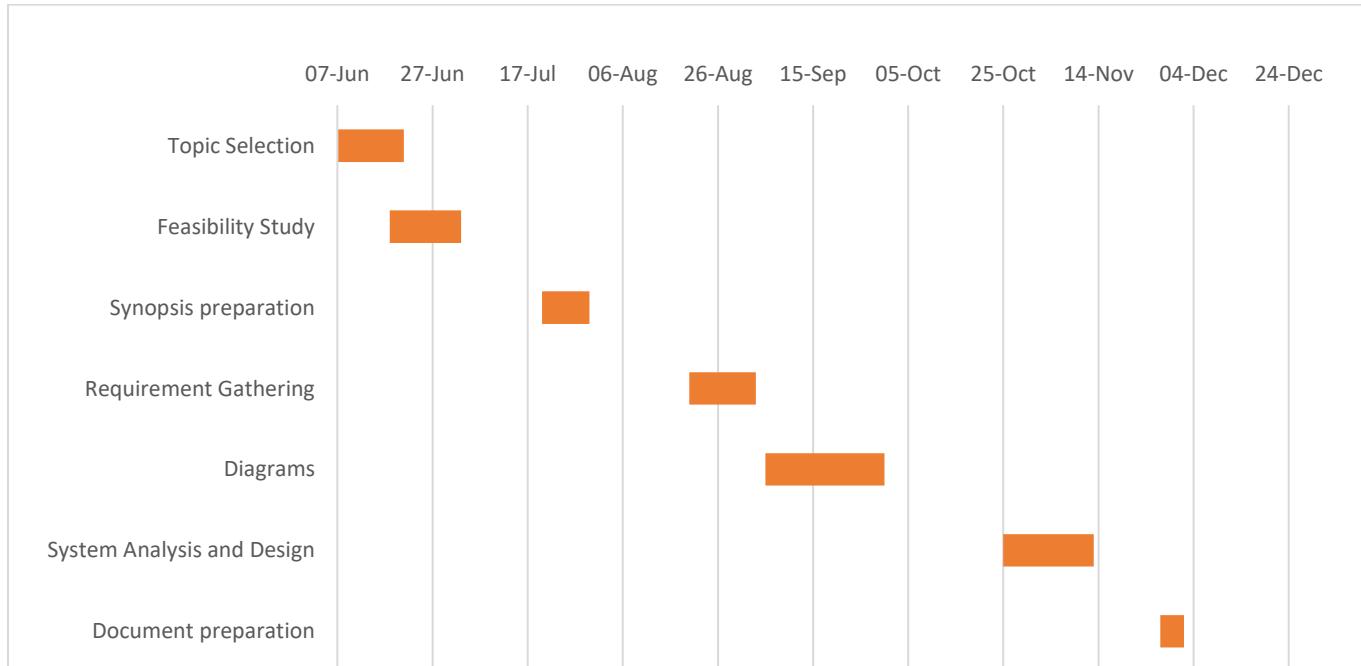
- **Hardware Requirements:**  
Processor, RAM, Hard Disk, etc.
- **Software Requirements:**  
Visual Studios, ASP .NET to develop web applications,  
Microsoft SQL Server, Web Browser, etc.

### **3.3 Planning and scheduling:**

#### **Planning:**

A plan requires an outcome and is the road map for getting from the current moment to the future goals. Plans can be short term or long term. They always involve details and specific steps that guide the plan from start to finish. Plans should always make room for unforeseen events: for example, if one part of the plan is contingent on an external factor, the plan should account for such an event.

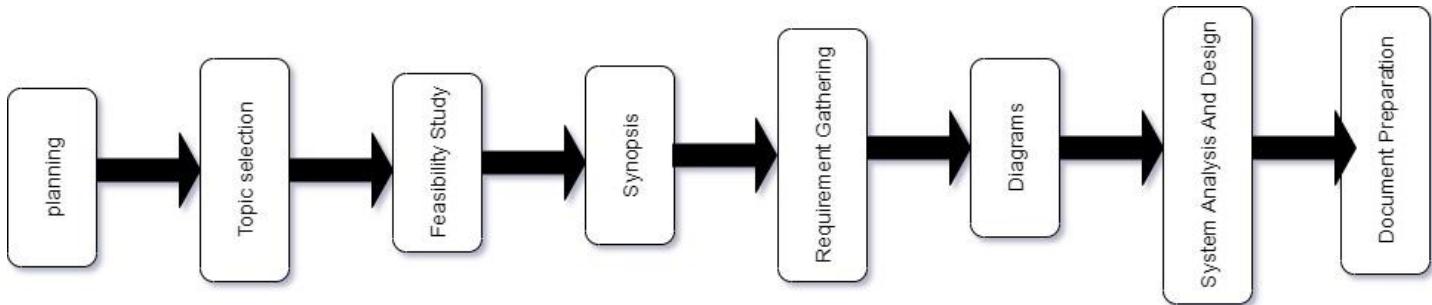
- **Gantt Chart:**



## Scheduling

Scheduling is the process of determining times and dates to achieve specific objectives. Schedule, like plans, can be long term or short term. Often, short-term schedules are very important and linked to long-term schedules. When working with an organizational or institutional schedule, it is important that the different players working on a project coordinate their schedules and have an access to one another's schedules to ensure a smooth work flow.

- **PERT:** -



## 3.4. Software and Hardware Requirements:

- **Software Requirements:**

- Microsoft Visual Studios 2019
- Microsoft SQL Server Mgmt. Studio (Backend).
- Web Browsers: Microsoft Internet Explorer, Microsoft Edge, Google Chrome, Mozilla Firefox, Safari or any other browsers.
- Operating System: Windows 7 or higher.

- **Hardware Requirements:**

- 1.6 GHz or faster processor.
- Bandwidth 100Kbps or more.
- Minimum 1GB of RAM or more.
- Minimum 5 GB of available Hard Disk storage.
- 5400 RPM Hard Drive.
- Desktop/Laptop.
- Display 1024 x 768 or higher resolution.
- DirectX 9-capable video card running at 1024 x 768 or higher display resolution.

### **3.5. Preliminary Product Description:**

The Online Restaurant Service System will be able to meet the following criteria:

- Keep the records of orders and reservations.
- The system must be able to ease the cancellation of reservations and orders.
- The availability of tables will be updated so that the user will be notified
- The user can add their favorite food items on the cart.
- The system will be able to generate bill during takeout.

# Chapter 4

## System Design

### 4.1 Basic Modules: -

A *module* is a software component or part of a program that contains one or more routines. One or more independently developed *modules* make up a program. Modules are common website components that are used like building blocks to create pages. Each module is a collection of “generic”. Many modules are combined to build a page. This breaks complex problems into smaller components that are easier to understand, communicate and build. Modules on a website are a lot like Legos. Think of modules as Lego pieces which enable you to build your website. When you connect them together in the right way, they form web pages.

#### **1.Admin module:**

Admin module allows system administrator to set up back-end of the system and perform basic system configuration, Part of the admin set up is users management which allows users to be set up with definable access level/roles, access to a single or multiple branches. The admin is responsible to check the availability of table during the reservation.

##### ➤ **Admin Login: -**

The module is designed to allow the admin to login with valid username and password in the system and perform the operation.

##### ➤ **Approve/Reject Table Reservation: -**

The module allows the admin to approve or reject the request for the table reservation if is available/unavailable for the specified date and time slot.

##### ➤ **Manage Inventory and Store Transactions: -**

This helps the admin by managing the inventory details which includes the product and supplier details. This also helps to keep the flow of currency in the system.

➤ **Keeps the Records of Staff /Customers: –**

This module allows the admin to manipulate data of restaurant staff and the customer details. He can also update the list of records.

➤ **Maintain Menu and Menu Items: -**

The admin will be able to edit the menu and its item at will.

## **2.User Module: -**

The User Module allows various permissions for users to set for their roles.

➤ **Login/register: -**

New users will register their data in the system and after validation they will be able to Login through their authorized account.

➤ **Book A Table: -**

The user can reserve a table by assigning a specific date and time slot and the party size according to which they will get acknowledged by the admin and receive updates.

➤ **Explore the Menu: -**

The user will be able to explore variety of menu and select choice of items.

➤ **Add to Cart: -**

Users can add as many as Selected menu items to carts and order them.

➤ **Order Takeout: -**

Users can also order takeout from the cart by specifying the delivery point and can also cancel their orders. They can also view their orders.

➤ **Contact/Help/Feedback: -**

Guidelines for the users and will also takes comments from the users by mentioning the details.

### **3.Restaurant Staff: -**

The system allows the restaurant staff such as chef and the delivery boy to get updates of their task. The staff members must first Login with valid username and password to perform operations.

#### **➤ View Meal Orders: -**

The chef will receive notification to prepare the meal whenever the user orders it.

#### **➤ View Delivery Orders: -**

The delivery agent will get the updates for delivery with mentioned information when the user orders Takeout.

### **4.2 Data Design:**

Data design is concern about how the data is represented and stored in the system.

### **Data integrity and constraint:**

The system is going to be menu driven will be backend data into a database form.

### **Data Dictionary:**

#### **Menu Table:**

Column Name	Data Type	Allow Nulls
id	int	<input type="checkbox"/>
prodname	nvarchar(50)	<input checked="" type="checkbox"/>
proddesc	nvarchar(MAX)	<input checked="" type="checkbox"/>
prodprice	int	<input checked="" type="checkbox"/>
prodimage	nvarchar(MAX)	<input checked="" type="checkbox"/>
		<input type="checkbox"/>

## Order Address:

Column Name	Data Type	Allow Nulls
No	int	<input type="checkbox"/>
orderid	varchar(50)	<input type="checkbox"/>
address	varchar(500)	<input type="checkbox"/>
mobilenumber	varchar(50)	<input type="checkbox"/>

## Order Details:

Column Name	Data Type	Allow Nulls
No	int	<input type="checkbox"/>
orderid	varchar(50)	<input type="checkbox"/>
productid	int	<input type="checkbox"/>
productname	varchar(50)	<input type="checkbox"/>
price	int	<input type="checkbox"/>
quantity	int	<input type="checkbox"/>
dateoforder	varchar(50)	<input type="checkbox"/>

## StockTable:

	Column Name	Data Type	Allow Nulls
1	ProductID	int	<input type="checkbox"/>
	ProductName	varchar(50)	<input checked="" type="checkbox"/>
	SupplierName	varchar(50)	<input checked="" type="checkbox"/>
	Price	int	<input checked="" type="checkbox"/>
	Quantity	int	<input checked="" type="checkbox"/>
	Date	varchar(50)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

## TableReservation:

	Column Name	Data Type	Allow Nulls
1	BookingID	int	<input type="checkbox"/>
	TableNo	varchar(50)	<input type="checkbox"/>
	CustomerName	varchar(50)	<input type="checkbox"/>
	PartyCount	int	<input type="checkbox"/>
	Email	varchar(50)	<input type="checkbox"/>
	dtstart	datetime	<input type="checkbox"/>
	dtend	datetime	<input type="checkbox"/>
			<input type="checkbox"/>

## Feedback:

	Column Name	Data Type	Allow Nulls
1	id	int	<input type="checkbox"/>
	fullname	varchar(50)	<input checked="" type="checkbox"/>
	email	varchar(50)	<input checked="" type="checkbox"/>
	mobileno	varchar(50)	<input checked="" type="checkbox"/>
	message	varchar(500)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

## UserDetails:-

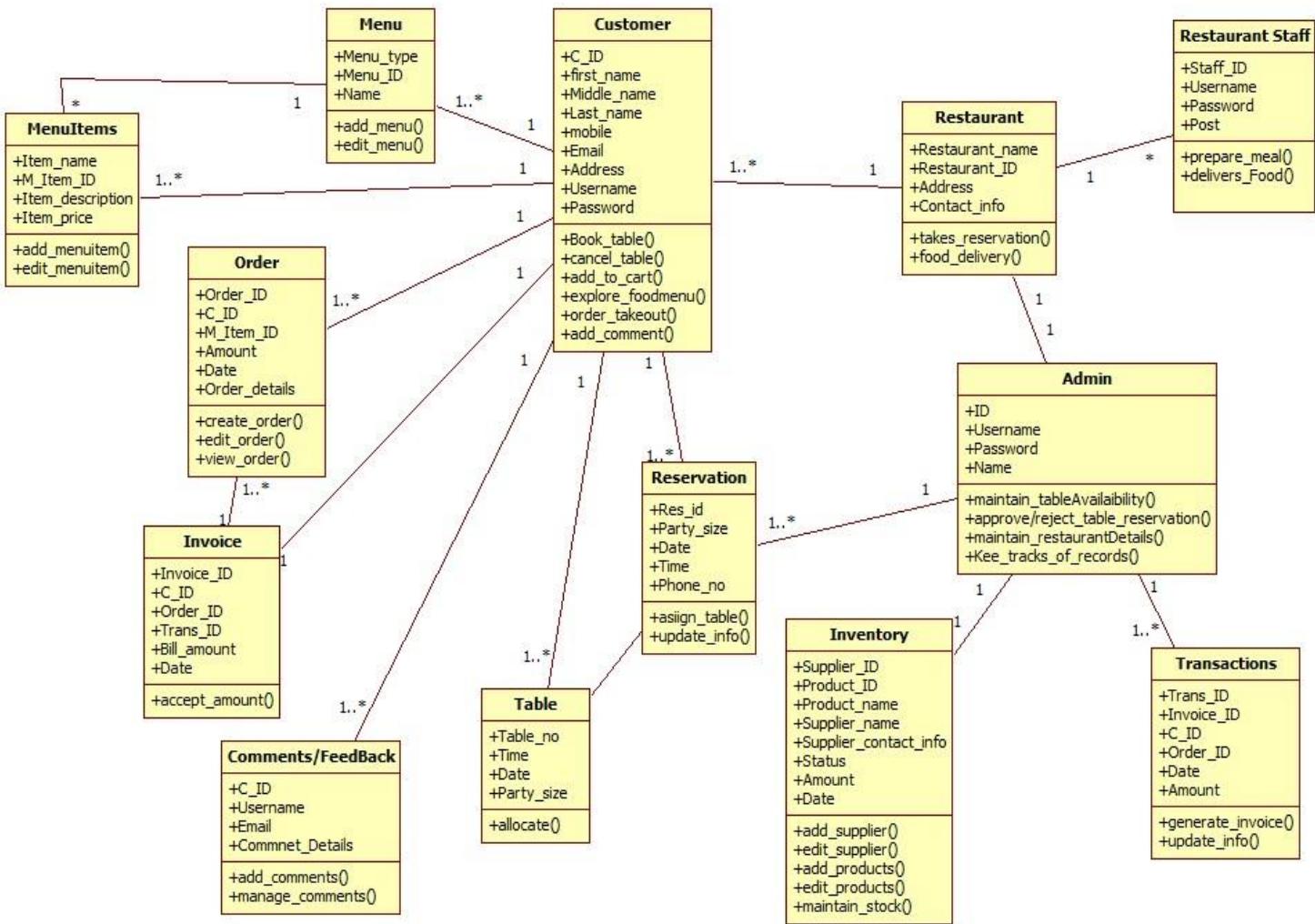
	Column Name	Data Type	Allow Nulls
1	ID	int	<input type="checkbox"/>
	username	nvarchar(50)	<input checked="" type="checkbox"/>
	email	nvarchar(50)	<input checked="" type="checkbox"/>
	password	varchar(50)	<input checked="" type="checkbox"/>
	usertype	nvarchar(50)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

## **4.3Procedural Design:**

### **❖ Class Diagram: -**

Class diagram is a static diagram. It represents the static view of an application. Class diagram is not only used for visualizing, describing, and documenting different aspects of a system but also for constructing executable code of the software application. Class diagram describes the attributes and operations of a class and also the constraints imposed on the system. The class diagrams are widely used in the modeling of object-oriented systems because they are the only UML diagrams, which can be mapped directly with object-oriented languages. These are the relationship between the classes as follows-

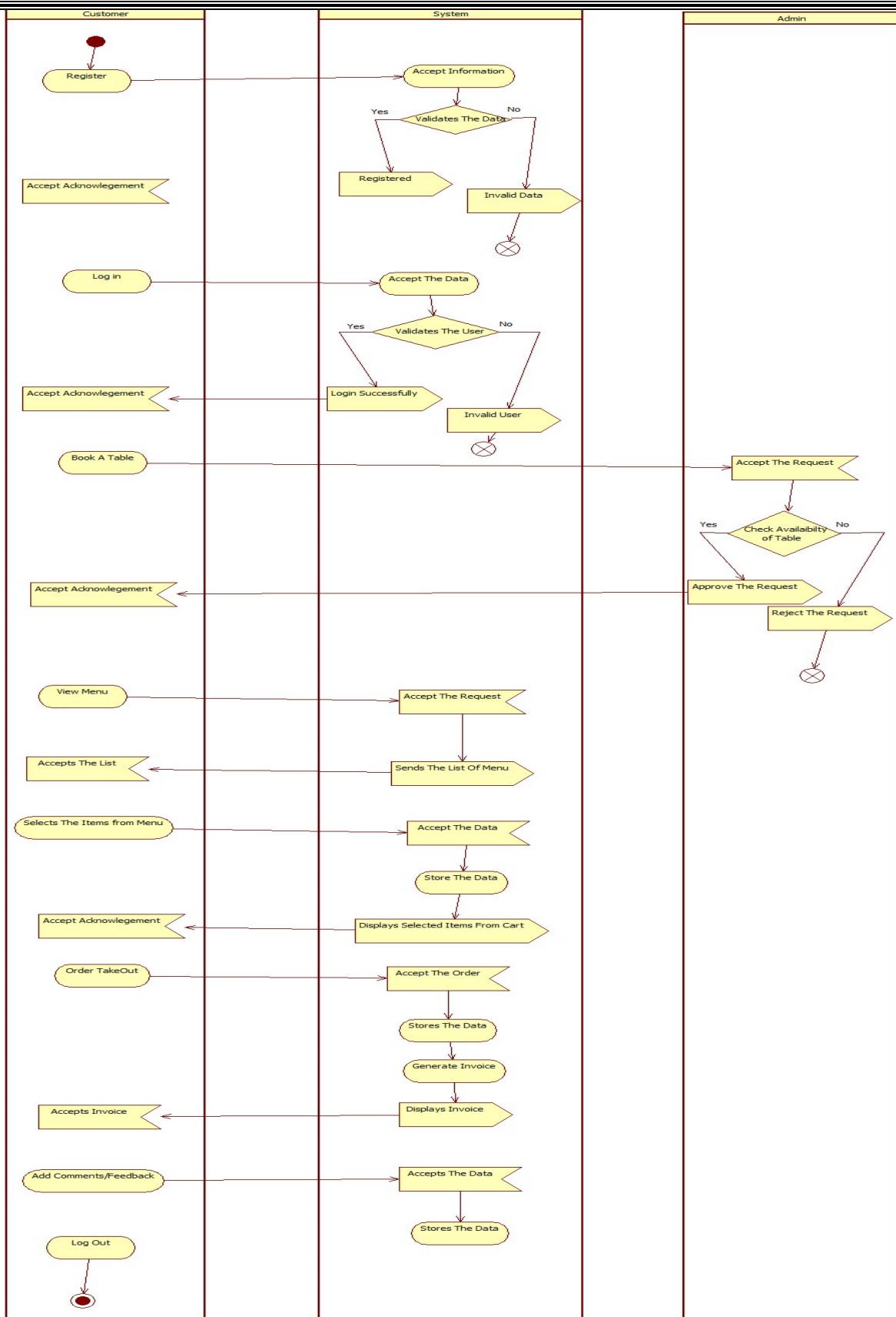
- 1) One to One Relationship: - When a single instance of an entity is associated with a single instance of another entity then it is called one to one relationship.
- 2) One to Many Relationship: - When a single instance of an entity is associated with a more than one instances of another entity then it is called one to one relationship.
- 3) Many to One Relationship: - When a more than one instances of an entity is associated with a single instance of another entity then it is called many to one relationship.
- 4) Many to Many Relationship: - When a more than one instances of an entity is associated with a more than one instances of another entity then it is called many to one relationship

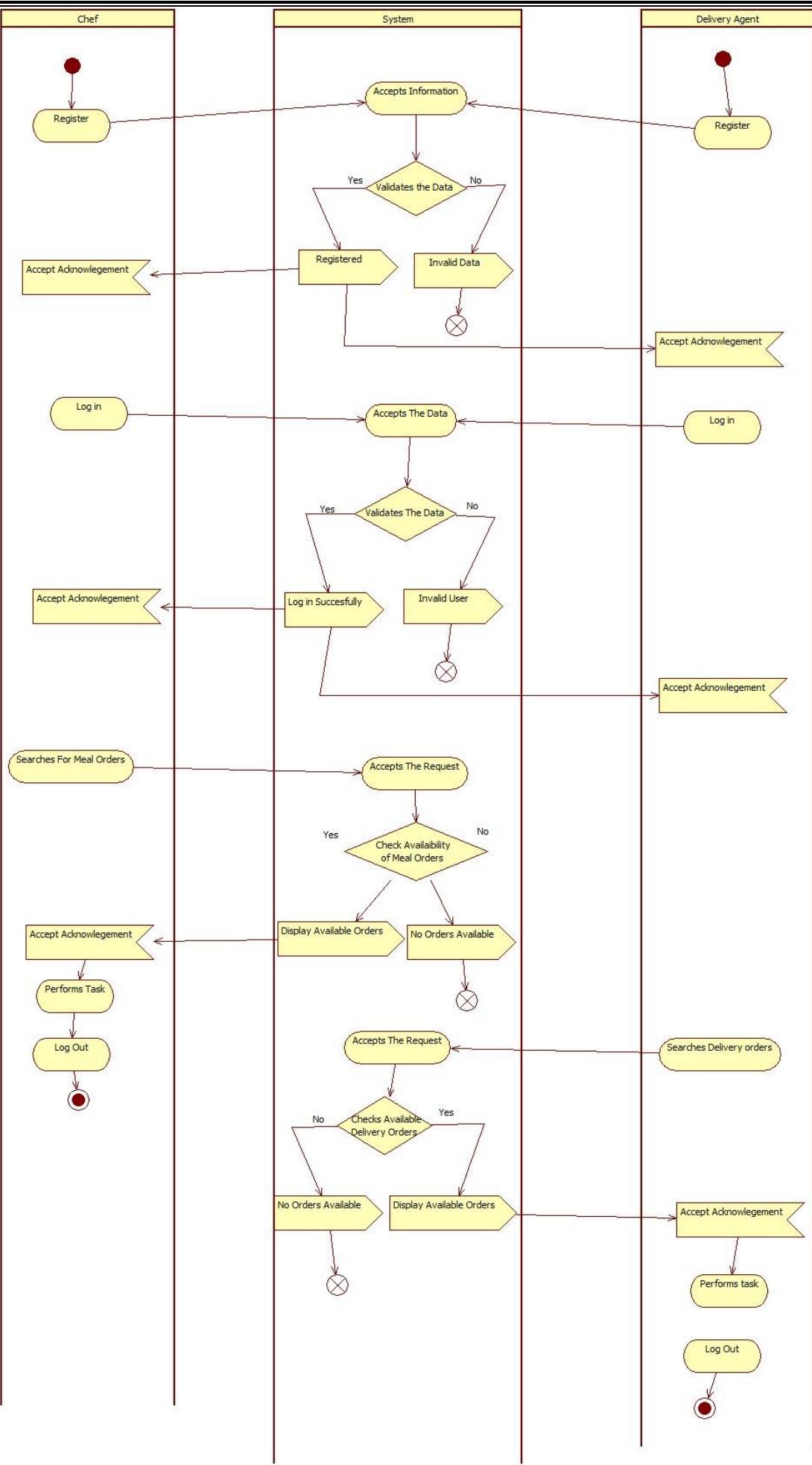


## ❖ Activity Diagram:

Activity diagram is another important diagram in UML to describe the dynamic aspects of the system. Activity diagram is basically a flowchart to represent the flow from one activity to another activity. The activity can be described as an operation of the system. The control flow is drawn from one operation to another. This flow can be sequential, branched, or concurrent. Activity diagrams deal with all type of flow control by using different elements.

➤ **Activity Diagram of Customer and Admin and staff members -**

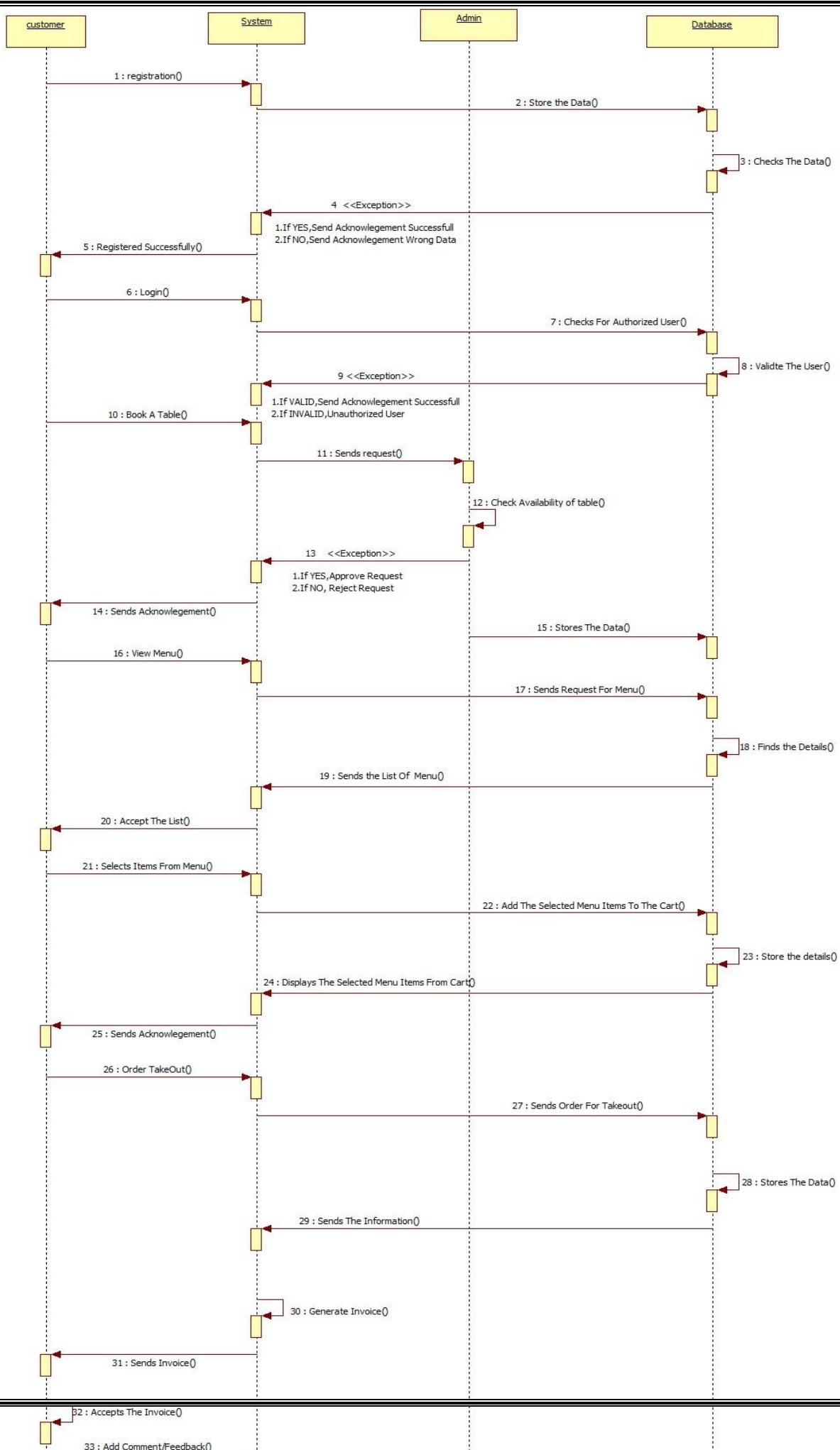


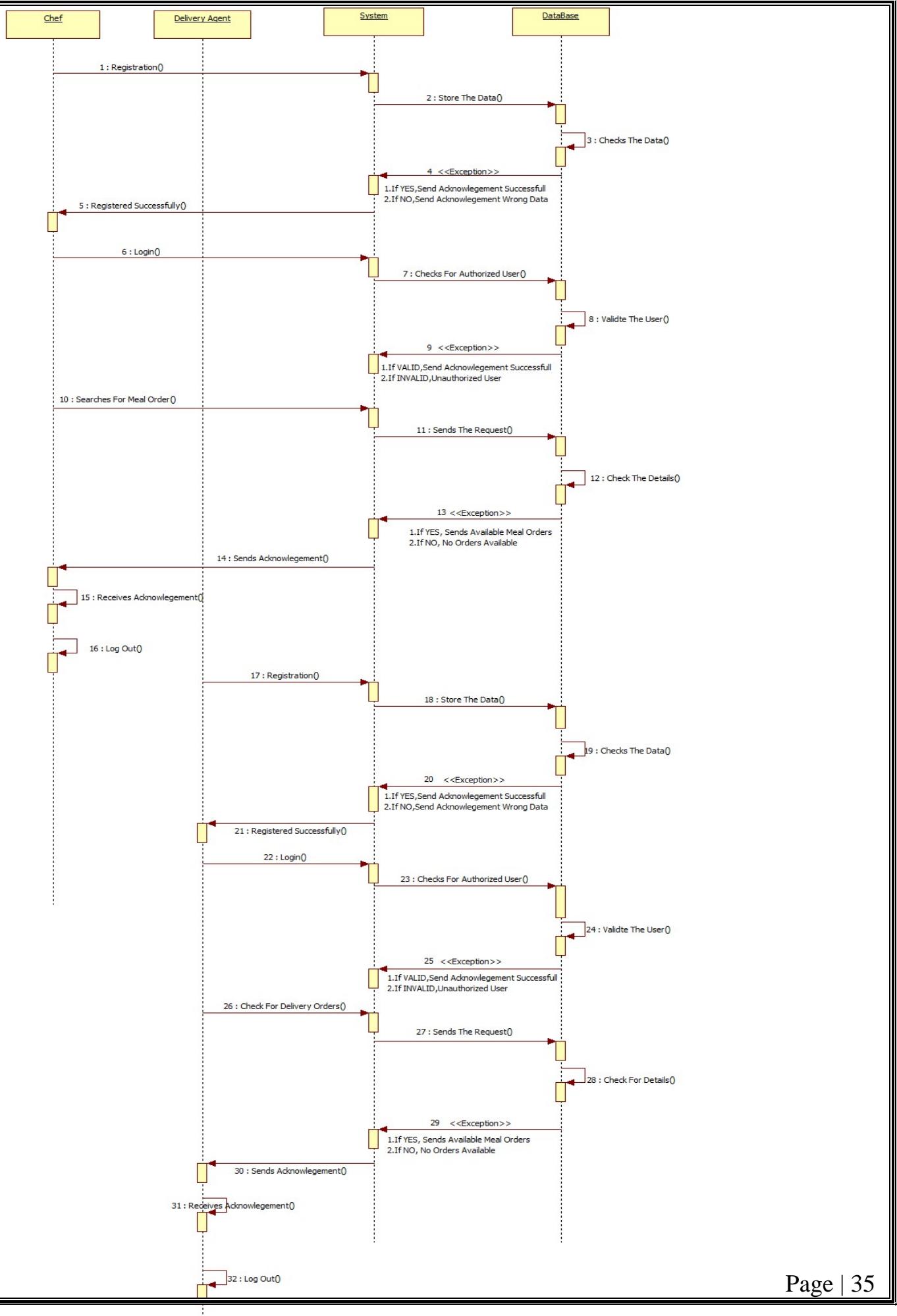


#### ❖ Sequence Diagram:

A sequence diagram simply depicts interaction between objects in a sequential order i.e. the order in which these interactions take place. We can also use the terms event diagrams or event scenarios to refer to a sequence diagram. Sequence diagrams describe how and in what order the objects in a system function.

#### ➤ Sequence Diagram of Customer and Admin and Staff members: -

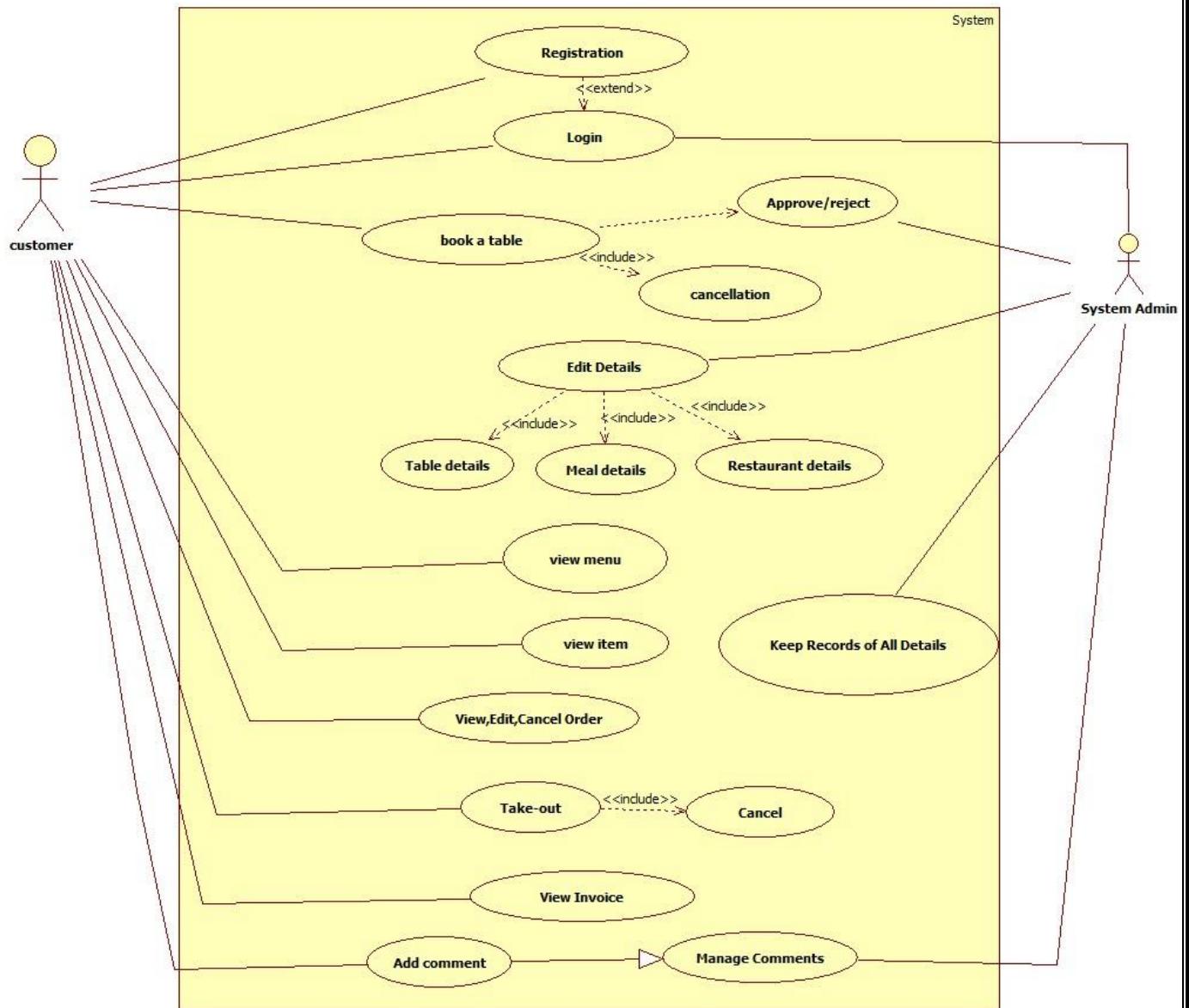




## ❖ Use case Diagram:

The purpose of use case diagram is to capture the dynamic aspect of a system. To model a system, the most important aspect is to capture the dynamic behavior. Dynamic behavior means the behavior of the system when it is running/operating. Only static behavior is not sufficient to model a system rather dynamic behavior is more important than static behavior. The diagram is used to model the system/subsystem of an application. A single use case diagram captures a particular functionality of a system.

## ➤ Use case Diagram of Customer and Admin: -

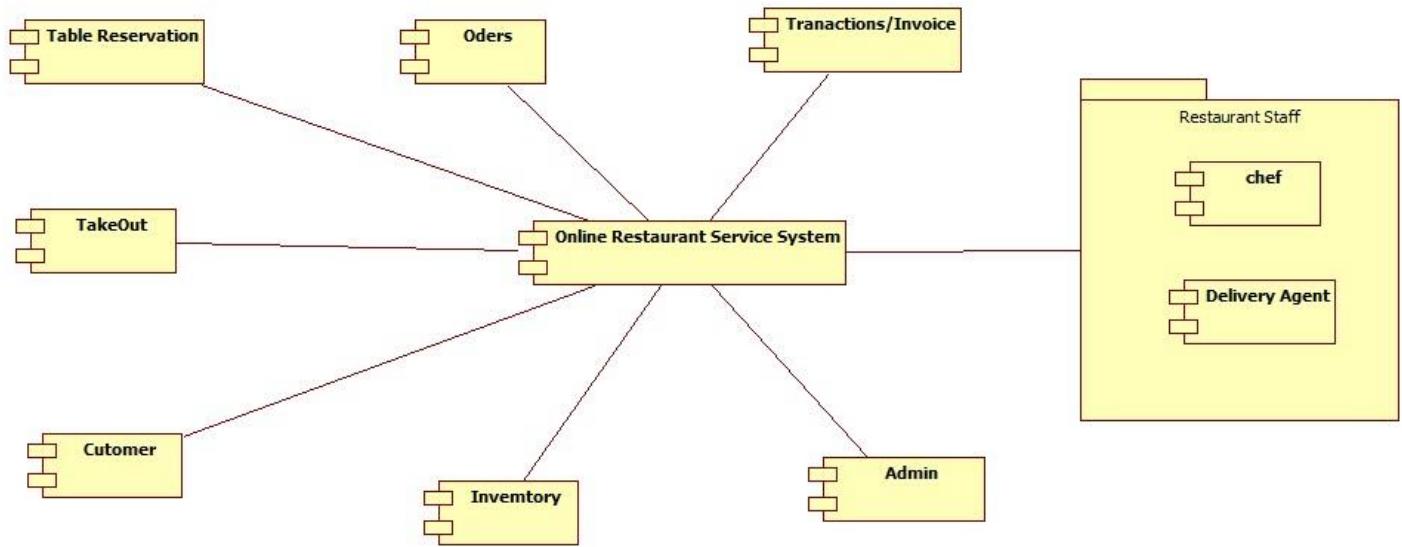


## ➤ Use case Diagram of Staff Members: -



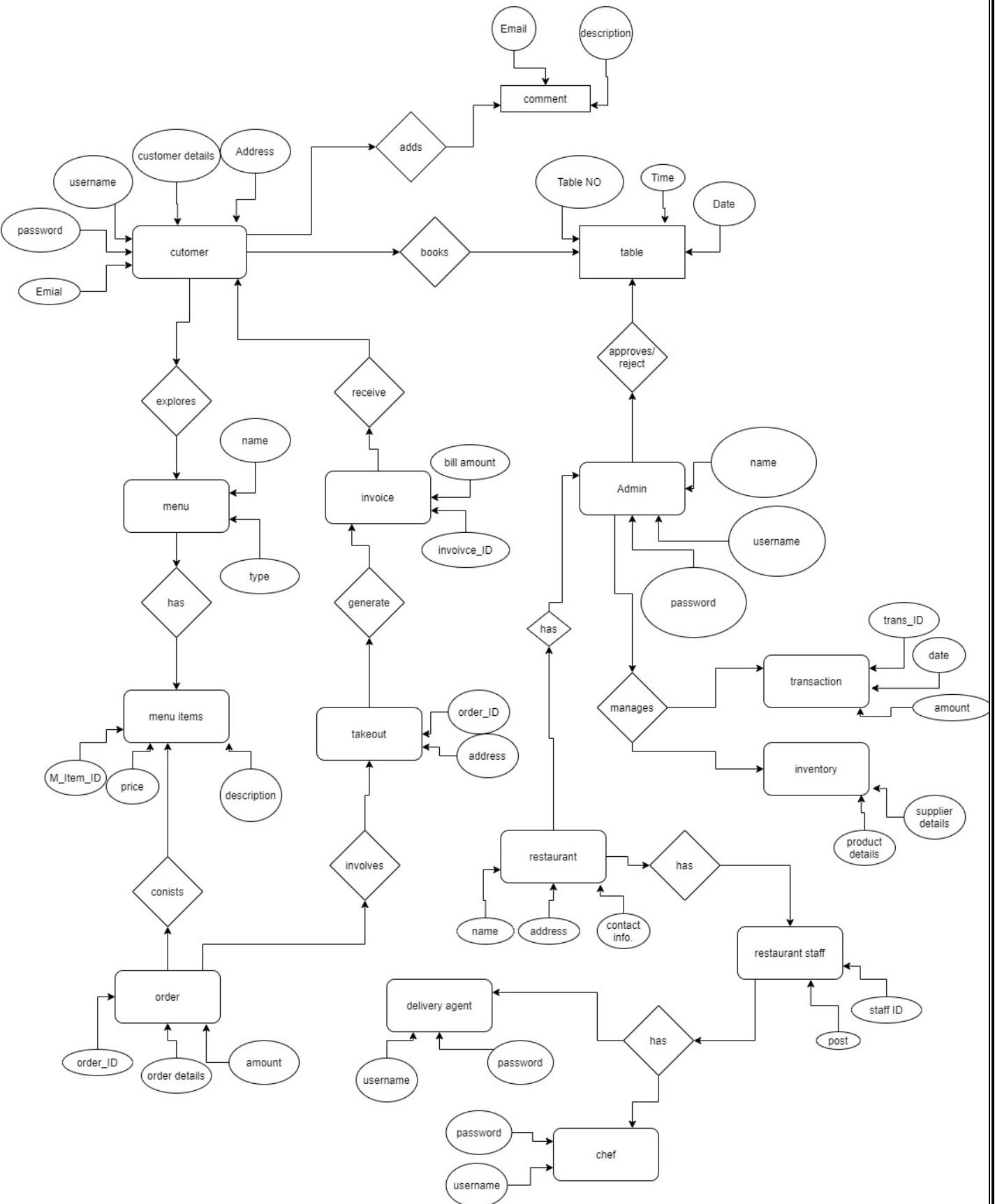
## ❖ Component Diagram:

Component diagrams are different in terms of nature and behavior. Component diagrams are used to model the physical aspects of a system. Now the question is, what are these physical aspects? Physical aspects are the elements such as executables, libraries, files, documents, etc. which reside in a node. Component diagrams are used to visualize the organization and relationships among components in a system. These diagrams are also used to make executable systems.



## ❖ Entity Relationship Diagram:

An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database. An entity in this context is an object, a component of data. An entity set is a collection of similar entities. These entities can have attributes that define its properties. By defining the entities, their attributes, and showing the relationships between them, an ER diagram illustrates the logical structure of databases. ER diagrams are used to sketch out the design of a database.



## ❖ Algorithm Design:

**Step 1:** Initialize the username and password. If don't have one then

Go to Step 2 otherwise Go to Step 3.

**Step 2:** if new user then creates the username and password fill up the other details, and got Step 1.

**Step 3:** check and validate the username and password. If invalid username and Password then go to Step 1 otherwise go to Step 4.

**Step 4:** check and validate the valid operator is Admin or User, if Admin then go to Step 7, if user then go to Step 5, if staff member goes to Step 9.

**Step 5:** Explore menu, select the menu items, book a table, and go to Step 6,

**Step 6:** Add to the cart, order takeout, view orders and got Step 8

**Step 7:** check if table is available. if yes then approve the request for reservation if no then reject.

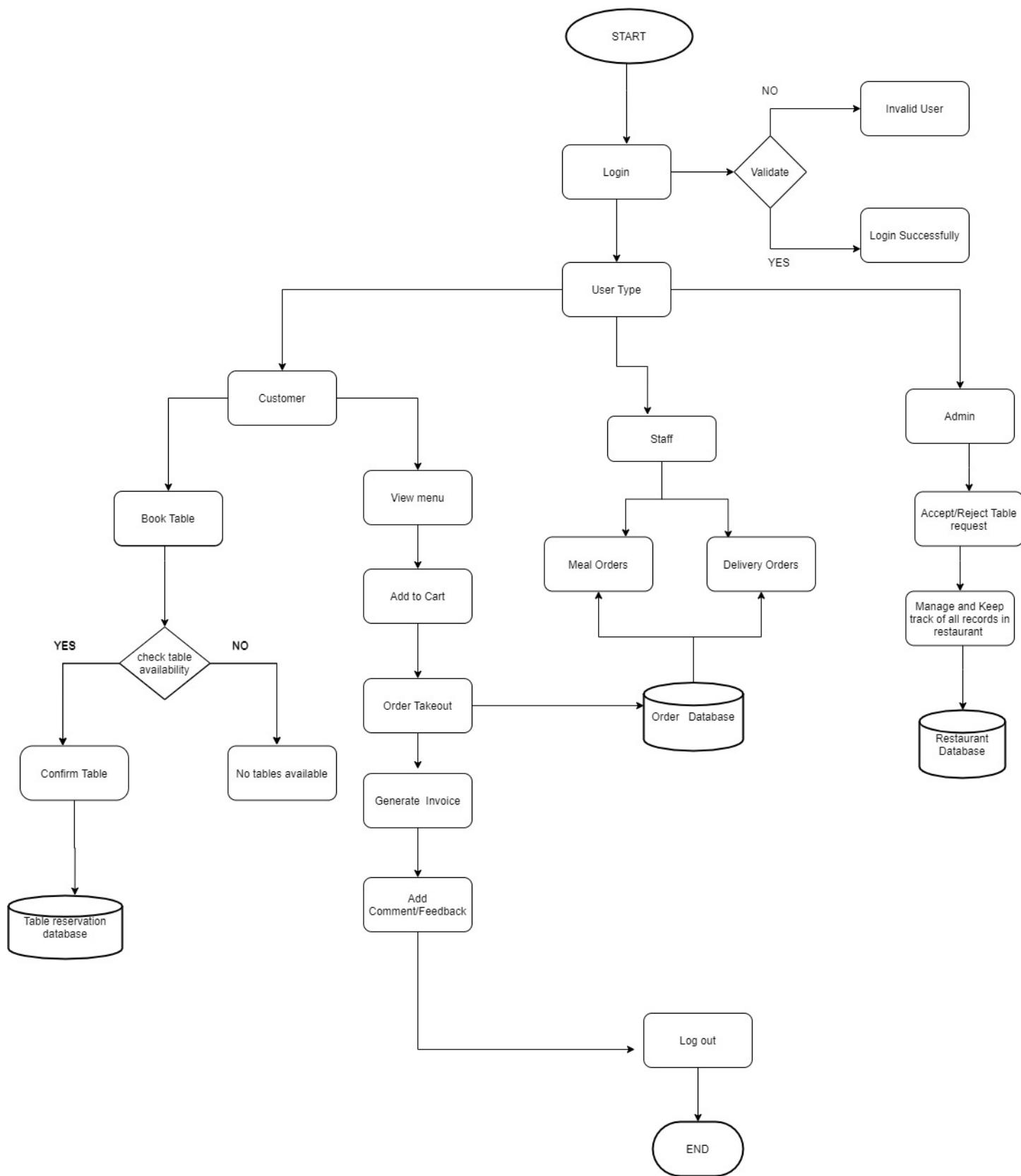
**Step 8:** accept the Invoice and view the details.

**Step 9:** check if meal, delivery order available or not.

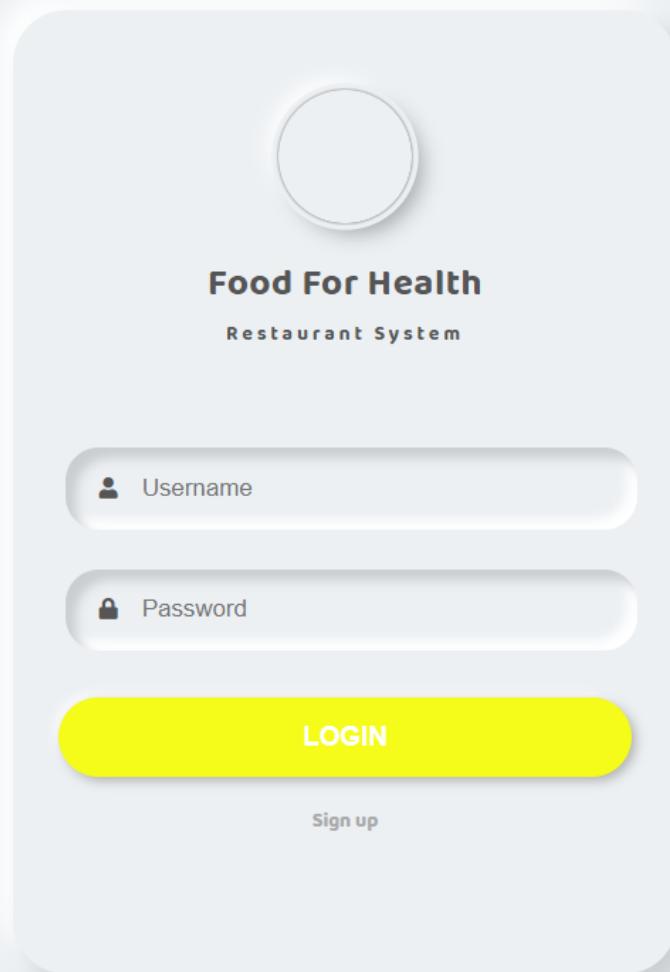
**Step 10:** Log Out.

**Step 11:** END

## ❖ Flowchart: -



#### **4.4 User Interface Design:**



## **4.5 Security Issues:**

Website security is important because nobody wants to have a hacked website. Having a secure website is as vital to someone's online presence as having a website host. You have to think about security while accessing the access to the web services to the end users.

➤ Login: -

The user Login system authenticates the authorized users and will allow the access to work on the system. If the user is unauthorized, they should not be able to interact with the system login should not do anonymous user. if the user is new to the system the registration process will go up.

When the admin Login authenticates the authorized admin only and allows access to work on the system with additional features. Except admin any other users cannot interact with the system.

➤ SQL Injections: -

SQL injection is a type of web application security vulnerability in which an attacker attempts to use application code to access or corrupt database content. If successful, this allows the attacker to create, read, update, alter, or delete data stored in the back-end database. SQL injection is one of the most prevalent types of web application security vulnerabilities.

➤ Broken Authentication: -

Broken authentication encompasses several security issues, all of them having to do with maintaining the identity of a user. If authentication credentials are not protected at all times, an attacker can hijack an active session and assume the identity of a user.

➤ Security Misconfiguration: -

Security misconfiguration encompasses several types of vulnerabilities all centered on a lack of maintenance or a lack of attention to the web application configuration. A secure configuration must be defined and deployed for the application, frameworks, application server, web server, database server and platform. Security misconfiguration gives hackers access to private data or features and can result in a complete system compromise.

➤ Confidentiality, Integrity Availability: -

Confidentiality refers to protecting information from being accessed by unauthorized parties. In other words, only the people who are authorized to do so can gain access to sensitive data. Integrity refers to ensuring the authenticity of information—that information is not altered, and that the source of the information is genuine. Availability means that information is accessible by authorized users.

➤ Guarding data: -

When you make your data, you can use the user authentication mechanisms discussed to guard it. You can use Access Control List to guard files and SQL-based security to guard data in your database. As part of your security for the Web service, consider using a combination of user identity and other security mechanisms as a way to protect your data.

➤ Tracking user activity: -

Many applications require that you give users access to sensitive resources. When the users are using those resources, you will want to be able to see what was done. What did they look at? What actions did they fire? What data did they change? Most of the time, the users will not abuse their privileges. However, when the users are new and are trying to do something wrong, you want to see what

they did. It will help you back out the changes the newbie made. As a safer side. Tracking the changes will help you identify who did what and when.

You will need to use more than one technique to secure your Web service. The combination of techniques depends on what your security requirements are. Pay attention to where you deploy the Web service, and make sure that your critical data is protected from the public Internet. Web services, by providing a well-defined interface, can offer a quite bit of data protection by putting the Web service on the public Internet and allowing only the web service server to get at the data

## **4.6 Test Case Design:**

Test case design refers to how you set-up your test cases. It is important that your tests are designed well, or you could fail to identify bugs and defects in your software during testing. A good test case design technique is crucial to improving the quality of the [software testing process](#). This helps to improve the overall quality and effectiveness of the released software. The test case is a set of conditions or variables under which a tester will determine whether a system under test satisfies requirements or works correctly. The process of developing test cases can also help find problems in the requirements or design of an application.

Test case has following Steps:

- The user will first register to the website and then will be able to login to website with valid credentials.
- Then he or she will be able to book a table as per their requirement.
- To book table, the user will get the response when there is availability of the table.

- User will be able to see their profile and can edit their profile if they wish and can also see their orders for Takeout.
- User will also be able to the restaurant on the map and check the minimum radius for delivery point.
- The user can get Invoice for their Food orders.

The above details are handled by the user, the following is handled by the Admin:

- Setting up price for food items, handling personal information will be managed by the Admin using authorized username and password. Maintaining the menu, menu items, restaurant staff, tables, transactions etc.
- Approve/reject the table reservation based on availability of table.
- Provide food offers on various occasions
- After seeing comments by the user who have visited their website admin must work on their facilities that didn't provide a good service to customer if any.

The following are handles by the restaurant staff:

- Login using valid credentials.
- View meal orders if available.
- View delivery orders if available.

# Chapter 5

## Implementation and Coding

### 5.1 Implementation approaches:-

To implement my project I have used the various standards for designing my Webforms I used CSS, HTML and little bit wherever I can jQuery is and other JavaScript library are used. For the database implementation I used ASP.NET C# and MS-SQL language .I have used SQL Server Management Studio for GUI purposes.

To implement my project that is Online Restaurant Service System website First I started to design all the Webforms used in my website then I worked on its coding i.e. to connect it to database and to store the data provided by user through form in database. I first tested each module individually and checked whether it is working well or not and then integrated it together.

#### ❖ Reservation Module:-

Customer can book table by first login through their account then they have to enter their name and E-Mail Address, select the date and time of their booking and by clicking the check table availability button they can get the list of all available tables according to their selected specificatoions.The customer can select only one table at time and then finally clicking the “Book The Table” button to confirm their reservation.Customers also get the conformation message through E-mail notifications.

#### ❖ Ordering Module:-

From the food menu customer can add to cart the number of items they want to add along with their quantity. They can click the checkout button to place their orders by mentioning the address, mobile no and Email ID.They will receive Order notification through Email. When order is placed Successfully they can download the Invoice.

### **❖ Food Menu:-**

Various food menu items are available for users to pick and select from. Customer can explore the menu through their hearts content.

### **❖ About Us:-**

The About Us page contains the restaurant information such as their story, their mission or goals and the Restaurant team section which gives information about their Cooking staff And Management Staff.

### **❖ Contact Us:-**

Contact form is designed to provide the contact information to the user of this website. Customer can also comment about their experience in the hotels by filling a form for comment just below the contact information. Customer can also comment the required facilities to be improved by restaurant by mentioning them in comments.

### **❖ Accordion:-**

This Contains the frequently asked questions of the website user can get their doubts cleared by clicking on the FAQ page.

## **5.2 Coding Details and Code Efficiency:**

### **Registering New User:-**

**.aspx file**

```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>registration</title>
    <link href="registrationform.css" rel="stylesheet" />
    <script src="RegistrationScript.js"></script>
    <script src="https://kit.fontawesome.com/ddd514325e.js"
crossorigin="anonymous"></script>

</head>
<body>
    <form id="form1" class="form1" runat="server">
        <div runat="server">
            <div class="container">
                <div class="header">
                    <h2>Create Account</h2>
                </div>
                <div id="form" class="form">
                    <div class="form-control">
                        <label for="username">Username</label>
                        <asp:TextBox id="TBusername" CssClass="input"
runat="server" />
                        <i class="far fa-check-circle"></i>
                        <i class="fas fa-exclamation-circle"></i>
                        <small>Error message</small>
                    </div>
                    <div class="form-control">
                        <label for="username">Email</label>
                        <asp:TextBox id="TBemail" CssClass="input"
runat="server" />
                    </div>
                </div>
            </div>
        </form>
    </body>
</html>
```

```

        <i class="far fa-check-circle"></i>
        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
    </div>
    <div class="form-control">
        <label for="username">Password</label>
        <asp:TextBox id="TBpassword" CssClass="input"
runat="server" TextMode="Password" />
        <i class="far fa-check-circle"></i>
        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
    </div>
    <div class="form-control">
        <label for="username">Confirm Password</label>
        <asp:TextBox id="TBconfirmPassword"
CssClass="input" runat="server" TextMode="Password" />
        <i class="far fa-check-circle"></i>
        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
    </div>
    <asp:Button ID="Buttonsubmit" runat="server"
Text="Register" CssClass="button" OnClick="Buttonsubmit_Click"
OnClientClick="javascript:return checkInputs(); " />
        <asp:HyperLink ID="HyperLink1" runat="server"
ForeColor="Orange" NavigateUrl "~/LoginForm_page.aspx" style="text-
decoration:none; margin-left:50px; " >Already Have An
Account</asp:HyperLink>
    </div>
</div>
</div>
</form>
</body>
</html>
```

## .cs file

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;

namespace WebApplication1
{
    public partial class WebForm8 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Buttonsubmit_Click(object sender, EventArgs e)
        {
            String CS =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionStrings;
            using (SqlConnection con = new SqlConnection(CS))
            {
                con.Open();
                SqlCommand cmd = new SqlCommand("insert into
[UserData](username,email,password,usertype)
values(@uname,@email,@password,@utype)", con);
                SqlCommand cmdcheckuser = new SqlCommand("select
count(*) from [UserData] where username=' " + TBusername.Text + " ',",
con);
                int temp =
Convert.ToInt32(cmdcheckuser.ExecuteScalar().ToString().Replace(" ", ""));
                if (temp >= 1)
                {

```

```
Response.Write("<script>alert('user already exist')</script>");  
    }  
    else  
    {  
        cmd.Parameters.AddWithValue("@uname",  
TBusername.Text);  
  
        cmd.Parameters.AddWithValue("@email",  
TBemail.Text);  
        cmd.Parameters.AddWithValue("@password",  
TBpassword.Text);  
        cmd.Parameters.AddWithValue("@utype", "U");  
  
        cmd.ExecuteNonQuery();  
        Response.Write("register successfully");  
    }  
}  
}  
}
```

## Sign Up Form:-

### Create Account

Username

Email

Password

Confirm Password

**Register**

[Already Have An Account](#)

## Login Form:-

### .aspx file

```
<%@ Register Assembly="AjaxControlToolkit"
Namespace="AjaxControlToolkit" TagPrefix="ajaxToolkit" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Login Form</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />

    <link href="LoginForm.css" rel="stylesheet" />

    <link rel="preconnect" href="https://fonts.gstatic.com" />
    <link
    href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@40
0;700&display=swap" rel="stylesheet" />
    <script src="https://kit.fontawesome.com/ddd514325e.js"
crossorigin="anonymous"></script>
    <script src="LoginScript.js"></script>
</head>
<body>
    <form id="form1" runat="server">
        <div runat="server">

            <div class="login-div">
                <div class="logo"></div>
                <div class="title">Food For Health</div>
                <div class="sub-title">Restaurant System</div>
                <div class="fields">
                    <div class="username">
                        <i class="fas fa-user"></i>
                        <asp:TextBox ID="TBlusername" CssClass="user-
input" placeholder="Username" runat="server" />
                        <i class="fas fa-exclamation-circle"></i>
                        <small>Error message</small>
                    </div>
                </div>
            </div>
        </div>
    </form>
</body>
```

```

</div>
        <div class="password">
            <i class="fas fa-lock"></i>
<asp:TextBox ID="TB1password" CssClass="pass-input"
placeholder="Password" runat="server" TextMode="Password" />
            <i class="fas fa-exclamation-circle"></i>
            <small>error message</small>
        </div>
    </div>
    <asp:Button ID="Buttonsubmit" runat="server"
Text="LOGIN" CssClass="signin-button" OnClientClick="javascript:return
checkvalid();" OnClick="Buttonsubmit_Click" />
    <div class="link">
        <a href="RegistrationForm_page.aspx">Sign up</a>
    </div>
</div>
<asp:ScriptManager ID="ScriptManager1"
runat="server"></asp:ScriptManager>
<asp:Panel ID="Panel1" CssClass="modalpopup"
runat="server">
    <asp:Label ID="Lhid" runat="server"
Text=""></asp:Label>
    <div class="popcontainer1">
        <i class="fas fa-exclamation-triangle"></i>
        <asp:Label ID="Label1" runat="server"
CssClass="errortext" Text="Incorrect Username and Password. Please Try
Again"></asp:Label>
    </div>
    <div class="popcontainer2">
        <asp:Button ID="popbuttoncancel" CssClass="okbtn"
runat="server" Text="OK" />
    </div>
</asp:Panel>
<ajaxToolkit:ModalPopupExtender ID="ModalPopupExtender1"
BackgroundCssClass="modalBackground" runat="server"
CancelControlID="popbuttoncancel" TargetControlID="Lhid"
PopupControlID="Panel1">
    </ajaxToolkit:ModalPopupExtender>
</div>
</form>
</body>
</html>

```

### .cs file

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;

namespace WebApplication1
{
    public partial class WebForm4 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
        }
        protected void Buttonsubmit_Click(object sender, EventArgs e)
        {
            String CS =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionString;
            SqlConnection con = new SqlConnection(CS);
            con.Open();
            SqlCommand cmdusertype = new SqlCommand("select * from
UserData where username='" + TBlusername.Text + "' and password='"
+ TBlpassword.Text + "'", con);
            SqlDataAdapter da = new SqlDataAdapter(cmdusertype);
            DataTable dt = new DataTable();
            da.Fill(dt);
            if (dt.Rows.Count != 0)
            {
                string Utype;
                Utype = dt.Rows[0][4].ToString().Trim();
            }
        }
    }
}
```

```
        if (Utype == "U")
        {
            Session["NewUserName"] = TBlusername;
            Response.Redirect("HomePage.aspx");
            con.Close();
        }
        if (Utype == "A")
        {
            Response.Redirect("Admin/AdminHomepage.aspx");
            con.Close();
        }
    }
    else
    {
        ModalPopupExtender1.Show();
        TBlusername.Text = null;
        TB1password.Text = null;
    }
    con.Close();
}
}
```

## Menu Page :-

### .aspx file

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <meta charset="UTF-8"/>
    <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
    <title>Restaurant</title>
    <link rel="stylesheet" href="main.css"/>
    <link rel="preconnect" href="https://fonts.gstatic.com"/>
    <link href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@400;700&display=swap" rel="stylesheet"/>
    <script src="https://kit.fontawesome.com/ddd514325e.js" crossorigin="anonymous"></script>
</head>
<body>
<form id="form1" runat="server">
    <div runat="server">
        <div id="menuu" class="menu">
            <div id="menu-bar" onclick="onClickMenu()">
                <div id="bar1" class="bar"></div>
                <div id="bar2" class="bar"></div>
                <div id="bar3" class="bar"></div>
            <ul id="nav" class="nav">
                <li><a href="HomePage.aspx">Home</a></li>
                <li><a href="LoginForm_page.aspx">Login</a></li>
```

```
<li><a href="MenuPage.aspx">Menu</a></li>
<li><a href="AboutUsPage.aspx">About</a></li>

<li><a href="ContactUsPage.aspx">Contact</a></li>
</ul>
</div>

<header class="header" runat="server">
    <div class="hero">
        <h1 class="title">ONLINE RESTAURANT SERVICE SYSTEM</h1>
        <a href="Reservationpage.aspx" class="hero-button pulsate">Book a table</a>
    </div>
</header>
<section id="about">
    <div>
        <h1 class="title-text">About Us</h1>
    </div>
    <div class="about-center">
        <article class="about">
            <div class="about-icon"><i class="fas fa-cocktail"></i></div>
            <div class="about-text">
                <h2 class="about-subtitle">Drinks</h2>
                <p class="about-info">chilled Drinks to Refresh Your Day</p>
            </div>
        </article>
        <article class="about">
            <div class="about-icon"><i class="fas fa-drumstick-bite"></i></div>
            <div class="about-text">
```

```
<h2 class="about-subtitle">Meat</h2>
<p class="about-info">Delicious and Tender Meat Just For You</p>
</div>

</article>
<article class="about">
<div class="about-icon"><i class="fas fa-fish"></i></div>
<div class="about-text">
    <h2 class="about-subtitle">Seafood</h2>
    <p class="about-info">Exploring The Taste of The Ocean Side</p>
</div>
</article>
<article class="about">
<div class="about-icon"><i class="fas fa-pepper-hot"></i></div>
<div class="about-text">
    <h2 class="about-subtitle">Hot & spicy</h2>
    <p class="about-info">Country Style Spicy Food</p>
</div>
</article>
<article class="about">
<div class="about-icon"><i class="fas fa-utensils"></i></div>
<div class="about-text">
    <h2 class="about-subtitle">Healthy Food</h2>
    <p class="about-info">Health is wealth</p>
</div>
</article>
```

```

<article class="about">
    <div class="about-icon"><i class="fas fa-seedling"></i></div>
    <div class="about-text">
        <h2 class="about-subtitle">Organic Food</h2>
    </div>
<p class="about-info">Eat Best Forget The Rest</p>
</div>
</article>
</div>
</section>
<section class="menu" id="menu">
    <article class="menu-image"></article>
    <article class="menu-text">
        <div class="menu-text-center">
            <h1>Our Menu</h1>
            <p>
                Online Restaurant
                Explore our Menu to Your Hearts Content
            </p>
            <a href="MenuPage.aspx">Explore</a>
        </div>
    </article>
</section>
<section id="social-icons">
    <a href="#"><i class="fab fa-facebook facebook"></i></a>
    <a href="#"><i class="fab fa-instagram instagram"></i></a>
    <a href="#"><i class="fab fa-twitter twitter"></i></a>

```

```
<a href="#"><i class="fab fa-google-plus-g gplus"></i></a>
</section>
<section id="numbers">
    <article class="number">
        <i class="fas fa-cloud-meatball"></i>
        <p>50</p>
        <h3> Meat dishes</h3>

    </article>
    <article class="number">
        <i class="fas fa-cheese"></i>
        <p>35</p>
        <h3> Cheese Variations</h3>
    </article>
    <article class="number">
        <i class="fas fa-pizza-slice"></i>
        <p>25</p>
        <h3> Pizzas</h3>
    </article>
    <article class="number">
        <i class="fas fa-ice-cream"></i>
        <p>40</p>
        <h3> Desserts</h3>
    </article>
</section>
    <div class="cardname">
        <h1>Food Fusion</h1>
    </div>
```

```
<section class="sbody">
    <div class="container">
        <div class="card">
            <div class="imgbx">
                
            </div>
            <div class="content">
                <div class="contentbx">
                    <h3>Burger</h3>

                    </div><ul class="sci">
                        <li style="--i:1;"><a href="#"><i class="fas fa-rupee-sign">150</i></a></li>
                    </ul>
                </div>
            </div>
        <div class="card">
            <div class="imgbx">
                
            </div>
            <div class="content">
                <div class="contentbx">
                    <h3>Fried Chicken </h3>
                </div>
                <ul class="sci">
                    <li style="--i:1;"><a href="#"><i class="fas fa-rupee-sign">500</i></a></li>
                </ul>
            </div>
        </div>
    </div>

```

```
</div>

    <div class="card">
        <div class="imgbx">
            
        </div>
        <div class="content">
            <div class="contentbx">
                <h3>Carrot Soup</h3>
            </div>
            <ul class="sci">

                <li style="--i:1;"><a href="#"><i class="fas fa-rupee-sign">200</i></a></li>
            </ul>
        </div>
    </div>

    <div class="card">
        <div class="imgbx">
            
        </div>
        <div class="content">
            <div class="contentbx">
                <h3>Rice Balls Bowl</h3>
            </div>
            <ul class="sci">
                <li style="--i:1;"><a href="#"><i class="fas fa-rupee-sign">700</i></a></li>
            </ul>
        </div>
    </div>
```

```
</div>

    </div>
</section>

<div class="galleryname">
    <h1>OUR GALLERY</h1>
</div>

<section class="gsection">
    <div class="gcard">
        <div class="gbox">
            <div class="gimgbx">
                

            </div><div class="gcontentbx">
                <div>
                    <h1>Soft Dessert Drink</h1>
                    <p></p>
                </div>
            </div>
        </div>
    </div>
</div>

    <div class="gcard">
        <div class="gbox">
            <div class="gimgbx">
                
            </div>
        <div class="gcontentbx">
            <div>
                <h1>Roasted Salmon Plate</h1>
```

```
<p></p>

        </div>
    </div>
</div>

<div class="gcard">
    <div class="gbox">
        <div class="gimgbx">
            
        </div>
        <div class="gcontentbx">
            <div>
                <h1>Burnt Garlic Noodles</h1>

            </div>
        </div>
    </div>
</div>

<div class="gcard">
    <div class="gbox">
        <div class="gimgbx">
            
        </div>
        <div class="gcontentbx">
            <div>
                <h1>Strawberry Pastry</h1>
                <p></p>
            </div>

```

```
</div>

    </div>
</div>

<div class="gcard">
<div class="gbox">
    <div class="gimgbx">
        
    </div>
    <div class="gcontentbx">
        <div>
            <h1>Creamy Milkshake</h1>
            <p></p>
        </div>
    </div>
</div>

</div>

<div class="gcard">
    <div class="gbox">
        <div class="gimgbx">
            
        </div>
        <div class="gcontentbx">
            <div>
                <h1>Rasberry Pancake</h1>
                <p></p>
            </div>
        </div>
    </div>
```

```
</div>

</div>

<div class="gcard">
  <div class="gbox">
    <div class="gimgbx">
      
    </div>
    <div class="gcontentbx">
      <div>
        <h1>Waffle Ice Cream</h1>
        <p></p>
      </div>
    </div>
  </div>
</div>

<div class="gcard">
  <div class="gbox">

    <div class="gimgbx">
      
    </div>
    <div class="gcontentbx">
      <div>
        <h1>Fruit Tart</h1>
        <p></p>
      </div>
    </div>
  </div>
</div>
```

```
</div>

<section class="footsect">
<footer>

    <div class="footer-container">
        <div class="sec aboutus">
            <h2>About Us</h2>
            <p>Since our modest beginnings in 2005 with a little space in Toronto's stylish Yorkville locale, 'Organization Name' 's development has been enlivened with the energy to cook and serve solid, Indian-roused takeout food. In contrast to other Indian eateries</p>
            <ul class="sci">
                <li><a href="#"><i class="fab fa-facebook"></i></a></li>
                <li><a href="#"><i class="fab fa-twitter"></i></a></li>
                <li><a href="#"><i class="fab fa-instagram"></i></a></li>
                <li><a href="#"><i class="fab fa-youtube"></i></a></li>
            </ul>
        </div>
        <div class="sec quicklinks">
            <h2>Quick Links</h2>
            <ul>
                <li><a href="AboutUsPage.aspx">About Us</a></li>
                <li><a href="FAQPage.aspx">FAQ</a></li>
                <li><a href="ContactUsPage.aspx">Contact</a></li>
            </ul>
        </div>
        <div class="sec contact">
```

```

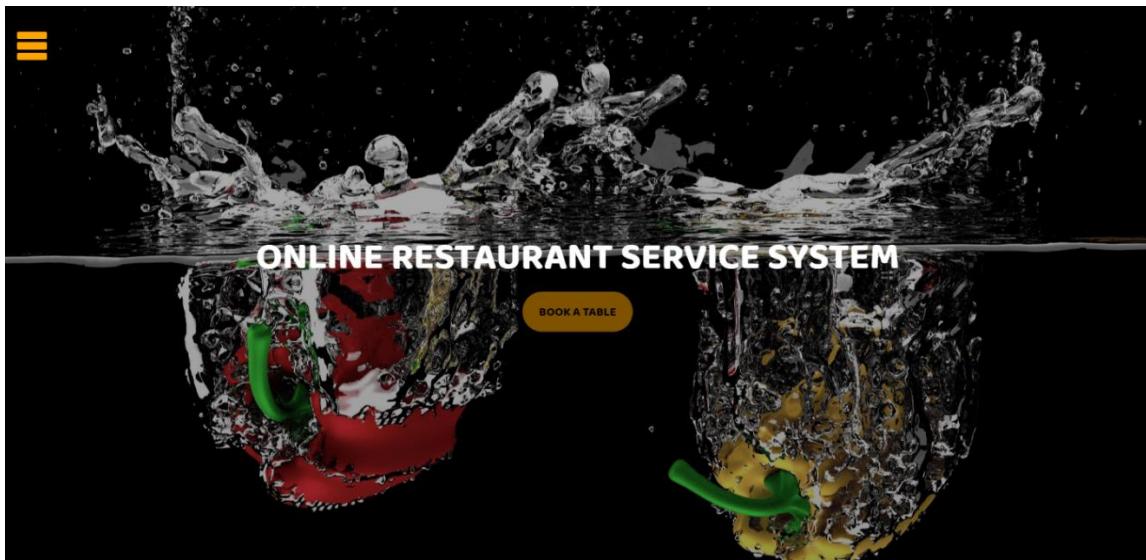
<h2>Contact Info</h2>

    <ul class="info">
        <li>
            <span><i class="fas fa-map-marker-alt"></i></span>
            <span>887 Dragon street<br />
                Azami Kingdom, AZ 43554</span>
        </li>
        <li>
            <span><i class="fas fa-phone-alt"></i></span>
            <p><a href="tel:12345678900">+1 234 567 8900</a><br />
                <a href="tel:12345678900">+1 234 567 8900</a> </p>
        </li>
        <li>
            <span><i class="far fa-envelope"></i></span>
            <p><a
href:"mailto:Restaurant@gmail.com">Restaurant@gmail.com</a></p>
        </li>
    </ul>
</div>
</div>
</footer>

</section>
<div class="copyrighttext">
    <p>Copyright @ 2021 Online Restaurant system. All Rights Reserved</p>
</div>
</div>
<script src="homescrypt.js"></script> </form> </body></html>
Online Restaurant Service System

```

## Screenshot: -



### About Us



#### Drinks

chilled Drinks to Refresh Your Day



#### Meat

Delicious and Tender Meat Just For You



#### Seafood

Exploring The Taste of The Ocean Side



#### Hot & Spicy

Country Style Spicy Food



#### Healthy Food

Health is wealth



#### Organic Food

Eat Best Forget The Rest



## Food Fusion



### OUR GALLERY



#### About Us

Since our modest beginnings in 2005 with a little space in Toronto's stylish Yorkville locale, Organization Name's development has been enlivened with the energy to cook and serve solid, Indian-roused takeout food. In contrast to other Indian eateries



#### Quick Links

[About Us](#)  
[FAQ](#)  
[Contact](#)

#### Contact Info

887 Dragon street  
Azami Kingdom, AZ 43554  
 +1234 567 8900  
+1234 567 8900  
 Restaurant@gmail.com

Copyright @ 2021 Online Restaurant system. All Rights Reserved

## Menu Page:-

### .aspx file

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <meta charset="UTF-8"/>
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <link href="menustyle.css" rel="stylesheet" />
    <link rel="preconnect" href="https://fonts.gstatic.com"/>
    <link
        href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@400;700&display=swap" rel="stylesheet"/>
    <script src="https://kit.fontawesome.com/ddd514325e.js"
        crossorigin="anonymous"></script>
    <title>Menu</title>
    <style type="text/css">
        *{
            margin:0;
            padding:0;
        }
        body{
            font-family: 'Baloo Chettan 2', cursive;
        }
        .auto-style1 {
            width: 100%;
        }
        .auto-style2 {
            height: 32px;
            text-align: center;
            background:#fff;
        }
        .auto-style3 {
            text-align: center;
            background:#fff;
        }
        .auto-style4 {
            text-align: center;
            height: 34px;
        }
    </style>
</head>
<body>
    <div class="auto-style1">
        <ul style="list-style-type: none; padding-left: 0;">
            <li class="auto-style2">Home</li>
            <li class="auto-style2">About Us</li>
            <li class="auto-style2">Services</li>
            <li class="auto-style2">Contact Us</li>
        </ul>
    </div>
</body>
</html>
```

```

        background:#ffa500;
    }
.cartbutton{
    border-radius:30px;
    font-size:25px;
    background:orange;
    color:#000;
    padding:5px 15px;
}
</style>
<script src="https://kit.fontawesome.com/ddd514325e.js"
crossorigin="anonymous"></script>
</head>
<body>
<form id="form1" runat="server">
    <div runat="server">
        <main>
            <div class="box1">
                <a href="HomePage.aspx"></a>
                <label class="cartlabel"><asp:Label ID="Label3"
runat="server"></asp:Label></label>
                <asp:HyperLink ID="HyperLink1" runat="server"
CssClass="cartview" NavigateUrl="~/AddToCart.aspx"><i class="fas fa-
shopping-cart"></i></asp:HyperLink>
            </div>
            <div class="box2">
            </div>
            <div class="box3">
                <div style="text-align:center"><h2 style="font-
size:30px;">OUR MENU</h2></div>
                <div>
                    <asp:DataList ID="DataList1" runat="server"
DataKeyField="id" DataSourceID="SqlDataSource1" RepeatColumns="3"
RepeatDirection="Horizontal" OnItemCommand="DataList1_ItemCommand">
                        <ItemTemplate>
                            <table border="0" class="auto-style1">
                                <tr>
                                    <td class="auto-style4"
style="border:1px solid black;">

```

```

<asp:Label ID="Label4" runat="server" Text='<%# Eval("prodname") %>' 
Font-Size="20px" ForeColor="White" Font-Bold="True"></asp:Label>
                </td>
            </tr>
            <tr><td class="auto-style3">
                <asp:Image ID="Image1" Height="300" 
Width="400" runat="server" ImageUrl='<%# Eval("prodimage") %>' />
                </td>
            </tr>
            <tr>
                <td class="auto-style2">Description:-<br/>
<asp:Label ID="Labeldesc" runat="server" Text='<%# Eval("proddesc") %>'></asp:Label>
                </td>
            </tr>
            <tr>
                <td class="auto-style3"><i class="fas fa-rupee-sign"></i> <asp:Label ID="Label5" ForeColor="Green" 
runat="server" Text='<%# Eval("prodprice") %>' Font-Bold="True" Font-Size="20px"></asp:Label>
                </td>
            </tr>
            <tr>
                <td class="auto-style2">Quantity:<asp:DropDownList ID="DropDownList1" runat="server">
                    <asp:ListItem>1</asp:ListItem>
                    <asp:ListItem>2</asp:ListItem>
                    <asp:ListItem>3</asp:ListItem>
                    <asp:ListItem>4</asp:ListItem>
                    <asp:ListItem>5</asp:ListItem>
                </asp:DropDownList>
                </td>
            </tr>
            <tr>
                <td class="auto-style2">
                    <asp:Button ID="Button1" 
CssClass="cartbutton" runat="server" Text="Add To Cart" 
CommandArgument='<%# Eval("id")%>' CommandName="addtocart" />
                </td>
            </tr>
        </table>
        <br />
    </ItemTemplate>

```

```

        </asp:DataList>
    </div>
    <asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:RestaurantDBConnectionString %>" SelectCommand="SELECT * FROM [MenuTable]"></asp:SqlDataSource>
    <asp:SqlDataSource ID="SqlDataSource2" runat="server"
ConnectionString="<%$ ConnectionStrings:RestaurantDBConnectionString %>" SelectCommand="SELECT * FROM [MenuTable] WHERE ([category] =
@category)">
        <SelectParameters>
            <asp:QueryStringParameter Name="category"
QueryStringField="cat" Type="String" />
        </SelectParameters>
    </asp:SqlDataSource>
</div>
<div class="box4">
</div>
</main><br /><br /><br />
<section class="footsect">
<footer>
    <div class="footer-container">
        <div class="sec aboutus">
            <h2>About Us</h2>
            <p>Since our modest beginnings in 2005 with a little space
in Toronto's stylish Yorkville locale,
                'Organization Name' 's development has been enlivened
with the energy to cook and serve solid,
                Indian-roused takeout food. In contrast to other
Indian eateries</p>
            <ul class="sci">
                <li><a href="#"><i class="fab fa-facebook"></i></a></li>
                <li><a href="#"><i class="fab fa-twitter"></i></a></li>
                <li><a href="#"><i class="fab fa-instagram"></i></a></li>
                <li><a href="#"><i class="fab fa-youtube"></i></a></li>
            </ul>
        </div>
        <div class="sec quicklinks">
            <h2>Quick Links</h2>
            <ul>
                <li><a href="AboutUsPage.aspx">About Us</a></li>
                <li><a href="FAQPage.aspx">FAQ</a></li>
                <li><a href="ContactUsPage.aspx">Contact</a></li>
            </ul>
        </div>
    </div>

```

```

        </ul>
    </div>  <div class="sec contact">
        <h2>Contact Info</h2>
        <ul class="info">
            <li>
                <span><i class="fas fa-map-marker-alt"></i></span>
                <span>887 Dragon street<br />
                    Azami Kingdom, AZ 43554</span>
            </li>
            <li>
                <span><i class="fas fa-phone-alt"></i></span>
                <p><a href="tel:12345678900">+1 234 567 8900</a><br />
                    <a href="tel:12345678900">+1 234 567 8900</a> </p>
            </li>
            <li>
                <span><i class="far fa-envelope"></i></span>
                <p><a
href:"mailto:Restaurant@gmail.com">Restaurant@gmail.com</a></p>
            </li>
        </ul>
    </div>
</div>
</body>
</html>
```

### .cs file

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
```

```
using System.Data.SqlClient;

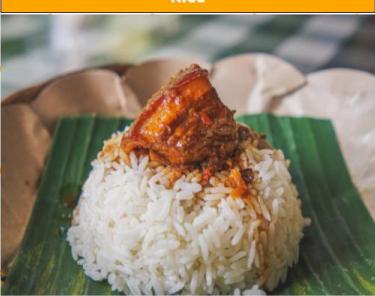
namespace WebApplication1
{
    public partial class WebForm2 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            DataTable dt = new DataTable();
            dt = (DataTable)Session["buyitems"];
            if (dt != null)
            {
                Label3.Text = dt.Rows.Count.ToString();
            }
            else
            {
                Label3.Text = "0";
            }

        }
        protected void DataList1_ItemCommand(object source,
DataListCommandEventArgs e)
        {
            if (Session["NewUserName"] == null)
            {
                Response.Redirect("LoginForm_page.aspx");
            }
            else
            {
                DropDownList dlist =
(DropDownList)(e.Item.FindControl("DropDownList1"));
                Response.Redirect("AddToCart.aspx?id=" +
e.CommandArgument.ToString() + "&quantity=" +
dlist.SelectedItem.ToString());
            }
        }
    }
}
```

## Screenshot:-

ONLINE RESTAURANT  
SERVICE SYSTEM

OUR MENU

<b>Fruit Drink</b>  Description:-Delicious ₹ 200 Quantity: 1 ▾ <b>Add To Cart</b>	<b>waffle ice cream</b>  Description:-Dessert ₹ 350 Quantity: 1 ▾ <b>Add To Cart</b>	<b>milk</b>  Description:-refreshing ₹ 250 Quantity: 1 ▾ <b>Add To Cart</b>
<b>Rice</b>  Description:-Tasty ₹ 600 Quantity: 1 ▾ <b>Add To Cart</b>	<b>Lobster</b>  Description:-seafood ₹ 700 Quantity: 1 ▾ <b>Add To Cart</b>	

## Add To Cart: -

```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Cart</title>
    <link rel="preconnect" href="https://fonts.gstatic.com"/>
    <link
    href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@400;700&display=swap" rel="stylesheet"/>
        <style type="text/css">
            body{
                font-family: 'Baloo Chettan 2', cursive;
                background: #EEEEFF;
            }
            .contorder {
                text-decoration: none;
                padding: 10px;
                border: 2px solid black;
                color: #000;
                background: #fff44f;
                margin-left: 1000px;
                border-radius: 40px;
            }
            .cartcontainer{
                border:2px solid yellow;
                width:250px;
                height:30px;
                background:yellow;
                justify-content:center;
            }
        </style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <br />
            <div class="cartcontainer">&nbsp;&nbsp;
                <label>You Have&nbsp;&nbsp;
```

```

<asp:Label ID="Label2" runat="server"
    ForeColor="Red"></asp:Label>&nbsp;&nbsp;In Your Cart</label>

</div>
    <asp:HyperLink ID="HyperLink1" runat="server"
    CssClass="contorder" NavigateUrl "~/MenuPage.aspx">Continue
    Ordering</asp:HyperLink>
        <br />
        <br />
        <br />
        <asp:GridView ID="GridView1" runat="server"
    AutoGenerateColumns="False" CellPadding="4" ForeColor="#333333"
    GridLines="None" OnRowDeleting="GridView1_RowDeleting"
    ShowFooter="True" HorizontalAlign="Center" HeaderStyle-
    HorizontalAlign="Center" EmptyDataText="No Items selected"
    EmptyDataRowStyle-BackColor="#FFCC99" EmptyDataRowStyle-
    HorizontalAlign="Center">
            <AlternatingRowStyle BackColor="White" />
            <Columns>
                <asp:BoundField DataField="srno" HeaderText="Sr No" >
                    <ItemStyle HorizontalAlign="Center" />
                </asp:BoundField>
                <asp:BoundField DataField="id" HeaderText="Item ID">
                    <ItemStyle HorizontalAlign="Center" />
                </asp:BoundField>
                <asp:BoundField DataField="prodname"
    HeaderText="Item Name">
                    <ItemStyle HorizontalAlign="Center" />
                </asp:BoundField>
                <asp:ImageField DataImageUrlField="prodimage"
    HeaderText="Item Image" ControlStyle-Width="200" ControlStyle-
    Height="100">
                    <ControlStyle Height="100px"
    Width="200px"></ControlStyle>

                    <ItemStyle Height="100px"
    HorizontalAlign="Center" Width="200px" />
                </asp:ImageField>
                <asp:BoundField DataField="prodprice"
    HeaderText="Item Price">
                    <ItemStyle HorizontalAlign="Center" />

```

```

        </asp:BoundField>
            <asp:BoundField DataField="quantity"
HeaderText="Quantity">
                <ItemStyle HorizontalAlign="Center" />

</asp:BoundField>
            <asp:BoundField DataField="ptotalprice"
HeaderText="Total Amount">
                <ItemStyle HorizontalAlign="Center" />
            </asp:BoundField>
            <asp:CommandField DeleteText="Remove Item"
ShowDeleteButton="True" />
        </Columns>
        <FooterStyle BackColor="#990000" Font-Bold="True"
ForeColor="White" />
        <HeaderStyle BackColor="#990000" Font-Bold="True"
ForeColor="White" />
        <PagerStyle BackColor="#FFCC66" ForeColor="#333333"
HorizontalAlign="Center" />
        <RowStyle BackColor="#FFFBD6" ForeColor="#333333" />
        <SelectedRowStyle BackColor="#FFCC66" Font-Bold="True"
ForeColor="Navy" />
        <SortedAscendingCellStyle BackColor="#FDF5AC" />
        <SortedAscendingHeaderStyle BackColor="#4D0000" />
        <SortedDescendingCellStyle BackColor="#FCF6C0" />
        <SortedDescendingHeaderStyle BackColor="#820000" />
    </asp:GridView>
    <br />
    <br />
    <asp:Button ID="Button1" runat="server" Text="Checkout"
Height="40px" Width="250px" style="margin-left:700px"
OnClick="Button1_Click" BackColor="#FF6600" ForeColor="White"
BorderStyle="Solid" Font-Size="X-Large" />
    </div>
</form>
</body>
</html>

```

## .cs file

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
namespace WebApplication1
{
    public partial class AddToCart : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                DataTable dt = new DataTable();
                DataRow dr;
                dt.Columns.Add("srno");
                dt.Columns.Add("id");
                dt.Columns.Add("prodname");
                dt.Columns.Add("quantity");
                dt.Columns.Add("prodprice");
                dt.Columns.Add("ptotalprice");
                dt.Columns.Add("prodimage");
                if (Request.QueryString["id"] != null)
                {
                    if (Session["Buyitems"] == null)
                    {
                        dr = dt.NewRow();
                        String mycon =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionString;
                        SqlConnection scon = new SqlConnection(mycon);
                        string myquery = "select * from MenuTable
where id=" + Request.QueryString["id"];
                        SqlCommand cmd = new SqlCommand();
                        cmd.CommandText = myquery;
                        cmd.Connection = scon;
                        SqlDataAdapter da = new SqlDataAdapter();
```

```

        da.SelectCommand = cmd;
        DataSet ds = new DataSet();
        da.Fill(ds);
        dr["srno"] = 1;
        dr["id"] =
ds.Tables[0].Rows[0]["id"].ToString();
        dr["prodname"] =
ds.Tables[0].Rows[0]["prodname"].ToString();

dr["prodimage"] = ds.Tables[0].Rows[0]["prodimage"].ToString();
        dr["quantity"] =
Request.QueryString["quantity"];
        dr["prodprice"] =
ds.Tables[0].Rows[0]["prodprice"].ToString();
        int price =
Convert.ToInt32(ds.Tables[0].Rows[0]["prodprice"].ToString());
        int quantity =
Convert.ToInt32(Request.QueryString["quantity"].ToString());
        int totalprice = price * quantity;
        dr["ptotalprice"] = totalprice;
        dt.Rows.Add(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        Session["buyitems"] = dt;
        GridView1.FooterRow.Cells[5].Text = "Total Amount";
        GridView1.FooterRow.Cells[6].Text =
grandtotal().ToString();
        Response.Redirect("AddToCart.aspx");
    }
    else
    {
        dt = (DataTable)Session["buyitems"];
        int sr;
        sr = dt.Rows.Count;
        dr = dt.NewRow();
        String mycon =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionString;
        SqlConnection scon = new SqlConnection(mycon);
        string myquery = "select * from MenuTable
where id=" + Request.QueryString["id"];

```

```

SqlCommand cmd = new SqlCommand();
cmd.CommandText = myquery;
cmd.Connection = scon;
SqlDataAdapter da = new SqlDataAdapter();
da.SelectCommand = cmd;
DataSet ds = new DataSet();
da.Fill(ds);
dr["srno"] = sr + 1;
dr["id"] =
ds.Tables[0].Rows[0]["id"].ToString();

dr["prodname"] = ds.Tables[0].Rows[0]["prodname"].ToString();
dr["prodimage"] =
ds.Tables[0].Rows[0]["prodimage"].ToString();
dr["quantity"] =
Request.QueryString["quantity"];
dr["prodprice"] =
ds.Tables[0].Rows[0]["prodprice"].ToString();
int price =
Convert.ToInt32(ds.Tables[0].Rows[0]["prodprice"].ToString());
int quantity =
Convert.ToInt32(Request.QueryString["quantity"].ToString());
int totalprice = price * quantity;
dr["ptotalprice"] = totalprice;
dt.Rows.Add(dr);
GridView1.DataSource = dt;
GridView1.DataBind();
Session["buyitems"] = dt;
GridView1.FooterRow.Cells[5].Text = "Total Amount";
GridView1.FooterRow.Cells[6].Text =
grandtotal().ToString();
Response.Redirect("AddToCart.aspx");
}
else
{
    dt = (DataTable)Session["buyitems"];
    GridView1.DataSource = dt;
    GridView1.DataBind();
    if (GridView1.Rows.Count > 0)
    {

```

```

        GridView1.FooterRow.Cells[5].Text = "Total Amount";
        GridView1.FooterRow.Cells[6].Text =
grandtotal().ToString();
    }
}
Label2.Text = GridView1.Rows.Count.ToString();
}
}
public int grandtotal()
{
    DataTable dt = new DataTable();

dt = (DataTable)Session["buyitems"];
    int nrow = dt.Rows.Count;
    int i = 0;
    int gtotal = 0;
    while (i < nrow)
    {
        gtotal = gtotal +
Convert.ToInt32(dt.Rows[i]["ptotalprice"].ToString()));

        i = i + 1;

    }
    return gtotal;
}

protected void GridView1_RowDeleting(object sender,
GridViewDeleteEventArgs e)
{
    DataTable dt = new DataTable();
    dt = (DataTable)Session["buyitems"];
    for (int i = 0; i <= dt.Rows.Count - 1; i++)
    {
        int sr;
        int sr1;
        string qdata;
        string dtdata;
        sr = Convert.ToInt32(dt.Rows[i]["srno"].ToString());
        TableCell cell = GridView1.Rows[e.RowIndex].Cells[0];
        qdata = cell.Text;

```

```

sr1 = Convert.ToInt32(qdata);
        dtdata = sr.ToString();
        if (sr == sr1)
        {
            dt.Rows[i].Delete();
            dt.AcceptChanges();
            break;

        }
    }
for (int i = 1; i <= dt.Rows.Count; i++)
{
    dt.Rows[i - 1]["srno"] = i;

dt.AcceptChanges();
}
Session["buyitems"] = dt;
Response.Redirect("AddToCart.aspx");
}
protected void Button1_Click(object sender, EventArgs e)
{
    Response.Redirect("PlaceOrder.aspx");
}
}

```

## ScreenShot: -

You Have **3** In Your Cart

[Continue Ordering](#)

Sr No	Item ID	Item Name	Item Image	Item Price	Quantity	Total Amount
1	9	waffle ice cream		350	2	700
2	10	milk		250	1	250
3	13	Lobster		700	2	1400

**Total Amount 2350**

[Checkout](#)

## Place Order: -

### .aspx file

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Place Order</title>
    <link rel="preconnect" href="https://fonts.gstatic.com"/>
    <link
        href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@400;700&display=swap" rel="stylesheet"/>
    <style>
        body{
            display:flex;
            align-items:center;
            justify-content:center;
            font-family:'Baloo Chettan 2', cursive;
            background:#fdf9ef;
        }
        .container{
            display:flex;
            align-items:center;
            justify-content:center;
            flex-direction: column;
            width:800px;
            background:yellow;
            padding:30px;
            border-radius:20px;
            box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0
                        rgba(0, 0, 0, 0.19);
        }
        .info{
            display:flex;
            align-items:center;
            justify-content:center;
            flex-direction: column;
        }
        .addr{
            resize:none;
            border:none;
        }
    </style>
</head>
<body>
    <div class="container">
        <div class="info">
            <input type="text" value="Name" />
            <input type="text" value="Address" />
            <input type="text" value="Phone Number" />
            <input type="text" value="Email ID" />
            <input type="text" value="Order Details" />
        </div>
        <div class="addr">
            <input type="text" value="Delivery Address" />
        </div>
        <div>
            <input type="button" value="Place Order" />
        </div>
    </div>
</body>
</html>
```

```

        border-radius:10px;                }
    .titletxt{
        font-size:20px;
        color:#000;
        font-weight:700;
    }
    .orderbutton{
        height:30px;
        width:250px;
        background:green;
        color:#fff;
        font-size:20px;
        border:1px solid green;
    }
}
.pagename{
    background:orange;
    text-align:center;
    color:#fff;
    font-weight:700;
    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0
rgba(0, 0, 0, 0.19);
}
</style>
</head>
<body>
    <form id="form1" runat="server">
        <div runat="server">
            <div class="pagename">
                <h2>Order Page</h2>
            </div>
            <div class="container">
                <label style="display:none;">Order ID: <asp:Label
ID="Label3" runat="server"></asp:Label></label>
                <label style="font-size:20px; font-weight:500;">Order
Date:<asp:Label ID="Label4" runat="server"> </asp:Label></label>
                <br /><br />
                <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" BackColor="LightGoldenrodYellow"
BorderColor="Tan" BorderWidth="1px" CellPadding="2" ForeColor="Black"
GridLines="None" Height="40px" ShowFooter="True"
HorizontalAlign="Center" HeaderStyle-HorizontalAlign="Center">

```

Online Restaurant Service System

```

<AlternatingRowStyle BackColor="White" />

<AlternatingRowStyle BackColor="PaleGoldenrod" />
    <Columns>
        <asp:BoundField DataField="srno"
HeaderText="Sr No" />
        <asp:BoundField DataField="id"
HeaderText="Item ID" />
        <asp:BoundField DataField="prodname"
HeaderText="Item Name" />
        <asp:ImageField DataImageUrlField="prodimage"
HeaderText="Item Image" ControlStyle-Width="200" ControlStyle-
Height="100">
            </asp:ImageField>
        <asp:BoundField DataField="prodprice"
HeaderText="Item Price" />
        <asp:BoundField DataField="quantity"
HeaderText="Qunatity" />
        <asp:BoundField DataField="ptotalprice"
HeaderText="Total Price" />
    </Columns>
    <FooterStyle BackColor="Tan" />
    <HeaderStyle BackColor="Tan" Font-Bold="True" />
    <PagerStyle BackColor="PaleGoldenrod"
ForeColor="DarkSlateBlue" HorizontalAlign="Center" />
    <SelectedRowStyle BackColor="DarkSlateBlue"
ForeColor="GhostWhite" />
    <SortedAscendingCellStyle BackColor="#FAFAE7" />
    <SortedAscendingHeaderStyle BackColor="#DAD09E" />
    <SortedDescendingCellStyle BackColor="#E1DB9C" />
    <SortedDescendingHeaderStyle BackColor="#C2A47B" />
</asp:GridView>
<br /><br />
<div class="info">
    <label class="titletxt">Enter Address</label>
<asp:TextBox ID="TextBox1" runat="server" Height="62px"
TextMode="MultiLine" CssClass="addr" Width="448px"></asp:TextBox>
    <asp:RequiredFieldValidator
ID="RequiredFieldValidator1" runat="server" ErrorMessage="Please Enter
Address" Display="Dynamic" ControlToValidate="TextBox1"
ForeColor="Red" ></asp:RequiredFieldValidator>

```

```
<br />
    <label class="titletxt">Enter Mobile Number</label><asp:TextBox ID="TextBox2" runat="server" Height="30px" Width="363px" style="border:none; border-radius:20px;"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ErrorMessage="Mobile Number Is Required" ControlToValidate="TextBox2" ForeColor="Red" Display="Dynamic"></asp:RequiredFieldValidator>
            <asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server" ErrorMessage="Please Enter a valid Phone Number" ForeColor="Red" ValidationExpression="[0-9]{10}" ControlToValidate="TextBox2" Display="Dynamic"></asp:RegularExpressionValidator>
                <br />
                <label class="titletxt">Enter Gmail Address</label><asp:TextBox ID="TextBox3" runat="server" Height="30px" Width="363px" style="border:none; border-radius:20px;"></asp:TextBox>
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server" ErrorMessage="please enter Gmail address" ForeColor="Red" ControlToValidate="TextBox3"></asp:RequiredFieldValidator>
                        <asp:RegularExpressionValidator ID="RegularExpressionValidator2" runat="server" ErrorMessage="Enter Valid Gmail address" ForeColor="Red" ControlToValidate="TextBox3" ValidationExpression="\w+([-+.'])\w+@\w+([-.\w+)*\.\w+([-.\w+)*]" Display="Dynamic"></asp:RegularExpressionValidator>
                            </div>
                            <br />
                            <br />
                            <asp:Button ID="Button1" CssClass="orderbutton" runat="server" Text="Place Order" OnClick="Button1_Click" />
                        </div>

                    </div>
                </form>
            </body>
        </html>
```

### .cs file

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
using System.Net;
using System.Net.Mail;
namespace WebApplication1
{
    public partial class PlaceOrder : System.Web.UI.Page
    {
        string gobvar;
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                DataTable dt = new DataTable();
                DataRow dr;
                dt.Columns.Add("srno");
                dt.Columns.Add("id");
                dt.Columns.Add("prodname");
                dt.Columns.Add("quantity");
                dt.Columns.Add("prodprice");
                dt.Columns.Add("ptotalprice");
                dt.Columns.Add("prodimage");
                if (Request.QueryString["id"] != null)
                {
                    if (Session["Buyitems"] == null)
                    {
                        dr = dt.NewRow();
                        String mycon =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.Connection;
                        SqlConnection scon = new SqlConnection(mycon);

```

```

string myquery = "select * from MenuTable where id=" +
    Request.QueryString["id"];
    SqlCommand cmd = new SqlCommand();
    cmd.CommandText = myquery;
    cmd.Connection = scon;
    SqlDataAdapter da = new SqlDataAdapter();
    da.SelectCommand = cmd;
    DataSet ds = new DataSet();
    da.Fill(ds);
    dr["srno"] = 1;
    dr["id"] =
ds.Tables[0].Rows[0]["id"].ToString();
    dr["prodname"] =
ds.Tables[0].Rows[0]["prodname"].ToString();
    dr["prodimage"] =
ds.Tables[0].Rows[0]["prodimage"].ToString();
    dr["quantity"] =
Request.QueryString["quantity"];
    dr["prodprice"] =
ds.Tables[0].Rows[0]["prodprice"].ToString();
    int price =
Convert.ToInt32(ds.Tables[0].Rows[0]["prodprice"].ToString());
    int quantity =
Convert.ToInt32(Request.QueryString["quantity"].ToString());
    int totalprice = price * quantity;
    dr["ptotalprice"] = totalprice;

    dt.Rows.Add(dr);
    GridView1.DataSource = dt;
    GridView1.DataBind();

    Session["buyitems"] = dt;
    GridView1.FooterRow.Cells[5].Text = "Total
Amount";
    GridView1.FooterRow.Cells[6].Text =
grandtotal().ToString();
    Response.Redirect("AddToCart.aspx");
}
else
{
    dt = (DataTable)Session["buyitems"];
    int sr;

```

```

sr = dt.Rows.Count;
dr = dt.NewRow();
String mycon =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionString;
SqlConnection scon = new SqlConnection(mycon);
string myquery = "select * from MenuTable
where id=" + Request.QueryString["id"];
SqlCommand cmd = new SqlCommand();
cmd.CommandText = myquery;
cmd.Connection = scon;
SqlDataAdapter da = new SqlDataAdapter();
da.SelectCommand = cmd;
DataSet ds = new DataSet();
da.Fill(ds);
dr["srno"] = sr + 1;
dr["id"] =
ds.Tables[0].Rows[0]["id"].ToString();
dr["prodname"] =
ds.Tables[0].Rows[0]["prodname"].ToString();
dr["prodimage"] =
ds.Tables[0].Rows[0]["prodimage"].ToString();
dr["quantity"] =
Request.QueryString["quantity"];
dr["prodprice"] =
ds.Tables[0].Rows[0]["prodprice"].ToString();
int price =
Convert.ToInt32(ds.Tables[0].Rows[0]["prodprice"].ToString());
int quantity =
Convert.ToInt32(Request.QueryString["quantity"].ToString());
int totalprice = price * quantity;
dr["ptotalprice"] = totalprice;

dt.Rows.Add(dr);
GridView1.DataSource = dt;
GridView1.DataBind();

Session["buyitems"] = dt;
GridView1.FooterRow.Cells[5].Text = "Total
Amount";

```

```

GridView1.FooterRow.Cells[6].Text = grandtotal().ToString();

Response.Redirect("AddToCart.aspx");
    }
}
else
{
    dt = (DataTable)Session["buyitems"];
    GridView1.DataSource = dt;
    GridView1.DataBind();
    if (GridView1.Rows.Count > 0)
    {
        GridView1.FooterRow.Cells[5].Text = "Total Amount";
        GridView1.FooterRow.Cells[6].Text =
grandtotal().ToString();
    }
}
Label4.Text = DateTime.Now.ToShortDateString();
findorderid();
}

public int grandtotal()
{
    DataTable dt = new DataTable();
    dt = (DataTable)Session["buyitems"];
    int nrow = dt.Rows.Count;
    int i = 0;
    int gtotal = 0;
    while (i < nrow)
    {
        gtotal = gtotal +
Convert.ToInt32(dt.Rows[i]["ptotalprice"].ToString());

        i = i + 1;

    }
    return gtotal;
}
public void findorderid()
{
    string pass = "ABCDEFGHIJKLMNOPQRSTUVWXYZW1234567890";

```

```

Random r = new Random();
char[] mypass = new char[5];

for (int i = 0; i < 5; i++)
{
    mypass[i] = pass[(int)(35 * r.NextDouble())];
}
string orderid;
orderid = "Order" + DateTime.Now.Hour.ToString() +
DateTime.Now.Minute.ToString() + DateTime.Now.Second.ToString() +
DateTime.Now.Day.ToString() + DateTime.Now.Year.ToString() + new
string(mypass);
Label3.Text = orderid;
gobvar = orderid;
}
public void saveaddress()
{
    string mycon1 =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionString;
    SqlConnection s = new SqlConnection(mycon1);
    s.Open();
    SqlCommand cmd1 = new SqlCommand("insert into
OrderAddress(orderid, address, mobilenumber)
values(@orderid,@address,@mobilenumber)",s);
    cmd1.Parameters.AddWithValue("@orderid", Label3.Text);
    cmd1.Parameters.AddWithValue("@address", TextBox1.Text);
    cmd1.Parameters.AddWithValue("@mobilenumber",
TextBox2.Text);
    cmd1.ExecuteNonQuery();
    s.Close();
}
protected void Button1_Click(object sender, EventArgs e)
{
    DataTable dt;

    dt = (DataTable)Session["buyitems"];
    for (int i = 0; i <= dt.Rows.Count - 1; i++)

```

```

{
    string updatepass = "insert into
OrderDetails(orderid,productid,productname,price,quantity,dateoforder)
values('" + Label3.Text + "','" + dt.Rows[i]["id"] + "','" +
dt.Rows[i]["prodname"] + "','" + dt.Rows[i]["prodprice"] + "','" +
dt.Rows[i]["quantity"] + "','" + Label4.Text + "')";
    string con1 =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionString;
    SqlConnection s = new SqlConnection(con1);
    s.Open();
    SqlCommand cmd1 = new SqlCommand();
    cmd1.CommandText = updatepass;
    cmd1.Connection = s;
    cmd1.ExecuteNonQuery();
    s.Close();

}
saveaddress();
SmtpClient smtp = new SmtpClient();
smtp.Host = "smtp.gmail.com";
smtp.Port = 587;
smtp.UseDefaultCredentials = false;
smtp.Credentials = new
System.Net.NetworkCredential("youremail@gmail.com", "password#000");
smtp.EnableSsl = true;
MailMessage msg = new MailMessage();
msg.Subject = "Delivery Order";
msg.Body = "Your Order With ID:" + gobvar + " is on its way
to be delivered";
string toaddress = TextBox3.Text;
msg.To.Add(toaddress);
string fromaddress = "Restaurant System
<hrishabhgawad888@gmail.com>";
msg.From = new MailAddress(fromaddress);
try
{
    smtp.Send(msg);
}

```

```

        }
    catch
    {
        throw;
    }

    Response.Redirect("SuccessfullOrder.aspx?orderid=" + Label3.Text);
}
}
}

```

## Screenshot: -

**Order Page**

Order Date: 31-Mar-21

Sr No	Item ID	Item Name	Item Image	Item Price	Quantity	Total Price
1	9	waffle ice cream		350	2	700
2	10	milk		250	1	250
3	13	Lobster		700	2	1400
						Total Amount 2350

**Enter Address**

**Enter Mobile Number**

**Enter Gmail Address**

**Place Order**

## Successful Order: -

.aspx file

```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Successful Order</title>
    <link rel="preconnect" href="https://fonts.gstatic.com"/>
    <link
        href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@400;700&display=swap" rel="stylesheet"/>
    <style type="text/css">
        *{
            margin:0;
            padding:0;
        }
        body{
            font-family: 'Baloo Chettan 2', cursive;
        }
        .auto-style1 {
            width: 100%;
            height: 332px;
        }
        .auto-style2 {
            text-align: center;
            height: 46px;
        }
        .auto-style3 {
            height: 71px;
        }
        .auto-style4 {
            width: 100%;
            height: 64px;
        }
        .auto-style5 {
            width: 612px;
            height: 90px;
        }
        .auto-style6 {
```

```

        height: 90px;
    }
.auto-style7 {
    }
</style>

</head>
<body>
    <form id="form1" runat="server">
        <div runat="server">
            <div style="height:50px; text-align:center; color:#000;
background:orange; padding:10px;">
                <h2>Your Order has Been Placed Successfully</h2>
            </div>
            <br />
            <br />
            <label style="display:none;">Order ID: <asp:Label
ID="Label3" runat="server"></asp:Label><br />
            <div style="height:50px; text-align:center; color:red;">
                <label>Please Download The Invoice By Clicking The Below
Button</label>
            </div>
            <br />
            <div style="display:flex; align-items:center; justify-
content:center;">
                <asp:Button ID="Button1" runat="server"
OnClick="Button1_Click" Text="Download Invoice" Height="40px"
Width="300px" BackColor="#3333FF" BorderColor="#000099"
ForeColor="White" />
            </div>
            <br />
            <br />
            <asp:Panel ID="Panel1" runat="server">
                <table class="auto-style1" border="1">
                    <tr>
                        <td class="auto-style2">Retail Invoice</td>
                    </tr>
                    <tr>
                        <td class="auto-style3">Order NO:<asp:Label
ID="Label4" runat="server"></asp:Label>
                        <br />

```

```

<br />
Order Date:<asp:Label ID="Label5" runat="server"></asp:Label>
</td>
</tr>
<tr>
<td>
<table border="1" class="auto-style4">
<tr>
<td class="auto-style5">Customer
Address:-<br />
<asp:Label ID="Label6"
runat="server"></asp:Label>
</td>
<td class="auto-style6">Restaurant
Address:-<br /> Online Restaurant Service System</td>
</tr>
</table>
</td>
</tr>
<tr>
<td>
<asp:GridView ID="GridView1"
runat="server" AutoGenerateColumns="False" CssClass="auto-style7"
Height="260px" style="width:100%;">
<Columns>
<asp:BoundField
DataField="productid" HeaderText="Item ID">
<ItemStyle
HorizontalAlign="Center" />
</asp:BoundField>
<asp:BoundField
DataField="productname" HeaderText="Item Name">
<ItemStyle
HorizontalAlign="Center" />
</asp:BoundField>
<asp:BoundField DataField="price"
HeaderText="Item Price">
<ItemStyle
HorizontalAlign="Center" />
</asp:BoundField>
<asp:BoundField
DataField="quantity" HeaderText="Quantity">

```

Online Restaurant Service System

```

<ItemStyle HorizontalAlign="Center" />
                                </asp:BoundField>
                                <asp:BoundField
DataField="ptotalprice" HeaderText="Total Price">
                                <ItemStyle
HorizontalAlign="Center" />
                                </asp:BoundField>
                            </Columns>
                        </asp:GridView>
                    </td>
                </tr>
                <tr>
                    <td><label> Grand Total:Rs <asp:Label
ID="Label8" runat="server" Font-Bold="True" ForeColor="Red"
></asp:Label></label>
                    </td>
                </tr>
                <tr>
                    <td>THIS IS A COMPUTER GENERATED INVOICE NO
SIGNATURE REQUIRED </td>
                </tr>
            </table>
        </asp:Panel>

    </div>
</form>
</body>
</html>

```

### .cs file

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
using iTextSharp.text;

```

```

using System.IO;

using iTextSharp.text.html.simpleparser;
using iTextSharp.text.pdf;
namespace WebApplication1
{
    public partial class SuccessfullOrder : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            Label3.Text=Request.QueryString["orderid"];
            Label4.Text = Label3.Text;
            findorderdate(Label4.Text);
            findaddress(Label4.Text);
            showgrid(Label4.Text);
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            exportpdf();
        }

        private void exportpdf()
        {
            Response.ContentType = "application/pdf";
            Response.AddHeader("content-disposition",
"attachment;filename=OrderInvoice.pdf");
            Response.Cache.SetCacheability(HttpCacheability.NoCache);
            StringWriter sw = new StringWriter();
            HtmlTextWriter hw = new HtmlTextWriter(sw);
            Panel1.RenderControl(hw);
            StringReader sr = new StringReader(sw.ToString());
            Document pdfDoc = new Document(PageSize.A4, 10f, 10f,
100f, 0f);
            HTMLWorker htmlparser = new HTMLWorker(pdfDoc);
            PdfWriter.GetInstance(pdfDoc, Response.OutputStream);
            pdfDoc.Open();
            htmlparser.Parse(sr);
            pdfDoc.Close();
            Response.Write(pdfDoc);
            Response.End();
        }
    }
}

```

```

        }
    private void findorderdate(String Orderid)

    {
        String mycon =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionStrings;
        String myquery = "select * from OrderDetails where
orderid=''" + Orderid + "'";
        SqlConnection con = new SqlConnection(mycon);
        SqlCommand cmd = new SqlCommand();
        cmd.CommandText = myquery;
        cmd.Connection = con;
        SqlDataAdapter da = new SqlDataAdapter();
        da.SelectCommand = cmd;
        DataSet ds = new DataSet();
        da.Fill(ds);
        if (ds.Tables[0].Rows.Count > 0)
        {
            Label5.Text =
ds.Tables[0].Rows[0]["dateoforder"].ToString();
        }
        con.Close();
    }
    private void findaddress(String Orderid)
    {
        String mycon =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionStrings;
        String myquery = "select * from OrderAddress where
orderid=''" + Orderid + "'";
        SqlConnection con = new SqlConnection(mycon);
        SqlCommand cmd = new SqlCommand();
        cmd.CommandText = myquery;
        cmd.Connection = con;
        SqlDataAdapter da = new SqlDataAdapter();
        da.SelectCommand = cmd;
        DataSet ds = new DataSet();
        da.Fill(ds);
        if (ds.Tables[0].Rows.Count > 0)
        {

```

```

Label6.Text = ds.Tables[0].Rows[0]["address"].ToString();
}
con.Close();
}

private void showgrid(String orderid)
{
    DataTable dt = new DataTable();
    DataRow dr;

    dt.Columns.Add("productid");
    dt.Columns.Add("productname");
    dt.Columns.Add("quantity");
    dt.Columns.Add("price");
    dt.Columns.Add("ptotalprice");

    String mycon =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionString;
    SqlConnection scon = new SqlConnection(mycon);
    string myquery = "select * from OrderDetails where
orderid=' " + orderid + " '";
    SqlCommand cmd = new SqlCommand();
    cmd.CommandText = myquery;
    cmd.Connection = scon;
    SqlDataAdapter da = new SqlDataAdapter();
    da.SelectCommand = cmd;
    DataSet ds = new DataSet();
    da.Fill(ds);
    int totalrows = ds.Tables[0].Rows.Count;
    int i = 0;
    int grandtotal = 0;

    while (i < totalrows)
    {
        dr = dt.NewRow();

        dr["productid"] =
ds.Tables[0].Rows[i]["productid"].ToString();
        dr["productname"] =
ds.Tables[0].Rows[i]["productname"].ToString();
        dr["quantity"] =
ds.Tables[0].Rows[i]["quantity"].ToString();

```

```

dr["price"] = ds.Tables[0].Rows[i]["price"].ToString();
int price = Convert.ToInt16(ds.Tables[0].Rows[i]["price"].ToString());
int quantity =
Convert.ToInt16(ds.Tables[0].Rows[i]["quantity"].ToString());
int totalprice = price * quantity;
dr["ptotalprice"] = totalprice;
grandtotal = grandtotal + totalprice;
dt.Rows.Add(dr);
i = i + 1;
}
GridView1.DataSource = dt;
GridView1.DataBind();
Label8.Text = grandtotal.ToString();
}
public override void VerifyRenderingInServerForm(Control
control)
{
}
}
}
}

```

### Screenshot:-

**Your Order has Been Placed Successfully**

Please Download The Invoice By Clicking The Below Button

[Download Invoice](#)

Retail Invoice				
Order NO:Order12485031202107045				
Order Date:31-Mar-21				
Customer Address:- virar		Restaurant Address:- Online Restaurant Service System		
Item ID	Item Name	Item Price	Quantity	Total Price
9	waffle ice cream	350	2	700
10	milk	250	1	250
13	Lobster	700	2	1400
Grand Total:Rs <b>2350</b>				
THIS IS A COMPUTER GENERATED INVOICE NO SIGNATURE REQUIRED				

## Reservations:-

### **.aspx file**

```
<%@ Register Assembly="AjaxControlToolkit"
Namespace="AjaxControlToolkit" TagPrefix="ajaxToolkit" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Reservation</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />

    <link href="reservation.css" rel="stylesheet" />
    <link href="jquery.nice-number.css" rel="stylesheet" />
    <link rel="preconnect" href="https://fonts.gstatic.com" />
    <link
        href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@400;700&display=swap" rel="stylesheet" />
    <script src="https://kit.fontawesome.com/ddd514325e.js"
        crossorigin="anonymous"></script>
</head>
<body>
    <form id="form1" runat="server">
        <div runat="server">
            <div class="pagetitle" style="background: orange;">
                <a href="HomePage.aspx">
                    </a>
                </div>
            <section class="banner">
                <h2>BOOK YOUR TABLE NOW</h2>
                <div class="card-container">
                    <div class="card-img">
                    </div>
                    <div class="card-content">
                        <h3>RESERVATIONS</h3>
```

```

<div class="form-row2">
    <div class="form_div">
        <asp:TextBox ID="TBemail"
        CssClass="form_input" placeholder=" " runat="server"></asp:TextBox>
        <asp:Label ID="Label1" for=""
        runat="server" CssClass="form_label" Text="Email"></asp:Label>
        </div>
        &nbsp;
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
        <asp:RequiredFieldValidator
        ID="RequiredFieldValidator2" runat="server" ErrorMessage="enter your
        email" ForeColor="Red" Display="Dynamic"
        ControlToValidate="TBemail"></asp:RequiredFieldValidator>
        <asp:RegularExpressionValidator
        ID="RegularExpressionValidator2" runat="server" ErrorMessage="Enter
        Valid Gmail address" ControlToValidate="TBemail"
        ValidationExpression="\w+([-.\'])\w+@\w+([-.\'])\w+\.\w+([-.\'])\w+*"
        Display="Dynamic"></asp:RegularExpressionValidator>
        <div class="form_div">
            <asp:TextBox ID="TBfullname"
            CssClass="form_input" placeholder=" " runat="server"></asp:TextBox>
            <asp:Label ID="Label2" for=""
            runat="server" CssClass="form_label" Text="Full Name"></asp:Label>
            </div>
            &nbsp;
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
        <asp:RequiredFieldValidator ID="RequiredFieldValidator1"
        runat="server" ErrorMessage="enter your name" ForeColor="Red"
        Display="Dynamic"
        ControlToValidate="TBfullname"></asp:RequiredFieldValidator>
        </div>
        <div class="form-row3">
            <div class="box">
                <label>Party count</label>
                <asp:TextBox ID="TBpartycount"
                type="number" value="1" runat="server"></asp:TextBox>
            </div>

```

```

        </div>
                <div class="cldcontainer">
                    <asp:Calendar ID="Calendar1"
runat="server" BackColor="White" BorderColor="White" BorderWidth="1px"
Font-Names="Verdana" Font-Size="9pt" ForeColor="Black" Height="150px"
NextPrevFormat="FullMonth" Width="350px"
OnDayRender="Calendar1_DayRender">
                        <DayHeaderStyle Font-Bold="True" Font-
Size="8pt" />
                        <NextPrevStyle Font-Bold="True" Font-
Size="8pt" ForeColor="#333333" VerticalAlign="Bottom" />
                        <OtherMonthDayStyle
ForeColor="#999999" />
                        <SelectedDayStyle BackColor="#333399"
ForeColor="White" />
                        <TitleStyle BackColor="White"
BorderColor="Orange" BorderWidth="2px" Font-Bold="True" Font-
Size="12pt" ForeColor="Orange" />
                        <TodayDayStyle BackColor="Yellow" />
                    </asp:Calendar>
                </div>
                <div class="form-row">
                    <div class="dtrowtxt">
                        <p>Choose Time</p>
                    </div>
                    <div class="dtrow">
                        <asp:Label ID="Label3" CssClass="fromtxt"
runat="server" Text="From"></asp:Label>
                        <asp:DropDownList ID="DDLstarttime"
CssClass="select" runat="server">

<asp:ListItem>10:00am</asp:ListItem>
                        <asp:ListItem>10:30 AM</asp:ListItem>
                        <asp:ListItem>11:00 AM</asp:ListItem>
                        <asp:ListItem>11:30 AM</asp:ListItem>
                        <asp:ListItem>12:00 PM</asp:ListItem>
                        <asp:ListItem>12:30 PM</asp:ListItem>
                        <asp:ListItem>1:00 PM</asp:ListItem>
                        <asp:ListItem>1:30 PM</asp:ListItem>
                        <asp:ListItem>2:00 PM</asp:ListItem>
                        <asp:ListItem>2:30 PM</asp:ListItem>
                        <asp:ListItem>3:00 PM</asp:ListItem>
                    </asp:DropDownList>
                </div>
            </div>
        </div>
    
```

```

<asp:Label ID="Label4" CssClass="totxt" runat="server"
Text="To"></asp:Label>
                                <asp:DropDownList ID="DDLendtime"
CssClass="select" runat="server">
                                <asp:ListItem>10:30 AM</asp:ListItem>
                                <asp:ListItem>11:00 AM</asp:ListItem>
                                <asp:ListItem>11:30 AM</asp:ListItem>
                                <asp:ListItem>12:00 PM</asp:ListItem>
                                <asp:ListItem>12:30 PM</asp:ListItem>
                                <asp:ListItem>1:00 PM</asp:ListItem>
                                <asp:ListItem>1:30 PM</asp:ListItem>
                                <asp:ListItem>2:00 PM</asp:ListItem>
                                <asp:ListItem>2:30 PM</asp:ListItem>
                                <asp:ListItem>3:00 PM</asp:ListItem>
                                <asp:ListItem>3:30 PM</asp:ListItem>
                                </asp:DropDownList>

</div>                                </div>
                                <div class="form-row5">
                                    <asp:Button ID="Btncheck"
CssClass="btncheck" OnClick="Btncheck_click" runat="server"
Text="Check Availability" />
                                    </div>
                                    <div class="booktxt">
                                        <asp:Label ID="lblchecktxt" runat="server"
Text="Tables Will be Available Here"></asp:Label>
                                    </div>
                                    <asp:RadioButtonList ID="RadioButtonList1"
CssClass="radiocontainer" RepeatDirection="Horizontal"
RepeatColumns="3" runat="server" Visible="False">
                                        <asp:ListItem>T1 [4P]</asp:ListItem>
                                        <asp:ListItem>T2 [4P]</asp:ListItem>
                                        <asp:ListItem>T3 [4P]</asp:ListItem>
                                        <asp:ListItem>T4 [6P]</asp:ListItem>
                                        <asp:ListItem>T5 [6P]</asp:ListItem>
                                        <asp:ListItem>T6 [6P]</asp:ListItem>
                                    </asp:RadioButtonList>
                                    <asp:RequiredFieldValidator
ID="RequiredFieldValidator3" runat="server">

```

```

ControlToValidate="RadioButtonList1" ForeColor="Red"
ErrorMessage="Select A Table"
ValidationGroup="bktbvd">></asp:RequiredFieldValidator>
                <div class="form-row4">
                    <asp:Button ID="Btnbook" type="submit"
OnClick="Btnbook_click" runat="server" Text="BOOK TABLE"
ValidationGroup="bktbvd" Visible="false" />
                </div>
            </div>
        </div>
    </section>
    <asp:ScriptManager ID="ScriptManager1"
runat="server"></asp:ScriptManager>
    <asp:Panel ID="Panel2" CssClass="modalpopup"
runat="server">
        <asp:Label ID="Lhid" runat="server"
Text=""></asp:Label>
        <div class="popcontainer1">
            <asp:Label ID="Label5" runat="server"
Text=""></asp:Label>
        </div>
        <div class="popcontainer2">
            <asp:Button ID="popbuttoncancel" CssClass="okbtn"
runat="server" Text="OK" />
        </div>
    </asp:Panel>
    <ajaxToolkit:ModalPopupExtender ID="ModalPopupExtender1"
BackgroundCssClass="modalBackground" runat="server"
CancelControlID="popbuttoncancel" TargetControlID="Lhid"
PopupControlID="Panel2">
    </ajaxToolkit:ModalPopupExtender>

<div class="copyrighttext">
    <p>Copyright @ 2021 Online Restaurant system. All
Rights Reserved</p>
</div>
</div>
</form>
<script src="https://code.jquery.com/jquery-3.5.1.js"></script>
<script src="jquery.nice-number.js"></script>
<script type="text/javascript">

```

```

$(function () {
    $('input[type="number"]').niceNumber();

});

</script>
</body>
</html>

```

### **.cs file**

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
using System.Net;
using System.Net.Mail;

namespace WebApplication1
{
    public partial class WebForm3 : System.Web.UI.Page
    {
        String CS =
ConfigurationManager.ConnectionStrings["RestaurantDBConnectionString"]
.ConnectionString;
        static Int32 bookingid;
        static string startdate;
        static string enddate;
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                Calendar1.SelectedDate = DateTime.Now.Date;
            }
        }
    }
}

```

```

protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
{
    if (e.Day.Date.CompareTo(DateTime.Today) < 0)
    {
        e.Day.IsSelectable = false;
    }
}
protected void Btncheck_click(object sender, EventArgs e)
{
    if (Session["NewUserName"] == null)
    {
        Response.Redirect("LoginForm_page.aspx");
    }
    else
    {
        if (Page.IsValid)
        {
            startdate = Calendar1.SelectedDate.Year + "-" +
Calendar1.SelectedDate.Month + "-" + Calendar1.SelectedDate.Day + " "
+ DDLstarttime.Text;
            enddate = Calendar1.SelectedDate.Year + "-" +
Calendar1.SelectedDate.Month + "-" + Calendar1.SelectedDate.Day + " "
+ DDLeendtime.Text;
            findavailabletable();
            RadioButtonList1.Visible = true;
            Btnbook.Visible = true;
        }
    }
}
private void findavailabletable()
{
    SqlConnection con = new SqlConnection(CS);
    string myquery = "select DISTINCT TableNo from
TableReservation where ((dtstart between '" + startdate + "' and '" +
enddate + "') or (dtend between '" + startdate + "'and'" + enddate +
"' )) ";
    SqlCommand cmd = new SqlCommand();
    cmd.CommandText = myquery;
    cmd.Connection = con;
    SqlDataAdapter da = new SqlDataAdapter();
    da.SelectCommand = cmd;
}

```

```

DataSet ds = new DataSet();
da.Fill(ds);
if (ds.Tables[0].Rows.Count > 0)
{
    lblchecktxt.Text = "Available Tables Are Given Below";
    foreach (DataRow dr in ds.Tables[0].Rows)
    {

RadioButtonList1.Items.Remove(RadioButtonList1.Items.FindByValue(dr["TableNo"].ToString()));
    }
    if (RadioButtonList1.Items.Count == 0)
    {
        lblchecktxt.Text = "No tables available";
    }
}
else
{
    lblchecktxt.Text = "Available Tables Are Given Below";
}

con.Close();

}

private void generatebookingid()
{
    SqlConnection scon = new SqlConnection(CS);
    string myquery = "select BookingID from TableReservation";
    SqlCommand cmd = new SqlCommand();
    cmd.CommandText = myquery;
    cmd.Connection = scon;
    SqlDataAdapter da = new SqlDataAdapter();
    da.SelectCommand = cmd;
    cmd.Connection = scon;
    DataSet ds = new DataSet();
    da.Fill(ds);
    scon.Close();
    if (ds.Tables[0].Rows.Count < 1)
    {
        bookingid = 50001;
    }
}

```

```

else
{
    SqlConnection scon1 = new SqlConnection(CS);
    string query1 = "select max(BookingID) from
TableReservation";
    SqlCommand cmd1 = new SqlCommand();
    cmd1.CommandText = query1;
    cmd1.Connection = scon1;
    SqlDataAdapter da1 = new SqlDataAdapter();
    da1.SelectCommand = cmd1;
    DataSet ds1 = new DataSet();
    da1.Fill(ds1);
    bookingid =
Convert.ToInt32(ds1.Tables[0].Rows[0][0].ToString());
    bookingid = bookingid + 1;

}
protected void Btnbook_click(object sender, EventArgs e)
{
    if (Page.IsValid)
    {
        generatebookingid();
        SqlConnection s = new SqlConnection(CS);
        s.Open();
        string updatepass = "insert into
TableReservation(BookingID,TableNo,CustomerName,PartyCount,Email,dtsta
rt,dtend)
values(@bookid,@tbno,@cname,@pcount,@email,@dtstart,@dtend)";
        SqlCommand cmd1 = new SqlCommand(updatepass, s);
        cmd1.Parameters.AddWithValue("@bookid", bookingid);
        cmd1.Parameters.AddWithValue("@tbno",
RadioButtonList1.SelectedItem.Text);
        cmd1.Parameters.AddWithValue("@cname",
TBfullname.Text);
        cmd1.Parameters.AddWithValue("@pcount",
TБpartycount.Text);
        cmd1.Parameters.AddWithValue("@email", TBemail.Text);
        cmd1.Parameters.AddWithValue("@dtstart", startdate);
        cmd1.Parameters.AddWithValue("@dtend", enddate);
        cmd1.ExecuteNonQuery();
        ModalPopupExtender1.Show();
    }
}

```

```

Label5.Text = "Table ID: " + bookingid + " Table Number: " +
RadioButtonList1.SelectedItem.Text + " has been booked. Please check
Your Email";

        SmtpClient smtp = new SmtpClient();
        smtp.Host = "smtp.gmail.com";
        smtp.Port = 587;
        smtp.UseDefaultCredentials = false;
        smtp.Credentials = new
System.Net.NetworkCredential("youremail@gmail.com", "password#000");
        smtp.EnableSsl = true;
        MailMessage msg = new MailMessage();
        msg.Subject = "Table Reservation";
        msg.Body = "Table ID: " + bookingid + " Table Number:
" + RadioButtonList1.SelectedItem.Text + " has been booked from " +
startdate + " to " + enddate;
        string toaddress = TBemail.Text;
        msg.To.Add(toaddress);
        string fromaddress = "Restaurant System
<hrishabhgawad888@gmail.com>";
        msg.From = new MailAddress(fromaddress);
        try
        {
            smtp.Send(msg);

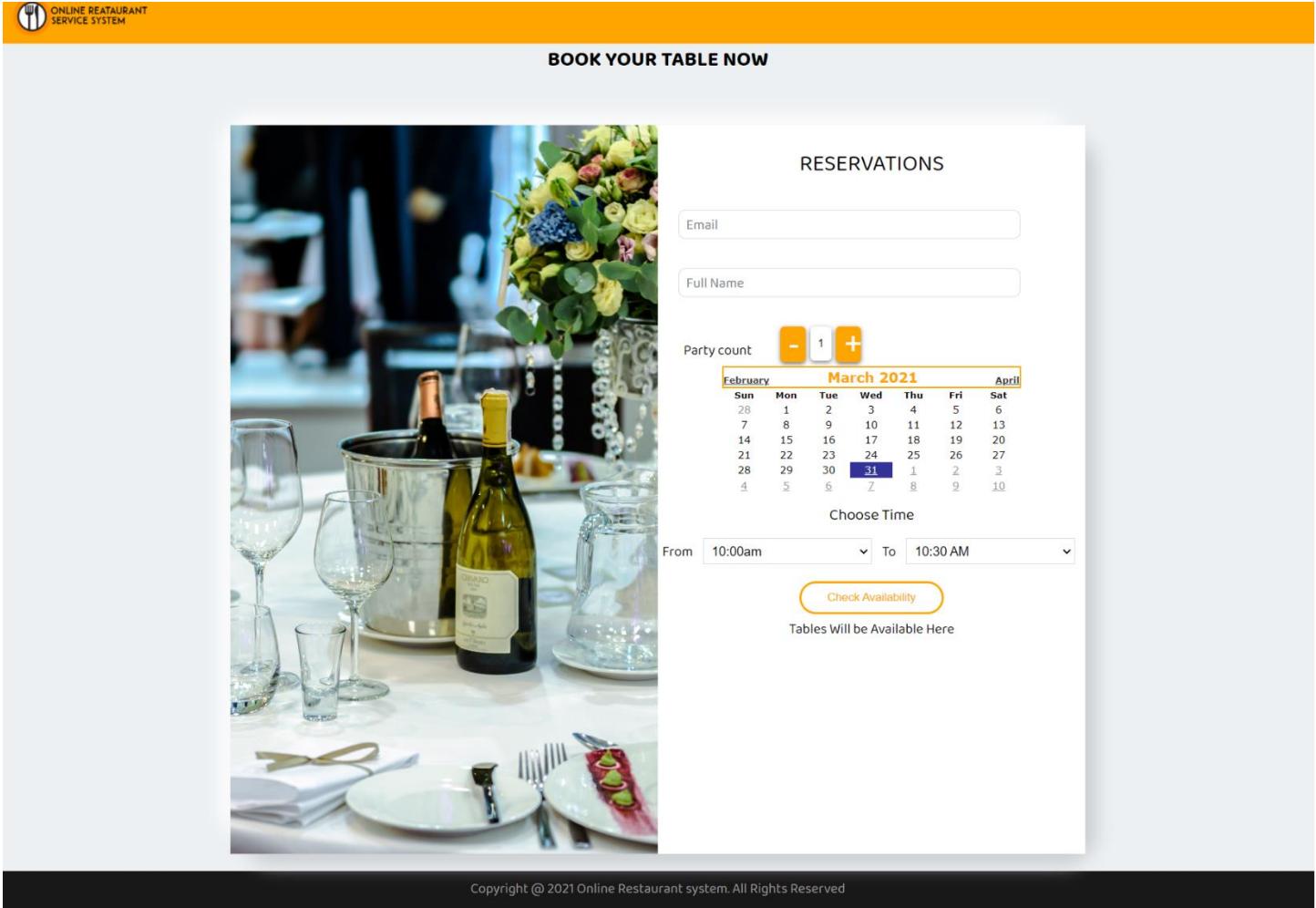
        }
        catch
        {
            throw;
        }

        s.Close();
    }

}
}
}

```

## Screenshot:-



The screenshot shows a web-based reservation system for a restaurant. At the top left is the logo 'ONLINE RESTAURANT SERVICE SYSTEM'. Below it is a yellow header bar with the text 'BOOK YOUR TABLE NOW' in bold black letters. The main content area features a large, blurred photograph of a restaurant table set for a meal, with a bottle of wine, glasses, and a floral arrangement in the background. To the right of the photo is a white form titled 'RESERVATIONS'. It includes fields for 'Email' and 'Full Name', both enclosed in light gray boxes. Below these is a 'Party count' section with a numeric input field containing '1' and buttons for decreasing ('-') and increasing ('+') the count. Underneath is a calendar for March 2021, showing days from 28 to 31. The date '31' is highlighted in blue. The calendar is flanked by 'February' and 'April' headers. Below the calendar is a 'Choose Time' section with dropdown menus for 'From' (set to '10:00am') and 'To' (set to '10:30 AM'). A yellow button labeled 'Check Availability' is positioned below the time selection. A small note at the bottom right of the form says 'Tables Will be Available Here'. At the very bottom of the page is a dark footer bar with the copyright notice 'Copyright @ 2021 Online Restaurant system. All Rights Reserved'.

## About Us Page: -

.aspx file

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>About Us</title>
    <link href="AboutUsPage.css" rel="stylesheet" />
    <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/4.1.1/animate.min.css" />
    <link rel="preconnect" href="https://fonts.gstatic.com"/>
```

```

<link
href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@400;700&display=swap" rel="stylesheet"/>
    <script src="https://kit.fontawesome.com/ddd514325e.js"
crossorigin="anonymous"></script>
</head>
<body>
    <form id="form1" runat="server">
        <div runat="server">

            <div class="pagetitle" style="background: orange;">
                <a href="HomePage.aspx">
                    </a>
                </div>
                <br />
<h1 class="m11" style="display:flex; align-items:center; justify-content:center">
    <span class="text-wrapper2">
        <span class="line line1"></span>
        <span class="letters2" style="color:orange;">OUR STORY</span>
        <span class="line line2"></span>
    </span>
</h1>          <br />
        <div class="text">
            <p class="animate__animated animate__fadeInRight">Since our modest beginnings in 2005 with a little space in Toronto's stylish Yorkville locale,
                'Online Restaurant Service System' 's development has been enlivened with the energy to cook and serve solid,
```

Indian-roused takeout food. In contrast to other Indian eateries, 'Organization Name' was made with the explicit expectation to appear as something else.</p><br />

```

            <div class="image-container">
                
            </div>
        </div>
<section>
    <br />
```

```
<h1 class="m16" style="display:flex; align-items:center; justify-content:center">
    <span class="text-wrapper">
        <span class="letters">OUR TEAM SECTION</span>
    </span>
</h1>    <br />    <br />
<div class="container">
    <div class="our-team">
        <div class="picture">
            
        </div>
        <div class="team-content">
            <h3 class="name">Michele Miller</h3>
            <h4 class="title">Restuarnt Owner</h4>
        </div>
        <ul class="social">
            <li><a href="#" class="fa fa-facebook" ></a></li>
            <li><a href="#" class="fa fa-twitter" ></a></li>
            <li><a href="#" class="fa fa-google-plus"></a></li>
            <li><a href="#" class="fa fa-linkedin"></a></li>
        </ul>
    </div>
    <div class="our-team">
        <div class="picture">
            
        </div>
        <div class="team-content">
            <h3 class="name">Patricia Knott</h3>
            <h4 class="title">Restaurant Manager</h4>
        </div>
        <ul class="social">
            <li><a href="#" class="fa fa-facebook" ></a></li>
            <li><a href="#" class="fa fa-twitter" ></a></li>
            <li><a href="#" class="fa fa-google-plus"></a></li>
            <li><a href="#" class="fa fa-linkedin"></a></li>
        </ul>
    </div>
    <div class="our-team">
        <div class="picture">
            

```

```

</div>
    <div class="team-content">
        <h3 class="name">Justin Ramos</h3>
        <h4 class="title">Head Chef</h4>
    </div>
    <ul class="social">
        <li><a href="#" class="fa fa-facebook" ></a></li>
        <li><a href="#" class="fa fa-twitter" ></a></li>
        <li><a href="#" class="fa fa-google-plus" ></a></li>
        <li><a href="#" class="fa fa-linkedin" ></a></li>
    </ul>
</div>
<div class="our-team">
    <div class="picture">
        
    </div>
    <div class="team-content">
        <h3 class="name">Mary Huntley</h3>
        <h4 class="title">Assistant Head Chef</h4>
    </div>
    <ul class="social">
        <li><a href="#" class="fa fa-facebook" ></a></li>
        <li><a href="#" class="fa fa-twitter" ></a></li>
        <li><a href="#" class="fa fa-google-plus" ></a></li>
        <li><a href="#" class="fa fa-linkedin" ></a></li>
    </ul>
</div>
</div>
<br />
</section>
<section class="footsect">
<footer>

    <div class="footer-container">
        <div class="sec aboutus">
            <h2>About Us</h2>
            <p>Since our modest beginnings in 2005 with a little space in Toronto's stylish Yorkville locale, 'Organization Name' 's development has been enlivened with the energy to cook and serve solid,

```



```

<p>Copyright © 2021 Online Restaurant system. All rights reserved.</p>
</div>      </div>
    </form>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/animejs/2.0.2/anime.min.js
"></script>
    <script type="text/javascript">
        var textWrapper = document.querySelector('.ml6 .letters');
        textWrapper.innerHTML = textWrapper.textContent.replace(/\S/g,
"<span class='letter'>$&</span>");

anime.timeline({ loop: true })
    .add({
        targets: '.ml6 .letter',
        translateY: ["1.1em", 0],
        translateZ: 0,
        duration: 750,
        delay: (el, i) => 50 * i
    }).add({
        targets: '.ml6',
        opacity: 0,
        duration: 1000,
        easing: "easeOutExpo",
        delay: 1000
    });
        var textWrapper = document.querySelector('.ml1 .letters2');
        textWrapper.innerHTML = textWrapper.textContent.replace(/\S/g,
"<span class='letter2'>$&</span>");

        anime.timeline({ loop: true })
            .add({
                targets: '.ml1 .letter2',
                scale: [0.3, 1],


                    opacity: [0, 1],
                    translateZ: 0,
                    easing: "easeOutExpo",
                    duration: 600,
                    delay: (el, i) => 70 * (i + 1)
            }).add({
                targets: '.ml1 .line',
                scaleX: [0, 1],

```

```
        opacity: [0.5, 1],
        easing: "easeOutExpo",
        duration: 700,
        offset: '-=875',
        delay: (el, i, l) => 80 * (l - i)
    }).add({
        targets: '.m11',
        opacity: 0,
        duration: 1000,
        easing: "easeOutExpo",
        delay: 1000
    });
</script>
</body>
</html>
```

## ScreenShot: -

 ONLINE RESTAURANT  
SERVICE SYSTEM

## OUR STORY

Since our modest beginnings in 2005 with a little space in Toronto's stylish Yorkville locale, 'Online Restaurant Service System's development has been enlivened with the energy to cook and serve solid, Indian-roused takeout food. In contrast to other Indian eateries, 'Organization Name' was made with the explicit expectation to appear as something else.



## OUR TEAM SECTION



Michele Miller  
Restauranrt Owner



Patricia Knott  
Restaurant Manager



Justin Ramos  
Head Chef



Mary Huntley  
Assistant Head Chef

### About Us

Since our modest beginnings in 2005 with a little space in Toronto's stylish Yorkville locale, Organization Name's development has been enlivened with the energy to cook and serve solid, Indian-roused takeout food. In contrast to other Indian eateries

### Quick Links

[About Us](#)  
[FAQ](#)  
[Contact](#)

### Contact Info

 887 Dragon street  
Azami Kingdom, AZ 43554  
 +1 234 567 8900  
+1 234 567 8900  
 Restaurant@gmail.com

Copyright @ 2021 Online Restaurant system. All Rights Reserved

Online Restaurant Service System

Page | 125

## Contact Us Page:-

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Contact Us</title>
    <link href="ContactUsPage.css" rel="stylesheet" />
    <link rel="preconnect" href="https://fonts.gstatic.com" />
    <link
        href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@400;700&display=swap" rel="stylesheet" />
    <script src="https://kit.fontawesome.com/ddd514325e.js"
        crossorigin="anonymous"></script>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <div class="pagetitle" style="background: orange;">
                <a href="HomePage.aspx">
                    <img class="logoclass" style="height: 50px;">
                </a>
            </div>
            <section class="contact">
                <div class="content">
                    <h2>Contact Us</h2>
                    <p>Online Restaurant Service System</p>
                </div>
                <div class="container">
                    <div class="contactinfo">
                        <div class="box">
                            <div class="icon"><i class="fas fa-map-marked-alt"></i></div>
                            <div class="text">
                                <h3>Address</h3>
                                <p>
                                    889 Dragon city Road
                                    <br />
                                    Azami Kingdom ,Friore<br />
                                    900079
                                </p>
                            </div>
                        </div>
                    </div>
                </div>
            </section>
        </div>
    </form>
</body>
```

```

        </div>
    </div>
    <div class="box">
        <div class="icon"><i class="fas fa-phone-alt"></i></div>
            <div class="text">
                <h3>Phone</h3>
                <p>456546-567-56567 </p>
            </div>
        </div>
        <div class="box">
            <div class="icon"><i class="fas fa-envelope-open-text"></i></div>
                <div class="text">
                    <h3>E-Mail</h3>
                    <p>Restaurant@gmail.com </p>
                </div>
            </div>
        </div>
        <div class="contactform">
            <h2>Send Message</h2>
            <div class="inputbox">
                <asp:TextBox ID="TextBox1"
CssClass="input" name=" " runat="server"></asp:TextBox>
                <span>Full Name</span><br />
                <asp:RequiredFieldValidator
ID="RequiredFieldValidator1" runat="server" ErrorMessage="please enter
fullname" ForeColor="Red"
ControlToValidate="TextBox1"></asp:RequiredFieldValidator>
            </div>
            <div class="inputbox">
                <asp:TextBox ID="TextBox2"
CssClass="input" name=" " runat="server"></asp:TextBox>
                <span>Email Address</span><br />
                <asp:RequiredFieldValidator
ID="RequiredFieldValidator2" runat="server" ErrorMessage="Please enter
your e-mail" ForeColor="Red"
ControlToValidate="TextBox2"></asp:RequiredFieldValidator>
                <asp:RegularExpressionValidator
ID="RegularExpressionValidator1" runat="server" ErrorMessage="Invalid
E-mail" ForeColor="Red" ValidationExpression="\w+([-_.']\w+)*@\w+([-_

```

Online Restaurant Service System

```

.]\w+)*\.\\w+([-.\]\\w+)*"
ControlToValidate="TextBox2">></asp:RegularExpressionValidator>
    </div>
    <div class="inputbox">
        <asp:TextBox ID="TextBox3"
CssClass="input" name="" runat="server"></asp:TextBox>
            <span>Mobile Number</span><br />
            <asp:RequiredFieldValidator
ID="RequiredFieldValidator3" runat="server" ErrorMessage="enter your
phone no" ForeColor="Red"
ControlToValidate="TextBox3">></asp:RequiredFieldValidator>
            <asp:RegularExpressionValidator
ID="RegularExpressionValidator2" runat="server" ErrorMessage=" enter
Valid phone number" ValidationExpression="[0-9]{10}" ForeColor="Red"
ControlToValidate="TextBox3">></asp:RegularExpressionValidator>
    </div>
    <div class="inputbox">
        <asp:TextBox ID="TextBox4"
CssClass="textarea" name="" TextMode="MultiLine"
runat="server"></asp:TextBox>
            <span>Write your message here
.....</span><br />
            <asp:RequiredFieldValidator
ID="RequiredFieldValidator4" runat="server" ErrorMessage="Please enter
your message" ForeColor="Red" ControlToValidate="TextBox4"
></asp:RequiredFieldValidator>
    </div>
    <div class="inputbox">
        <asp:Button ID="Button1" runat="server"
Text="Send" OnClick="Button1_Click" />
    </div>
</div>
</div>
</section>
<div class="copyrighttext">
    <p>Copyright @ 2021 Online Restaurant system. All
Rights Reserved</p>
</div>
</div>
</form>
</body>
</html>

```

## Screenshot :-

The screenshot shows the 'Contact Us' page of the 'Online Restaurant Service System'. The page has a yellow header bar with the system's logo and name. The main content area is divided into two sections: a blue sidebar on the left and a yellow main area on the right.

**Left Sidebar (Blue Area):**

- Address:** 889 Dragon city Road, Azami Kingdom, Friore, 900079
- Phone:** 456546-567-56567
- E-Mail:** Restaurant@gmail.com

**Main Area (Yellow Area):**

### Contact Us

Online Restaurant Service System

**Send Message**

Full Name

Email Address

Mobile Number

Write your message here.....

**Send**

Copyright @ 2021 Online Restaurant system. All Rights Reserved

## FAQ Page :-

**.aspx file**

```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <meta charset="UTF-8"/>
    <meta name="viewport" content="width=device-width, initial-scale=1.0"/>

    <title>FAQ</title>
    <link href="FAQ-Accordion.css" rel="stylesheet" />
    <link rel="preconnect" href="https://fonts.gstatic.com"/>
    <link
        href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@400;700&display=swap" rel="stylesheet"/>
    Online Restaurant Service System
```

```

<script src="https://kit.fontawesome.com/ddd514325e.js"
crossorigin="anonymous"></script>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <section>
                <div class="container">

                    <div class="accordion">
                        <div class="title-text"> <h1>Frequently Asked
Questions</h1></div>
                        <div class="accordion-item" id="question1">
                            <a class="accordion-link"
href="#question1">
                                How Do I cancel Booking?
                                <i class="fas fa-plus"></i>
                                <i class="fas fa-minus"></i>
                            </a>
                            <div class="answer">
                                <p>You can cancel your reservation
through website or calling +912342356780.</p>
                            </div>
                        </div>
                        <div class="accordion-item" id="question2">
                            <a class="accordion-link"
href="#question2">
                                Will I get the table if I simply walk in?
                                <i class="fas fa-plus"></i>
                                <i class="fas fa-minus"></i>
                            </a>
                            <div class="answer">
                                <p> You will get a table subject to availability. However,
it is advisable to reserve your table in advance.</p>
                            </div>
                        </div>
                        <div class="accordion-item" id="question3">
                            <a class="accordion-link"
href="#question3">
                                Do you have a food delivery service?
                                <i class="fas fa-plus"></i>
                                <i class="fas fa-minus"></i>

```

```

        </a>                                <div class="answer">
                                         <p> our exclusive food delivery service
is available through various online aggregators</p>
                                         </div>
        </div>

                                         <div class="accordion-item" id="question4">
                                         <a class="accordion-link"
href="#question4">
                                         What are the time slots available?
                                         <i class="fas fa-plus"></i>
                                         <i class="fas fa-minus"></i>
                                         </a>
                                         <div class="answer">
                                         <p> Lunch & Dinner sessions are
available in two slots each subject to the restaurant
availability.</p>
                                         </div>
                                         </div>

                                         <div class="accordion-item" id="question5">
                                         <a class="accordion-link"
href="#question5">
                                         Do you have gift vouchers/meal coupons?
                                         <i class="fas fa-plus"></i>
                                         <i class="fas fa-minus"></i>
                                         </a>
                                         <div class="answer">
                                         <p> Gift vouchers are available in our
website</p>
                                         </div>
                                         </div>
                                         </div>
                                         </div>
                                         </section>
        </div>
    </form>
</body>
</html>

```

## Screenshot :-

The screenshot shows a yellow-themed Frequently Asked Questions (FAQ) section. It contains five questions, each with a red plus sign (+) icon on the right side, indicating they can be expanded to reveal more information. The questions are:

- How Do I cancel Booking?
- Will I get the table if I simply walk in?  
You will get a table subject to availability. However, it is advisable to reserve your table in advance.
- Do you have a food delivery service?
- What are the time slots available?
- Do you have gift vouchers/meal coupons?

## Admin Homepage :-

### .aspx file

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Admin/admin.Master"
AutoEventWireup="true" CodeBehind="AdminHomepage.aspx.cs"
Inherits="WebApplication1.Admin.AdminHomepage" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
    <link rel="preconnect" href="https://fonts.gstatic.com" />
    <link
        href="https://fonts.googleapis.com/css2?family=Baloo+Chettan+2:wght@400;700&display=swap" rel="stylesheet" />
    <script src="https://kit.fontawesome.com/ddd514325e.js"
crossorigin="anonymous"></script>
    <style type="text/css" media="screen">
        body{
            font-family: 'Baloo Chettan 2', cursive;
            background:#DCDCDC;
        }
        .row1{
            display:flex;
            align-items:center;
            justify-content:center;
            padding:10px;
        }
        .container{
            height:200px;
            width:200px;
            background:orange;
            border-radius:40px;
            display:flex;
            align-items:center;
            justify-content:center;
            flex-direction:column;
            margin:30px;
        }
        .far.fa-calendar-minus,
        .fas.fa-truck-pickup,
        .fas.fa-luggage-cart,
        .far.fa-list-alt,
        .fas.fa-users,
```

```

    .far.fa-comments,
    .fas.fa-utensils{
        font-size:100px;
        color:#000;
        margin:20px;
    }
    .pagelink{
        font-size:20px;
        font-weight:700;
        text-decoration:none;
        color:#fff;
    }

```

</style>

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

<div class="row1">

<div class="container">

<i class="far fa-calendar-minus"></i>

<asp:HyperLink ID="HyperLink1" CssClass="pagelink" NavigateUrl="~/Admin/ViewReservation.aspx" runat="server">RESERVATIONS</asp:HyperLink>

</div>

<div class="container">

<i class="fas fa-utensils"></i>

<asp:HyperLink ID="HyperLink2" CssClass="pagelink" NavigateUrl="~/Admin/ViewMenuItem.aspx" runat="server">FOOD MENU</asp:HyperLink>

</div>

<div class="container">

<i class="fas fa-luggage-cart"></i>

<asp:HyperLink ID="HyperLink3" CssClass="pagelink" NavigateUrl="~/Admin/ViewStock.aspx" runat="server">INVENTORY</asp:HyperLink>

</div>

<div class="container">

<i class="far fa-list-alt"></i>

<asp:HyperLink ID="HyperLink4" CssClass="pagelink" NavigateUrl="~/Admin/OrderDetails.aspx" runat="server">ORDERS</asp:HyperLink>

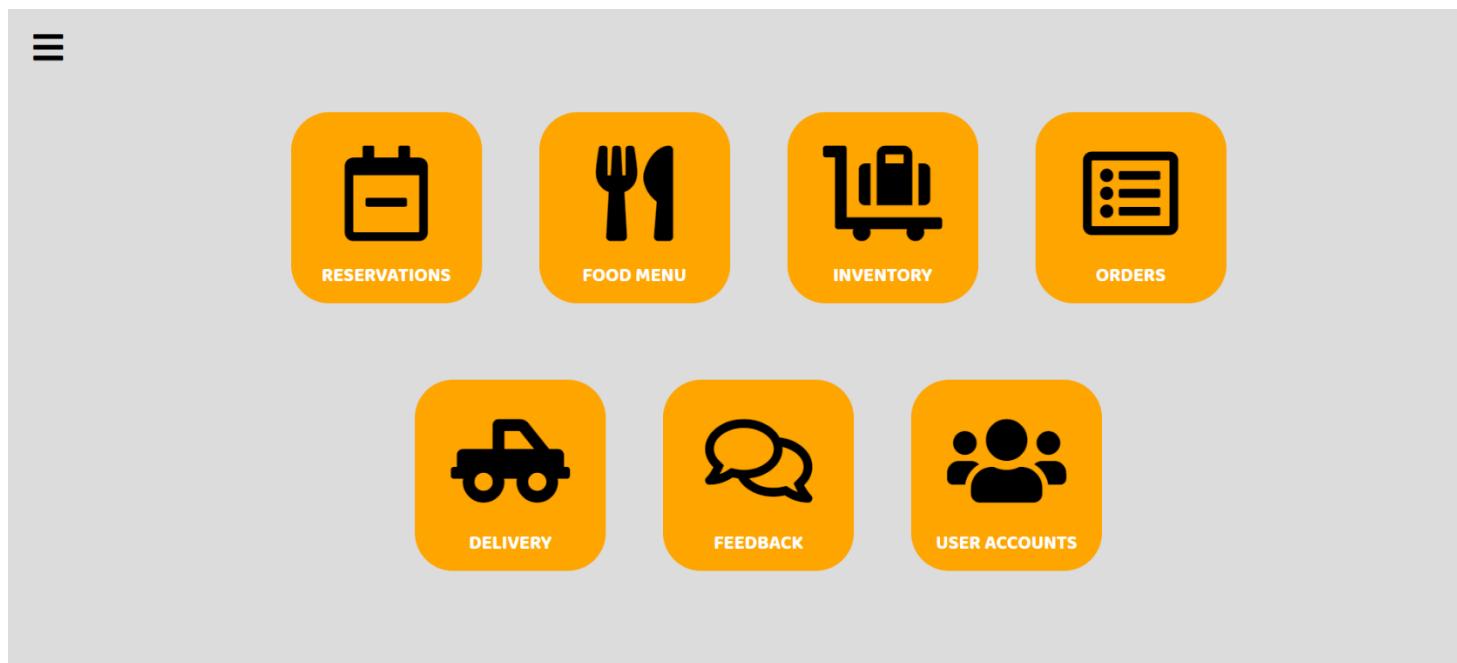
</div>

```

</div>
<div class="row1">
    <div class="container">
        <i class="fas fa-truck-pickup"></i>
        <asp:HyperLink ID="HyperLink5" CssClass="pagelink"
NavigateUrl "~/Admin/DeliveryOrders.aspx"
runat="server">DELIVERY</asp:HyperLink>
    </div>
    <div class="container">
        <i class="far fa-comments"></i>
        <asp:HyperLink ID="HyperLink6" CssClass="pagelink"
NavigateUrl "~/Admin/ViewFeedback.aspx"
runat="server">FEEDBACK</asp:HyperLink>
    </div>
    <div class="container">
        <i class="fas fa-users"></i>
        <asp:HyperLink ID="HyperLink7" CssClass="pagelink"
NavigateUrl "~/Admin/ViewUserAccounts.aspx" runat="server">USER
ACCOUNTS</asp:HyperLink>
    </div>
</div>
</asp:Content>

```

## Screenshot :-



## View reservations:-

### .aspx file

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Admin/admin.Master"
AutoEventWireup="true" CodeBehind="ViewReservation.aspx.cs"
Inherits="WebApplication1.Admin.reserveee" %>

<asp:Content ID="Content1" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap
.min.css" />

    <script src="https://kit.fontawesome.com/ddd514325e.js"
crossorigin="anonymous"></script>

    <h2>Reservation can be seen here</h2>

    <asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString=<%$ ConnectionStrings:RestaurantDBConnectionString
%>" DeleteCommand="DELETE FROM [TableReservation] WHERE [BookingID] =
@BookingID" InsertCommand="INSERT INTO [TableReservation]
([BookingID], [TableNo], [CustomerName], [PartyCount], [Email],
[dtstart], [dtend]) VALUES (@BookingID, @TableNo, @CustomerName,
@PartyCount, @Email, @dtstart, @dtend)" SelectCommand="SELECT * FROM
[TableReservation]" UpdateCommand="UPDATE [TableReservation] SET
[TableNo] = @TableNo, [CustomerName] = @CustomerName, [PartyCount] =
@PartyCount, [Email] = @Email, [dtstart] = @dtstart, [dtend] = @dtend
WHERE [BookingID] = @BookingID">

        <DeleteParameters>
            <asp:Parameter Name="BookingID" Type="Int32" />
        </DeleteParameters>
        <InsertParameters>
            <asp:Parameter Name="BookingID" Type="Int32" />
            <asp:Parameter Name="TableNo" Type="String" />
            <asp:Parameter Name="CustomerName" Type="String" />
            <asp:Parameter Name="PartyCount" Type="Int32" />
            <asp:Parameter Name="Email" Type="String" />
        </InsertParameters>
    </asp:SqlDataSource1>
</asp:Content>
```

```

<asp:Parameter Name="dtstart" Type="DateTime" />
<asp:Parameter Name="dtend" Type="DateTime" />
</InsertParameters>
<UpdateParameters>
<asp:Parameter Name="TableNo" Type="String" />
<asp:Parameter Name="CustomerName" Type="String" />
<asp:Parameter Name="PartyCount" Type="Int32" />
<asp:Parameter Name="Email" Type="String" />
<asp:Parameter Name="dtstart" Type="DateTime" />
<asp:Parameter Name="dtend" Type="DateTime" />
<asp:Parameter Name="BookingID" Type="Int32" />
</UpdateParameters>
</asp:SqlDataSource>
<div style="text-align: center">
<asp:GridView ID="GridView1" runat="server" CssClass="table
table-hover table-responsive" AutoGenerateColumns="False"
DataKeyNames="BookingID" DataSourceID="SqlDataSource1"
ShowFooter="True" HorizontalAlign="Center" HeaderStyle-
HorizontalAlign="Center">
<Columns>
<asp:CommandField ShowDeleteButton="True"
ShowEditButton="True" />
<asp:TemplateField>
<FooterTemplate>
<asp:LinkButton ID="Lbinsert"
ValidationGroup="insertdata" OnClick="Lbinsert_click"
runat="server">Insert</asp:LinkButton>
</FooterTemplate>
</asp:TemplateField>
<asp:TemplateField HeaderText="BookingID"
SortExpression="BookingID">

```

Online Restaurant Service System

```

<EditItemTemplate> <asp:Label ID="Label1" runat="server" Text='<%# Eval("BookingID") %>'></asp:Label>
    </EditItemTemplate>
    <ItemTemplate>
        <asp:Label ID="Label1" runat="server" Text='<%# Bind("BookingID") %>'></asp:Label>
    </ItemTemplate>
    <FooterTemplate>
        <asp:TextBox ID="txtbookid" runat="server"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator10" runat="server" ErrorMessage="booking ID is required" ControlToValidate="txtbookid" Text="*" ForeColor="Red" ValidationGroup="insertdata"></asp:RequiredFieldValidator>
    </FooterTemplate>
</asp:TemplateField>
<asp:TemplateField HeaderText="TableNo" SortExpression="TableNo">
    <EditItemTemplate>
        <asp:TextBox ID="TextBox1" runat="server" Text='<%# Bind("TableNo") %>'></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ErrorMessage="Table No. is required" ControlToValidate="TextBox1" Text="*" ForeColor="Red"></asp:RequiredFieldValidator>
    </EditItemTemplate>
    <ItemTemplate>
        <asp:Label ID="Label2" runat="server" Text='<%# Bind("TableNo") %>'></asp:Label>
    </ItemTemplate>
    <FooterTemplate>

```

```

<asp:TextBox ID="txttblno" runat="server"></asp:TextBox>

    <asp:RequiredFieldValidator ID="RequiredFieldValidator1"
runat="server" ErrorMessage="Table No. is required"
ControlToValidate="txttblno" Text="*" ForeColor="Red"
ValidationGroup="insertdata"></asp:RequiredFieldValidator>
        </FooterTemplate>
    </asp:TemplateField>
        <asp:TemplateField HeaderText="CustomerName"
SortExpression="CustomerName">
            <EditItemTemplate>
                <asp:TextBox ID="TextBox2" runat="server"
Text='<%# Bind("CustomerName") %>'></asp:TextBox>
                <asp:RequiredFieldValidator
ID="RequiredFieldValidator2" runat="server" ErrorMessage="Customer name
is required" ControlToValidate="TextBox2" Text="*"
ForeColor="Red"></asp:RequiredFieldValidator>
            </EditItemTemplate>
        <ItemTemplate>
            <asp:Label ID="Label3" runat="server"
Text='<%# Bind("CustomerName") %>'></asp:Label>
        </ItemTemplate>
        <FooterTemplate>
            <asp:TextBox ID="txtcname"
runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator
ID="RequiredFieldValidator1" runat="server" ErrorMessage="Customer
name is required" ControlToValidate="txtcname" Text="*"
ForeColor="Red"
ValidationGroup="insertdata"></asp:RequiredFieldValidator>
        </FooterTemplate>
    </asp:TemplateField>

```

```

<asp:TemplateField HeaderText="PartyCount"
SortExpression="PartyCount">
    <EditItemTemplate>

        <asp:TextBox ID="TextBox3" runat="server" Text='<%# Bind("PartyCount") %>'></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server" ErrorMessage="party count is required" ControlToValidate="TextBox3" Text="*" ForeColor="Red"></asp:RequiredFieldValidator>
        </EditItemTemplate>
    <ItemTemplate>
        <asp:Label ID="Label4" runat="server" Text='<%# Bind("PartyCount") %>'></asp:Label>
    </ItemTemplate>
    <FooterTemplate>
        <asp:TextBox ID="txtpcount" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidatorrr3" runat="server" ErrorMessage="party count is required" ControlToValidate="txtpcount" Text="*" ForeColor="Red" ValidationGroup="insertdata"></asp:RequiredFieldValidator>
    </FooterTemplate>
</asp:TemplateField>
<asp:TemplateField HeaderText="Email"
SortExpression="Email">
    <EditItemTemplate>
        <asp:TextBox ID="TextBox4" runat="server" Text='<%# Bind("Email") %>'></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server" ErrorMessage="E-mail is"

```

```

required Text="* ControlToValidate= TextBox4
ForeColor="Red">></asp:RequiredFieldValidator>

            <asp:RegularExpressionValidator
ID="RegularExpressionValidator2" runat="server"
ErrorMessage="Incorrect E-mail Format" ControlToValidate="TextBox4"
Text="*" ValidationExpression="\w+([-.\'])\w+@\w+([-.\'])\w+*\.\w+([-.\'])\w+*" ForeColor="Red">></asp:RegularExpressionValidator>

        </EditItemTemplate>
<ItemTemplate>
            <asp:Label ID="Label5" runat="server"
Text='<%# Bind("Email") %>'></asp:Label>
        </ItemTemplate>
        <FooterTemplate>
            <asp:TextBox ID="txtemail"
runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator
ID="RequiredFieldValidator5" runat="server" ErrorMessage="E-mail is
required" ControlToValidate="txtemail" Text="*" ForeColor="Red"
ValidationGroup="insertdata"></asp:RequiredFieldValidator>

            <asp:RegularExpressionValidator
ID="RegularExpressionValidator1" runat="server"
ErrorMessage="Incorrect E-mail format" ValidationExpression="\w+([-.\'])\w+@\w+([-.\'])\w+*\.\w+([-.\'])\w+*" ControlToValidate="txtemail"
Text="*" ForeColor="Red"
ValidationGroup="insertdata"></asp:RegularExpressionValidator>
        </FooterTemplate>
    </asp:TemplateField>
    <asp:TemplateField HeaderText="dtstart"
SortExpression="dtstart">
        <EditItemTemplate>
            <asp:TextBox ID="TextBox5" runat="server"
Text='<%# Bind("dtstart") %>'></asp:TextBox>
            <asp:RequiredFieldValidator
ID="RequiredFieldValidator6" runat="server" ErrorMessage="enter the

```

```

start time and date" ControlToValidate="TextBox5" Text="*"
ForeColor="Red"></asp:RequiredFieldValidator>
    </EditItemTemplate>
    <ItemTemplate>
        <asp:Label ID="Label6" runat="server"
Text='<%# Bind("dtstart") %>'></asp:Label>
    </ItemTemplate>
    <FooterTemplate>

<asp:TextBox ID="txtdtstart" runat="server"></asp:TextBox>
    <asp:RequiredFieldValidator
ID="RequiredFieldValidator7" runat="server" ErrorMessage="enter the
start time and date" ControlToValidate="txtdtstart" Text="*"
ForeColor="Red"
ValidationGroup="insertdata"></asp:RequiredFieldValidator>
    </FooterTemplate>
    </asp:TemplateField>
    <asp:TemplateField HeaderText="dtend"
SortExpression="dtend">
        <EditItemTemplate>
            <asp:TextBox ID="TextBox6" runat="server"
Text='<%# Bind("dtend") %>'></asp:TextBox>
            <asp:RequiredFieldValidator
ID="RequiredFieldValidator8" runat="server" ErrorMessage="enter end
time and date" ControlToValidate="TextBox6" Text="*"
ForeColor="Red"></asp:RequiredFieldValidator>
        </EditItemTemplate>
        <ItemTemplate>
            <asp:Label ID="Label7" runat="server"
Text='<%# Bind("dtend") %>'></asp:Label>
        </ItemTemplate>
        <FooterTemplate>

```

```

<asp:TextBox ID= txtddtend
runat="server"></asp:TextBox>

    <asp:RequiredFieldValidator
ID="RequiredFieldValidator9" runat="server" ErrorMessage="enter end
time and date" ControlToValidate="txtddtend" Text="*" ForeColor="Red"
ValidationGroup="insertdata"></asp:RequiredFieldValidator>

    </FooterTemplate>
</asp:TemplateField>
</Columns>
</asp:GridView>

<div style="text-align: justify">
    <asp:ValidationSummary ID="ValidationSummary1"
ValidationGroup="insertdata" ForeColor="Red" runat="server" />
    <asp:ValidationSummary ID="ValidationSummary2"
ForeColor="Red" runat="server" />
</div>
</div>
</asp:Content>

```

## Screenshot :-



Reservation can be seen here

		BookingID	TableNo	CustomerName	PartyCount	Email	dtstart	
Edit	Delete	50001	T5 [6P]	hoker	1	sfullbuster808@gmail.com	30-Mar-21 10:00:00 AM	30-M...
Edit	Delete	50002	T5 [6P]	hrishabh	3	sfullbuster808@gmail.com	30-Mar-21 11:00:00 AM	30-M...
	Insert							

## Add and View Food Menu Items :-

.aspx file

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Admin/admin.Master"
AutoEventWireup="true" CodeBehind="ViewMenuItem.aspx.cs"
Inherits="WebApplication1.Admin.WebForm1" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap
.min.css" />
    <style type="text/css" media="screen">
        body{
            background:yellow;
        }
        .addlink{
            margin-left:200px;
            padding:20px;
            border:1px solid blue;
            border-radius:20px;
            background:blue;
            color:white;
            text-decoration:none;
        }
    </style>
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
    <asp:HyperLink ID="HyperLink1" runat="server" CssClass="addlink"
NavigateUrl "~/Admin/AddMemuItem.aspx">Add Item</asp:HyperLink>
    <div>
        <asp:GridView ID="GridView1" runat="server" CssClass=" table-
hover " AutoGenerateColumns="False" DataKeyNames="id"
DataSourceID="SqlDataSource1" HorizontalAlign="Center" HeaderStyle-
HorizontalAlign="Center">
            <Columns>
                <asp:CommandField ShowDeleteButton="True"
ShowEditButton="True" >
                    <HeaderStyle BackColor="#FF6600" />
                    <ItemStyle BackColor="#FFFF99" />
                </asp:CommandField>

```

```

<asp:TemplateField HeaderText="Item ID" InsertVisible="False"
SortExpression="id">
    <EditItemTemplate>
        <asp:Label ID="Label1" runat="server" Text='<%#
Eval("id") %>'></asp:Label>
    </EditItemTemplate>
    <ItemTemplate>
        <asp:Label ID="Label1" runat="server" Text='<%#
Bind("id") %>'></asp:Label>
    </ItemTemplate>
    <HeaderStyle BackColor="#FF6600" />
    <ItemStyle HorizontalAlign="Center"
BackColor="#FFFF99" />
    </asp:TemplateField>
    <asp:TemplateField HeaderText="Item Name"
SortExpression="prodname" ConvertEmptyStringToNull="False">
        <EditItemTemplate>
            <asp:TextBox ID="TextBox1" runat="server"
Text='<%# Bind("prodname") %>'></asp:TextBox>
        </EditItemTemplate>
        <ItemTemplate>
            <asp:Label ID="Label2" runat="server" Text='<%#
Bind("prodname") %>'></asp:Label>
        </ItemTemplate>
        <HeaderStyle BackColor="#FF6600" />
        <ItemStyle HorizontalAlign="Center"
BackColor="#FFFF99" />
        </asp:TemplateField>
        <asp:TemplateField HeaderText="Item Description"
SortExpression="proddesc">
            <EditItemTemplate>
                <asp:TextBox ID="TextBox2" runat="server"
Text='<%# Bind("proddesc") %>'></asp:TextBox>
            </EditItemTemplate>
            <ItemTemplate>
                <asp:Label ID="Label3" runat="server" Text='<%#
Bind("proddesc") %>'></asp:Label>
            </ItemTemplate>
            <HeaderStyle BackColor="#FF6600" />
            <ItemStyle HorizontalAlign="Center"
BackColor="#FFFF99" />
            </asp:TemplateField>

```

```

</asp:TemplateField>
<asp:TemplateField HeaderText="Item Price"
SortExpression="prodprice">
    <EditItemTemplate>
        <asp:TextBox ID="TextBox3" runat="server"
Text='<%# Bind("prodprice") %>'></asp:TextBox>
    </EditItemTemplate>
    <ItemTemplate>
        <asp:Label ID="Label4" runat="server" Text='<%#
Bind("prodprice") %>'></asp:Label>
    </ItemTemplate>
    <HeaderStyle BackColor="#FF6600" />
    <ItemStyle HorizontalAlign="Center"
BackColor="#FFFF99" />
    </asp:TemplateField>
    <asp:TemplateField HeaderText="Item Image"
SortExpression="prodimage">
        <EditItemTemplate>
            <asp:TextBox ID="TextBox4" runat="server"
Text='<%# Bind("prodimage") %>'></asp:TextBox>
        </EditItemTemplate>
        <ItemTemplate>
            <asp:Image ID="Image1" Height="100" Width="150"
runat="server" ImageUrl='<%# Eval("prodimage") %>' />
        </ItemTemplate>
        <HeaderStyle BackColor="#FF6600" />
        <ItemStyle HorizontalAlign="Center"
BackColor="#FFFF99" />
        </asp:TemplateField>
    </Columns>

<HeaderStyle HorizontalAlign="Center"></HeaderStyle>
</asp:GridView>
</div>
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString=<%$ ConnectionStrings:RestaurantDBConnectionString
%>" DeleteCommand="DELETE FROM [MenuTable] WHERE [id] = @id"
InsertCommand="INSERT INTO [MenuTable] ([prodname], [proddesc],
[prodprice], [prodimage]) VALUES (@prodname, @proddesc, @prodprice,
@prodimage)" SelectCommand="SELECT * FROM [MenuTable]"
UpdateCommand="UPDATE [MenuTable] SET [prodname] = @prodname,

```

```

[proddesc] = @proddesc, [prodprice] = @prodprice, [prodimage] =
@prodimage WHERE [id] = @id">
    <DeleteParameters>
        <asp:Parameter Name="id" Type="Int32" />
    </DeleteParameters>
    <InsertParameters>
        <asp:Parameter Name="prodname" Type="String" />
        <asp:Parameter Name="proddesc" Type="String" />
        <asp:Parameter Name="prodprice" Type="Int32" />
        <asp:Parameter Name="prodimage" Type="String" />
    </InsertParameters>
    <UpdateParameters>
        <asp:Parameter Name="prodname" Type="String" />
        <asp:Parameter Name="proddesc" Type="String" />
        <asp:Parameter Name="prodprice" Type="Int32" />
        <asp:Parameter Name="prodimage" Type="String" />
        <asp:Parameter Name="id" Type="Int32" />
    </UpdateParameters>
</asp:SqlDataSource>
</asp:Content>

```

### Screenshot :-



The screenshot shows a table of food items with columns: Item ID, Item Name, Item Description, Item Price, and Item Image. Each row includes edit and delete buttons.

	Item ID	Item Name	Item Description	Item Price	Item Image
<a href="#">Edit</a> <a href="#">Delete</a>	4	Fruit Drink	Delicious	200	
<a href="#">Edit</a> <a href="#">Delete</a>	9	waffle ice cream	Dessert	350	
<a href="#">Edit</a> <a href="#">Delete</a>	10	milk	refreshing	250	
<a href="#">Edit</a> <a href="#">Delete</a>	11	Rice	Tasty	600	
<a href="#">Edit</a> <a href="#">Delete</a>	13	Lobster	seafood	700	

## .aspx file

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Admin/admin.Master"
AutoEventWireup="true" CodeBehind="AddMemuItem.aspx.cs"
Inherits="WebApplication1.Admin.AddMemuItem" %>

<%@ Register Assembly="AjaxControlToolkit"
Namespace="AjaxControlToolkit" TagPrefix="ajaxToolkit" %>

<asp:Content ID="Content2" ContentPlaceHolderID="head" runat="server">
    <style type="text/css" media="screen">
        .modalBackground {
            background: black;
            filter: alpha(opacity=90) !important;
            opacity: 0.6 !important;
            z-index: 20;
        }

        .modalpopup {
            position: relative;
            width: 500px;
            height: 400px;
            background: white;
            border: 1px solid black;
            align-items: center;
            font-family: 'Baloo Chettan 2', cursive;
            border-radius: 10px;
            background: orange;
        }
        body{
            align-items:center;
            justify-content:center;
            background:yellow;
            height:500px;
        }
        .viewlink{
            margin-left:1000px;
            padding:20px;
            border:1px solid blue;
            border-radius:20px;
            background:blue;
        }
    </style>
</asp:Content>
```

```

        color:white;
        text-decoration:none;
    }
</style>

</asp:Content>

<asp:Content ID="Content1" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">

    <asp:HyperLink ID="HyperLink1" CssClass="viewlink" runat="server"
NavigateUrl="~/Admin/ViewMenuItem.aspx">see items
    </asp:HyperLink>
    <div class="container">
        <table style="align-content:center;" align="center">
            <tr style="color:white; font-weight:700;">
                <td style="text-align: center; font-size:30px;">
                    <asp:Label ID="Label5" runat="server" Text="Add
New Food Items" ></asp:Label>
                    <br />
                    <br />
                </td>
            </tr>
            <tr>
                <td style="text-align: center;">
                    <asp:Label ID="Label1" runat="server" Text="Item
name"></asp:Label>
                    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
                    <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>
                    <br />
                    <br />
                </td>
            </tr>
            <tr>
                <td style="text-align: center;">
                    <asp:Label ID="Label2" runat="server" Text="Item
Description"></asp:Label>
                    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
                    <asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox>
                </td>
            </tr>
        </table>
    </div>
</asp:Content>

```

```

<br />
<br />
        </td>
</tr>  <tr>
        <td style="text-align: center;">
            <asp:Label ID="Label3" runat="server" Text="Item
Price"></asp:Label>
            &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
            <asp:TextBox ID="TextBox3"
runat="server"></asp:TextBox>
            <br />
            <br />
        </td>
    </tr>
    <tr>
        <td style="align-content:
center;">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
            <asp:Label ID="Label4" runat="server" Text="Item
Image"></asp:Label>
            &nbsp;&nbsp;&nbsp;
            <asp:FileUpload ID="FileUpload1" runat="server"
/>
            <br />
            <br />
        </td>
    </tr>
    <tr>
        <td style="text-align: center;">
            <asp:Button ID="Button2" runat="server"
style="border-radius:30px; font-size:25px; border-color:green;
width:160px;" Text="Upload" BackColor="Green" ForeColor="White"
OnClick="Button2_Click"/>
            &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
        </td>
    </tr>

</table>
</div>
</asp:Content>

```

## Screenshot :-

Add New Food Items

Item name

Item Description

Item Price

Item Image  Choose File No file chosen

Upload

## Order Details :-

.aspx file

```
<%@ Page Title="" Language="C#" MasterPageFile "~/Admin/admin.Master"
AutoEventWireup="true" CodeBehind="OrderDetails.aspx.cs"
Inherits="WebApplication1.Admin.OrderDetails" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
    <style type="text/css" media="screen">
        body{
            font-family: 'Baloo Chettan 2', cursive;
            background-color: #fbb034;
            background-image: linear-gradient(315deg, #fbb034 0%,
#ffdd00 74%);
        }
    </style>
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
    <div style="text-align:center; font-size:40px; color:white; font-
weight:700; ">
        <p>FOOD ORDERS</p>
    </div>
```

```

<asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" DataKeyNames="No"
DataSourceID="SqlDataSource1" CellPadding="4" ForeColor="#333333"
GridLines="None" HorizontalAlign="Center" HeaderStyle-
HorizontalAlign="Center" >
    <AlternatingRowStyle BackColor="White" />
    <Columns>

        <asp:BoundField DataField="No" HeaderText="No"
InsertVisible="False" ReadOnly="True" SortExpression="No"
Visible="false" />
        <asp:BoundField DataField="orderid" HeaderText="Order ID"
SortExpression="orderid" />
        <asp:BoundField DataField="productid" HeaderText="ItemID"
SortExpression="productid" />
        <asp:BoundField DataField="productname" HeaderText="Item
Name" SortExpression="productname" />
        <asp:BoundField DataField="price" HeaderText="Price"
SortExpression="price" />
        <asp:BoundField DataField="quantity" HeaderText="Quantity"
SortExpression="quantity" />
        <asp:BoundField DataField="dateoforder" HeaderText="Order
Date" SortExpression="dateoforder" />
        <asp:CommandField ShowDeleteButton="True"
DeleteText="Dispatch" />
    </Columns>
    <FooterStyle BackColor="#990000" Font-Bold="True"
ForeColor="White" />
    <HeaderStyle BackColor="#990000" Font-Bold="True"
ForeColor="White" />
    <PagerStyle BackColor="#FFCC66" ForeColor="#333333"
HorizontalAlign="Center" />
    <RowStyle BackColor="#FFFBD6" ForeColor="#333333" />
    <SelectedRowStyle BackColor="#FFCC66" Font-Bold="True"
ForeColor="Navy" />
    <SortedAscendingCellStyle BackColor="#FDF5AC" />
    <SortedAscendingHeaderStyle BackColor="#4D0000" />
    <SortedDescendingCellStyle BackColor="#FCF6C0" />
    <SortedDescendingHeaderStyle BackColor="#820000" />
</asp:GridView>

```

```

<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:RestaurantDBConnectionString %>"
DeleteCommand="DELETE FROM [OrderDetails] WHERE [No] = @No"
InsertCommand="INSERT INTO [OrderDetails] ([orderid], [productid],
[productname], [price], [quantity], [dateoforder]) VALUES (@orderid,
@productid, @productname, @price, @quantity, @dateoforder)"
SelectCommand="SELECT * FROM [OrderDetails]" UpdateCommand="UPDATE
[OrderDetails] SET [orderid] = @orderid, [productid] = @productid,
[productname] = @productname, [price] = @price, [quantity] =
@quantity, [dateoforder] = @dateoforder WHERE [No] = @No">
    <DeleteParameters>
        <asp:Parameter Name="No" Type="Int32" />
    </DeleteParameters>
    <InsertParameters>
        <asp:Parameter Name="orderid" Type="String" />
        <asp:Parameter Name="productid" Type="Int32" />
        <asp:Parameter Name="productname" Type="String" />
        <asp:Parameter Name="price" Type="Int32" />
        <asp:Parameter Name="quantity" Type="Int32" />
        <asp:Parameter Name="dateoforder" Type="String" />
    </InsertParameters>
    <UpdateParameters>
        <asp:Parameter Name="orderid" Type="String" />
        <asp:Parameter Name="productid" Type="Int32" />
        <asp:Parameter Name="productname" Type="String" />
        <asp:Parameter Name="price" Type="Int32" />
        <asp:Parameter Name="quantity" Type="Int32" />
        <asp:Parameter Name="dateoforder" Type="String" />
        <asp:Parameter Name="No" Type="Int32" />
    </UpdateParameters>
</asp:SqlDataSource>
</asp:Content>

```

## Screenshot:-

FOOD ORDERS						
Order ID	ItemID	Item Name	Price	Quantity	Order Date	Dispatch
Order112248302021XEZZK	9	waffle ice cream	350	1	30-Mar-21	<a href="#">Dispatch</a>
Order112248302021XEZZK	10	milk	250	1	30-Mar-21	<a href="#">Dispatch</a>
Order12485031202107045	9	waffle ice cream	350	2	31-Mar-21	<a href="#">Dispatch</a>
Order12485031202107045	10	milk	250	1	31-Mar-21	<a href="#">Dispatch</a>
Order12485031202107045	13	Lobster	700	2	31-Mar-21	<a href="#">Dispatch</a>

## Delivery Orders:-

### .aspx file

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Admin/admin.Master"
AutoEventWireup="true" CodeBehind="DeliveryOrders.aspx.cs"
Inherits="WebApplication1.Admin.DeliveryOrders" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
    <style type="text/css" media="screen">
        body{
            font-family: 'Baloo Chettan 2', cursive;
            background-color: #fbb034;
            background-image: linear-gradient(315deg, #fbb034 0%,
                #ffdd00 74%);
        }
    </style>
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
    <div style="text-align:center; font-size:40px; color:white; font-
weight:700; ">
        <p >DELIVERY ORDERS</p>
    </div>

```

```

<asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" DataKeyNames="No"
DataSourceID="SqlDataSource1" BackColor="#DEBA84"
BorderColor="#DEBA84" BorderStyle="None" BorderWidth="1px"
CellPadding="3" CellSpacing="2" HorizontalAlign="Center" HeaderStyle-
HorizontalAlign="Center">
    <Columns>

        <asp:BoundField DataField="No" HeaderText="No"
InsertVisible="False" ReadOnly="True" SortExpression="No"
Visible="false" />
        <asp:BoundField DataField="orderid" HeaderText="orderid"
SortExpression="orderid" />
        <asp:BoundField DataField="address" HeaderText="address"
SortExpression="address" />
        <asp:BoundField DataField="mobilenumber"
HeaderText="mobilenumber" SortExpression="mobilenumber" />
        <asp:CommandField ShowDeleteButton="True" ControlStyle-
ForeColor="Black" DeleteText="Delivered" />
    </Columns>
    <FooterStyle BackColor="#F7DFB5" ForeColor="#8C4510" />
    <HeaderStyle BackColor="#A55129" Font-Bold="True"
ForeColor="White" />
    <PagerStyle ForeColor="#8C4510" HorizontalAlign="Center" />
    <RowStyle BackColor="#FFF7E7" ForeColor="#8C4510" />
    <SelectedRowStyle BackColor="#738A9C" Font-Bold="True"
ForeColor="White" />
    <SortedAscendingCellStyle BackColor="#FFF1D4" />
    <SortedAscendingHeaderStyle BackColor="#B95C30" />
    <SortedDescendingCellStyle BackColor="#F1E5CE" />
    <SortedDescendingHeaderStyle BackColor="#93451F" />
</asp:GridView>
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString=<%$ ConnectionStrings:RestaurantDBConnectionString
%>" DeleteCommand="DELETE FROM [OrderAddress] WHERE [No] = @No"
InsertCommand="INSERT INTO [OrderAddress] ([orderid], [address],
[mobilenumber]) VALUES (@orderid, @address, @mobilenumber)"
SelectCommand="SELECT * FROM [OrderAddress]" UpdateCommand="UPDATE
[OrderAddress] SET [orderid] = @orderid, [address] = @address,
[mobilenumber] = @mobilenumber WHERE [No] = @No">
    <DeleteParameters>
        <asp:Parameter Name="No" Type="Int32" />

```

```

</DeleteParameters>
<InsertParameters>
    <asp:Parameter Name="orderid" Type="String" />
    <asp:Parameter Name="address" Type="String" />
    <asp:Parameter Name="mobilenumber" Type="String" />
</InsertParameters>
<UpdateParameters>
    <asp:Parameter Name="orderid" Type="String" />
    <asp:Parameter Name="address" Type="String" />
    <asp:Parameter Name="mobilenumber" Type="String" />
    <asp:Parameter Name="No" Type="Int32" />
</UpdateParameters>
</asp:SqlDataSource>
</asp:Content>

```

**Screenshot :-**



The screenshot shows a web page with a yellow header containing the title "DELIVERY ORDERS". Below the title is a table with four columns: "orderid", "address", "mobilenumber", and a fourth column which appears to be a status indicator. The table contains two rows of data.

orderid	address	mobilenumber	
Order112248302021XEZZK	virar	3456677890	<u>Delivered</u>
Order124850312021O7O45	virar	9123456789	<u>Delivered</u>

## Inventory :-

### **.aspx file**

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Admin/admin.Master"
AutoEventWireup="true" CodeBehind="ViewStock.aspx.cs"
Inherits="WebApplication1.Admin.ViewStock" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
    <title>stock</title>

    <style type="text/css" media="screen">

        body {
            font-family: 'Baloo Chettan 2', cursive;
            background-color: #fbb034;
            background-image: linear-gradient(315deg, #fbb034 0%,
#ffdd00 74%);
        }
    </style>

</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
    <div style="display: flex; justify-content: center; align-items:
center; text-align: center;"><h2 style="font-size:40px;
color:white;">Restaurant Inventory</h2></div>

    <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" BackColor="#DEBA84" BorderColor="#DEBA84"
BorderStyle="None" BorderWidth="1px" CellPadding="3" CellSpacing="2"
DataKeyNames="ProductID" DataSourceID="SqlDataSource1"
ShowFooter="True" HorizontalAlign="Center" HeaderStyle-
HorizontalAlign="Center">
        <Columns>
            <asp:CommandField ShowEditButton="True" />
            <asp:TemplateField HeaderText="ProductID"
InsertVisible="False" SortExpression="ProductID">
                <EditItemTemplate>
```

```

<asp:Label ID="Label1" runat="server" Text='<%# Eval("ProductID") %>'></asp:Label>
    </EditItemTemplate>
    <ItemTemplate>
        <asp:Label ID="Label1" runat="server" Text='<%# Bind("ProductID") %>'></asp:Label>
    </ItemTemplate>
    <FooterTemplate>
        <asp:LinkButton ID="LinkButton1" OnClick="lbinsert_click" runat="server" ValidationGroup="ins">Insert</asp:LinkButton>
    </FooterTemplate>
    <ItemStyle HorizontalAlign="Center" />
</asp:TemplateField>
<asp:TemplateField HeaderText="ProductName" SortExpression="ProductName">
    <EditItemTemplate>
        <asp:TextBox ID="TextBox1" runat="server" Text='<%# Bind("ProductName") %>'></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ControlToValidate="TextBox1" ErrorMessage="Product name is required" Text="*" ForeColor="Red"></asp:RequiredFieldValidator>
    </EditItemTemplate>
    <ItemTemplate>
        <asp:Label ID="Label2" runat="server" Text='<%# Bind("ProductName") %>'></asp:Label>
    </ItemTemplate>
    <FooterTemplate>
        <asp:TextBox ID="txtpname" runat="server"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator2" ValidationGroup="ins" runat="server" ControlToValidate="txtpname" ErrorMessage="Product name is required" Text="*" ForeColor="Red"></asp:RequiredFieldValidator>
    </FooterTemplate>
    <ItemStyle HorizontalAlign="Center" />
</asp:TemplateField>
<asp:TemplateField HeaderText="SupplierName" SortExpression="SupplierName">
    <EditItemTemplate>

```

```

<asp:TextBox ID="TextBox2" runat="server" Text='<%# Bind("SupplierName") %>'></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server" ControlToValidate="TextBox2" ErrorMessage="supplier name is required" Text="" ForeColor="Red"></asp:RequiredFieldValidator>
        </EditItemTemplate>
        <ItemTemplate>
            <asp:Label ID="Label3" runat="server" Text='<%# Bind("SupplierName") %>'></asp:Label>
        </ItemTemplate>
        <FooterTemplate>
            <asp:TextBox ID="txtsname" runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator4" ValidationGroup="ins" runat="server" ControlToValidate="txtsname" ErrorMessage="supplier name is required" Text="" ForeColor="Red"></asp:RequiredFieldValidator>
            </FooterTemplate>
            <ItemStyle HorizontalAlign="Center" />
        </asp:TemplateField>
        <asp:TemplateField HeaderText="Price" SortExpression="Price">
            <EditItemTemplate>
                <asp:TextBox ID="TextBox3" runat="server" Text='<%# Bind("Price") %>'></asp:TextBox>
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server" ControlToValidate="TextBox3" ErrorMessage="price is required" Text="" ForeColor="Red"></asp:RequiredFieldValidator>
            </EditItemTemplate>
            <ItemTemplate>
                <asp:Label ID="Label4" runat="server" Text='<%# Bind("Price") %>'></asp:Label>
            </ItemTemplate>
            <FooterTemplate>
                <asp:TextBox ID="txtprice" runat="server"></asp:TextBox>
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator6" ValidationGroup="ins" runat="server" ControlToValidate="txtprice" ErrorMessage="price is required" Text="" ForeColor="Red"></asp:RequiredFieldValidator>
            </FooterTemplate>
        </asp:TemplateField>
    </asp:FormView>

```

```

        </FooterTemplate>
            <ItemStyle HorizontalAlign="Center" />
        </asp:TemplateField>
        <asp:TemplateField HeaderText="Quantity"
SortExpression="Quantity">
            <EditItemTemplate>
                <asp:TextBox ID="TextBox4" runat="server"
Text='<%# Bind("Quantity") %>'></asp:TextBox>
                <asp:RequiredFieldValidator
ID="RequiredFieldValidator7" runat="server"
ControlToValidate="TextBox4" ErrorMessage="quantity is required"
Text="*" ForeColor="Red"></asp:RequiredFieldValidator>
            </EditItemTemplate>
            <ItemTemplate>
                <asp:Label ID="Label5" runat="server" Text='<%#
Bind("Quantity") %>'></asp:Label>
            </ItemTemplate>
            <FooterTemplate>
                <asp:TextBox ID="txtqty"
runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator
ID="RequiredFieldValidator8" ValidationGroup="ins" runat="server"
ControlToValidate="txtqty" ErrorMessage="quantity is required"
Text="*" ForeColor="Red"></asp:RequiredFieldValidator>
            </FooterTemplate>
            <ItemStyle HorizontalAlign="Center" />
        </asp:TemplateField>
        <asp:TemplateField HeaderText="Date"
SortExpression="Date">
            <EditItemTemplate>
                <asp:TextBox ID="TextBox5" runat="server"
Text='<%# Bind("Date") %>'></asp:TextBox>
                <asp:RequiredFieldValidator
ID="RequiredFieldValidator9" runat="server"
ControlToValidate="TextBox5" ErrorMessage="date is
required"></asp:RequiredFieldValidator>
            </EditItemTemplate>
            <ItemTemplate>
                <asp:Label ID="Label6" runat="server" Text='<%#
Bind("Date") %>'></asp:Label>
            </ItemTemplate>
            <ItemStyle HorizontalAlign="Center" />

```

```

</asp:TemplateField>
    <asp:CommandField ShowDeleteButton="True"
DeleteText="Remove" />
</Columns>
<FooterStyle BackColor="#F7DFB5" ForeColor="#8C4510" />
<HeaderStyle BackColor="#A55129" Font-Bold="True"
ForeColor="White" />
<PagerStyle ForeColor="#8C4510" HorizontalAlign="Center" />
<RowStyle BackColor="#FFF7E7" ForeColor="#8C4510" />
<SelectedRowStyle BackColor="#738A9C" Font-Bold="True"
ForeColor="White" />
<SortedAscendingCellStyle BackColor="#FFF1D4" />
<SortedAscendingHeaderStyle BackColor="#B95C30" />
<SortedDescendingCellStyle BackColor="#F1E5CE" />
<SortedDescendingHeaderStyle BackColor="#93451F" />
</asp:GridView>
<br />
<asp:ValidationSummary ID="ValidationSummary1"
ValidationGroup="ins" runat="server" ForeColor="Red" />
<asp:ValidationSummary ID="ValidationSummary2" runat="server"
ForeColor="Red" />
<div>
    <asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString=<%$ ConnectionStrings:RestaurantDBConnectionString
%>" DeleteCommand="DELETE FROM [StockTable] WHERE [ProductID] =
@ProductID" InsertCommand="INSERT INTO [StockTable] ([ProductName],
[SupplierName], [Price], [Quantity], [Date]) VALUES (@ProductName,
@SupplierName, @Price, @Quantity, @Date)" SelectCommand="SELECT * FROM
[StockTable]" UpdateCommand="UPDATE [StockTable] SET [ProductName] =
@ProductName, [SupplierName] = @SupplierName, [Price] = @Price,
[Quantity] = @Quantity, [Date] = @Date WHERE [ProductID] =
@ProductID">
        <DeleteParameters>
            <asp:Parameter Name="ProductID" Type="Int32" />
        </DeleteParameters>
        <InsertParameters>
            <asp:Parameter Name="ProductName" Type="String" />
            <asp:Parameter Name="SupplierName" Type="String" />
            <asp:Parameter Name="Price" Type="Int32" />
            <asp:Parameter Name="Quantity" Type="Int32" />
            <asp:Parameter Name="Date" Type="String" />
        </InsertParameters>
    </asp:SqlDataSource1>
</div>

```

```

<UpdateParameters>
    <asp:Parameter Name="ProductName" Type="String" />
    <asp:Parameter Name="SupplierName" Type="String" />
    <asp:Parameter Name="Price" Type="Int32" />
    <asp:Parameter Name="Quantity" Type="Int32" />
    <asp:Parameter Name="Date" Type="String" />
    <asp:Parameter Name="ProductID" Type="Int32" />
</UpdateParameters>
</asp:SqlDataSource>
</div>
</asp:Content>

```

## Screenshot :-

Restaurant Inventory						
ProductID	ProductName	SupplierName	Price	Quantity	Date	
Edit 113	orange	grocery	60	10	25-Mar-2021	<a href="#">Remove</a>
Edit 114	mango	fruit store	90	30	25-Mar-2021	<a href="#">Remove</a>
<a href="#">Insert</a>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		

## View Feedbacks :-

### .aspx file

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Admin/admin.Master"
AutoEventWireup="true" CodeBehind="ViewFeedback.aspx.cs"
Inherits="WebApplication1.Admin.WebForm2" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
    <style type="text/css" media="screen">
        body{
            font-family: 'Baloo Chettan 2', cursive;
            background-color: #fbb034;
            background-image: linear-gradient(315deg, #fbb034 0%,
#ffdd00 74%);
        }
    </style>
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
    <div style="text-align:center; font-size:40px; color:white; font-
weight:700; ">
        <p>USER FEEDBACK</p>
    </div>
    <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" BackColor="#DEBA84" BorderColor="#DEBA84"
BorderStyle="None" BorderWidth="1px" CellPadding="3" CellSpacing="2"
DataKeyNames="id" DataSourceID="SqlDataSource1"
HorizontalAlign="Center" HeaderStyle-HorizontalAlign="Center">
        <Columns>
            <asp:BoundField DataField="id" HeaderText="id"
InsertVisible="False" ReadOnly="True" SortExpression="id"
Visible="false" />
            <asp:BoundField DataField="fullname" HeaderText="Full
Name" SortExpression="fullname">
                <ItemStyle HorizontalAlign="Center" />
            </asp:BoundField>
            <asp:BoundField DataField="email" HeaderText="E-Mail"
SortExpression="email">
                <ItemStyle HorizontalAlign="Center" />
            </asp:BoundField>
        </Columns>
    </asp:GridView>
</asp:Content>
```

```

<asp:BoundField DataField="mobilenumber" HeaderText="Mobile Number"
SortExpression="mobilenumber">

<ItemStyle HorizontalAlign="Center" />
</asp:BoundField>
<asp:BoundField DataField="message" HeaderText="Message"
SortExpression="message">
<ItemStyle HorizontalAlign="Center" />
</asp:BoundField>
<asp:CommandField ShowDeleteButton="True" />
</Columns>
<FooterStyle BackColor="#F7DFB5" ForeColor="#8C4510" />
<HeaderStyle BackColor="#A55129" Font-Bold="True"
ForeColor="White" />
<PagerStyle ForeColor="#8C4510" HorizontalAlign="Center" />
<RowStyle BackColor="#FFF7E7" ForeColor="#8C4510" />
<SelectedRowStyle BackColor="#738A9C" Font-Bold="True"
ForeColor="White" />
<SortedAscendingCellStyle BackColor="#FFF1D4" />
<SortedAscendingHeaderStyle BackColor="#B95C30" />
<SortedDescendingCellStyle BackColor="#F1E5CE" />
<SortedDescendingHeaderStyle BackColor="#93451F" />
</asp:GridView>
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:RestaurantDBConnectionString
%>" DeleteCommand="DELETE FROM [TBFeedback] WHERE [id] = @id"
InsertCommand="INSERT INTO [TBFeedback] ([fullname], [email],
[mobilenumber], [message]) VALUES (@fullname, @email, @mobilenumber,
@message)" SelectCommand="SELECT * FROM [TBFeedback]"
UpdateCommand="UPDATE [TBFeedback] SET [fullname] = @fullname, [email]
= @email, [mobilenumber] = @mobilenumber, [message] = @message WHERE [id] =
@id">
<DeleteParameters>
<asp:Parameter Name="id" Type="Int32" />
</DeleteParameters>
<InsertParameters>
<asp:Parameter Name="fullname" Type="String" />
<asp:Parameter Name="email" Type="String" />
<asp:Parameter Name="mobilenumber" Type="String" />
<asp:Parameter Name="message" Type="String" />
</InsertParameters>

```

```

<UpdateParameters>
    <asp:Parameter Name="fullname" Type="String" />
    <asp:Parameter Name="email" Type="String" />
    <asp:Parameter Name="mobilenumber" Type="String" />

    <asp:Parameter Name="message" Type="String" />
        <asp:Parameter Name="id" Type="Int32" />
    </UpdateParameters>
</asp:SqlDataSource>
</asp:Content>

```

### Screenshot :-



The screenshot shows a yellow header with the text "USER FEEDBACK". Below it is a table with the following data:

Full Name	E-Mail	Mobile Number	Message	
king	k@gmail.com	2323232323	nice	<a href="#">Delete</a>
mika	m@gmail.com	2323232323	great	<a href="#">Delete</a>

### View User Accounts:-

.aspx file

```

<%@ Page Title="" Language="C#" MasterPageFile="~/Admin/admin.Master"
AutoEventWireup="true" CodeBehind="ViewUserAccounts.aspx.cs"
Inherits="WebApplication1.Admin.WebForm3" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
    <style type="text/css" media="screen">
        body{
            font-family: 'Baloo Chettan 2', cursive;
            background-color: #fbb034;

```

```

background-image: linear-gradient(315deg, #fbb034 0%, #ffdd00 74%);
}
</style>
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">

<div style="text-align:center; font-size:40px; color:white; font-
weight:700; ">
    <p >USER ACCOUNTS</p>
</div>
<asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" CellPadding="4" DataKeyNames="ID"
DataSourceID="SqlDataSource1" ForeColor="#333333" GridLines="None"
HorizontalAlign="Center" HeaderStyle-HorizontalAlign="Center">
    <AlternatingRowStyle BackColor="White" />
    <Columns>
        <asp:CommandField ShowDeleteButton="True"
ShowEditButton="True" />
        <asp:BoundField DataField="ID" HeaderText="ID"
InsertVisible="False" ReadOnly="True" SortExpression="ID" />
        <asp:BoundField DataField="username" HeaderText="username"
SortExpression="username" />
        <asp:BoundField DataField="email" HeaderText="email"
SortExpression="email" />
        <asp:BoundField DataField="password" HeaderText="password"
SortExpression="password" />
        <asp:BoundField DataField="usertype" HeaderText="usertype"
SortExpression="usertype" />
    </Columns>
    <FooterStyle BackColor="#990000" Font-Bold="True"
ForeColor="White" />
    <HeaderStyle BackColor="#990000" Font-Bold="True"
ForeColor="White" />
    <PagerStyle BackColor="#FFCC66" ForeColor="#333333"
HorizontalAlign="Center" />
    <RowStyle BackColor="#FFFBD6" ForeColor="#333333" />
    <SelectedRowStyle BackColor="#FFCC66" Font-Bold="True"
ForeColor="Navy" />
    <SortedAscendingCellStyle BackColor="#FDF5AC" />
    <SortedAscendingHeaderStyle BackColor="#4D0000" />

```

```

<SortedDescendingCellStyle BackColor="#FCF6C0" />
    <SortedDescendingHeaderStyle BackColor="#820000" />
</asp:GridView>
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString=<%$ ConnectionStrings:RestaurantDBConnectionString %>" DeleteCommand="DELETE FROM [UserData] WHERE [ID] = @ID"
InsertCommand="INSERT INTO [UserData] ([username], [email],
[password], [usertype]) VALUES (@username, @email, @password,
@usertype)" SelectCommand="SELECT * FROM [UserData]"
UpdateCommand="UPDATE [UserData] SET [username] = @username, [email] =
@email, [password] = @password, [usertype] = @usertype WHERE [ID] =
@ID">
    <DeleteParameters>
        <asp:Parameter Name="ID" Type="Int32" />
    </DeleteParameters>
    <InsertParameters>
        <asp:Parameter Name="username" Type="String" />
        <asp:Parameter Name="email" Type="String" />
        <asp:Parameter Name="password" Type="String" />
        <asp:Parameter Name="usertype" Type="String" />
    </InsertParameters>
    <UpdateParameters>
        <asp:Parameter Name="username" Type="String" />
        <asp:Parameter Name="email" Type="String" />
        <asp:Parameter Name="password" Type="String" />
        <asp:Parameter Name="usertype" Type="String" />
        <asp:Parameter Name="ID" Type="Int32" />
    </UpdateParameters>
</asp:SqlDataSource>
</asp:Content>

```

## Screenshot :-

USER ACCOUNTS						
ID	username	email	password	usertype		
<a href="#">Edit</a>	<a href="#">Delete</a>	6 johnny	john@gmail.com	99999	U	
<a href="#">Edit</a>	<a href="#">Delete</a>	8 queen	q@gmail.com	33	U	
<a href="#">Edit</a>	<a href="#">Delete</a>	9 admin88	admin@gmail.com	admin1234	A	
<a href="#">Edit</a>	<a href="#">Delete</a>	10 bruce	b@gmail.com	2222	U	
<a href="#">Edit</a>	<a href="#">Delete</a>	11 king	king@gmail.com	88888	U	

## 5.3 Testing Approach :-

### **5.3.1 Unit Testing:-**

In Computer programming, Unit Testing is a software testing method by which individual units of source code, sets of one or more computer program modules together with associated control data, usage procedures, operating procedures, are tested to determine whether they are fit for use.

Unit tests are typically automated tests written and run by software developers to ensure that a section of an application meets its design and behaves as intended. In procedural programming, a unit code could be an entire module, but it is more commonly an individual function or procedure. In Object-oriented programming, a unit is often an entire interface, such as a class, but could be an individual method.

To isolate issues that may arise, each test case should be tested independently. Substitutes such as method stubs, mock objects, fakes and test harnesses can be used to assist testing a module in isolation.

A goal of unit testing is to isolate each part of the program and show that the individual parts are correct. A unit test provides a strict, written contract that the piece of code must satisfy. As a result, it affords several benefits. Unit testing finds problems

early in the development cycle. This includes both bugs in the programmer's implementation and flaws or missing parts of the specification for the unit.

### **Test objectives:-**

- All the validation must be tested properly.
- None of the entry must remain empty.
- All the error messages must be shown properly and validated properly.
- Forms must contain all the required input field for the data.
- Data must be entered in database properly.
- Users must be navigated to correct page from one page.

#### **5.3.2 Integration Testing :-**

Integration testing is a type of testing to check if different pieces of the modules are working together. The behavior of integration modules is considered in the integration testing. The scope of integration testing is wide, it covers the whole application under test and it requires much more effort to put together.

Integration testing is dependent on other outside system like database, hardware allocated for them, etc. This type of testing is carried out after unit testing and before system testing and executed by the testing team. Integration testing is further divided into different types as follows:- Top-Down Integration, Bottom-Up Integration and so on.

Integration testing starts with the interface specification. The visibility of the integration structure comes under integration testing. Integration testing is to be carried out to discover the issues arise when different modules are interacting with each other to build overall system.

The goal of integration testing is to test the combined modules together and ensure that every combined modules are working as expected. Integration testing is comes under both Black box and White box type of testing.

### **Testing approach:-**

- When all the modules are brought together it must work properly.
- Users must be able to navigate from one page to another properly.
- Data must be entered in database properly and in defined schema.
- Schema design must be defined properly.

- User must be able to view the information required.

## **5.4 Modification and Improvements:-**

After testing my project I came across various error, bugs or issues in code or functions. Due to unit testing I came across some small problems which was solved by me but some problems was little bit difficult which I solved with the help of google or youtube. There were difficulties in the ordering module which I have solved through. For the form design also I took help from you tube and google to know which type of design will be suitable for a webpages.

In integration testing I came to know the problem in my project like form are not working properly when brought together and also the link was not directing the expected page. There was also some problem in database entry. All data was not entering in database and somewhere the data was fetched properly which was expected to fetch from database. To solve those problem I took help again from google and you tube.

### **Improvements:-**

- System can automatically show list of available tables
- Payment gateway can also be added.
- Information can be displayed separately of reservations, ordering and inventory.
- Customers can also download invoice.

After solving all the problems that raised during testing was solved and now the project is finally bug free or error free.

## Chapter 6

### **Result and Discussion**

#### **User Manual:-**

When we run the online restaurant service system we get redirected to the homepage. The user and admin both have different rights .The user can reserve a table or order a takeout .

#### **Homepage.aspx**

The homepage gives the preview image of what the restaurant look like. The user must first login through valid credentials and then only he can reserve a table order takeout. If you are a new user you can either sign up or register by filling valid data, otherwise you will not be able to create an account.The customer can reserve or explore menu from links given in homepage.

#### **Registration.aspx**

New users can register the website by entering valid data,there are various validations placed for invalid data handling.

#### **Loginpage.aspx**

The user who have registered successfully can login through their account by using valid credentials.

#### **Reservation.aspx**

The users can reserve their table here,they have to enter the name and a valid e mail address and select a date of their choice by clicking the check availability button they can get a list of available table. They can only select one table and can confirm their booking. They will get conformation message through e-mail ID.

#### **MenuPage.aspx**

The user can select any item of their choice with desired quantity and add through their cart.

#### **AddToCart.aspx**

The items added to cart gets displayed here along with selected specifications by the customer and the grand total of all the items and through here the user can checkout.

## **Placeorder.aspx**

The items to be ordered are displayed here along with date and a generated order ID. The customer must enter the address and a valid phone number and email ID. They will get notified of their orders on the way to delivery.

## **Successfullorder.aspx**

User can download their invoice here in pdf format.

## **Administration Manual:-**

This contains the master with hamburger page slide navigation links of administrative modules

## **AdminHomepage.aspx**

This is the admin home page which contains links and access to administrative modules of the website

## **ViewReservations.aspx**

Here we can view the reservation done by the user we can also add new reservations from here

## **ViewOrders.aspx**

The orders of food will be displayed here which then can be dispatched when done.

## **Delivery.aspx**

The delivery orders are visible here which can then be delivered

## **Inventory.aspx**

The restaurants inventory/stock can be managed here.

## **View/Add Menu.aspx**

Here the admin can add new food items and can update or delete existing items available in the menu.

## **ViewUserAccounts.aspx**

The user account details can be visible here.

## Chapter 7

### **Conclusions and Future Works**

#### **6.1Conclusions:**

My project “Online Restaurant Service System” website is best for the hotel and people too. If some new person will be come to new city or new area and is not aware of that area then he/she can book table for lunch or dinner. Online restaurant will save the time of customer that will be wasted if customer will step up to restaurant and reserve a table and so on. To avoid that waste of time online restaurant is best solution. Customer will get all the details of tables and food ordering, etc.

Restaurant Admin will be able to get more and more customer for their restaurant through online restaurant as now a days everyone prefer to do everything online. It is the main work to keep the customer detail safe. When any user will register it is important verify the user’s email. To do so when user will register to website. If the user has entered a valid email and registered email address is with them then and only then they will verify their email address and can proceed further. Those users not verifying their email will not be able to login to the website and take advantages of the website.

The action to be performed by admin and customer/user are separate. Customer/user can book tables and order food. User/customer can also comment their experience, if they have some complaints that also they can comment and if something is not available or something must be there in the facility can also be mentioned in the contact us section.

Admin can handle the records of the restaurant,table or users. Admin can add the new menu item details or new table details. They can also delete the record of the menu item or table if found to be false. They can edit the details of the menu item, table if there is something to be updated. Admin will handle the records of booking, ordering and delivery records .

This is all is about my project and the action or the importance of the modules included in my project. The details of the customer are kept safe and cannot be seen by any other user. Each and every user can only see their details. To keep the users details confidential I have used the hashing- The password of the user is not stored in the plain text but first it is hashed and then it is saved in the database so none of the user can know the password of the another user.

To make my project attractive, simple I have used the jQuery, HTML, Javascript libraries to design my project. This project is designed very simple no more graphics. For the database I have user MS SQL management studio so that I can deal with the database

entry. To complete my project I have used many things to get referred to tackle the problem. The menu item, restaurant, tables details are listed in a very simple ways in just a small boxes separated by little space between them. I have included contact information and address of our restaurant to make customers easy to find us.

### **7.1.1 Significance of the project:**

Online restaurant service is very best solution now a days to book tables in restaurant. In today's rushed life no one will get a time to step up to the restaurant and query to the receptionist about the restaurant, tables, if any table are available or not, and so on.

So it is best to use the online restaurant website and book tables in restaurant without stepping up to the hotel and querying about the rooms or table. User can book the tables from anywhere. This website is very useful in the emergency case. If someone need an urgent one table and there is no available rooms in nearby restaurant they know they can use this website and can come to know the nearest restaurant and then can book table and have luch or dinner.

User can book the tables according to their needs. Online restaurant system for booking table to mostly avoid the problem of non-availability. Sometime it happens that we find the nearest restaurant but table is not available. If user is using online method to book tables then when they will be visiting the site they will come to know the number of table available in the hotel and which type of tables are available. They even need not to visit the restaurant and query about it. They will get all the information in the website itself.

### **7.2 Limitation of the System:**

- No restrictions on the duration the data to be stored in the database.
- There is no restriction on the admin that which details they can handle.
- Any customer cannot like any comments of other customer or rate the facility of restaurant.
- No rating is given to the restaurant, only the customer can provide feedback by commenting about the hotels and their facilities.
- Once commented user/customer cannot delete that comment. Only admin can delete the comments they want not to be visible to the customer.

### **7.3 Future Scope of the Project:**

- In future, we can add more and more modules in the website and more and more new features so that more and more user will visit to our website and it will become a popular

website used to book tables in the restaurant. We can also add some more security i.e. high level security to keep the data safe from the unauthenticated users or hackers.

- We can also restrict the amount of data will be seen by the user and admin according to the requirement. To keep the website secure high level of methods can also be used. We can also maintain the availability, confidentiality and Integrity of the system so that website and its related data will be safe.
- We can also add a feature if some offer is available or any restaurant is providing some offer then that must be visible to the customer/user of the website. Also we can do one thing that we can send an email informing about the offers on roo table booking during some vacation or occasion.
- We can also add more and more menu items to the website its details which will be available for the online booking. We can also allow the user to rate the facility of restaurant and table amenities from the 5 star which is not included now.
- We can also add categories in menu which is not implemented now.

## **References**

➤ **Books:** -

Beginning in ASP.NET 4.5 in C#

➤ **Internet:** -

- <https://stackoverflow.com>
- <https://www.youtube.com>
- <https://google.com>
- <https://jquery.com>
- <https://www.barbequenation.com>