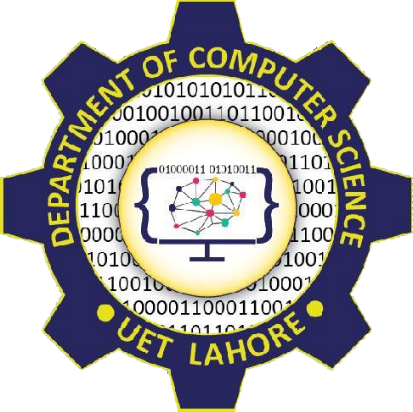
**Restaurant Management System**



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# **1. Project Description:**

1.1 Purpose: The purpose of the Restaurant Management System is to streamline the operations of the any booming restaurant that is in need to expand its operations. It aims to provide an efficient and user-friendly interface for placing orders, managing orders, inventory, and other related activities.1.2 Scope: The system is designed to cater specifically to the needs of the restaurants focusing on order processing, inventory management, and overall restaurant administration.1.3 Objectives:

* Automate order placement and processing.
* Manage inventory efficiently.
* Provide a user-friendly graphical interface for both customers and staff.

# **1.4 Major Features:**

* User-friendly GUI for order placement and processing.
* Inventory management for tracking product availability.
* Role-based access control for secure operations.
* Real-time order tracking.
* Reservation management.
* Interactive and Responsive UI.
* Incentives for customers to attract them to this app.
* Generating reports for sales, order history, users and many more.

# **2. Technical Details:**

2.1 Development Environment:

* Integrated Development Environment (IDE): Visual Studio
* Version Control: Git

2.2 Programming Languages: Programming languages used are C# and SQL.

2.3 Framework: .NET Framework

2.4 Database: SQL Server for data storage and retrieval.

# **3. User Guide:**

3.1 Getting Started: On launching the application, the customers lands on homepage and can navigate to Sign in or Sign-up page, after successfully signing up, he can sign in using valid credentials.From here on out the user will explore the options and features available.

3.2 User Roles and Permissions:Administrator:

Full access to all the management features.Staff:

Limited access for order processing and products management. They include Chefs and Waiters.Customer:

Limited access to many features including placing orders, making reservations, giving feedback etc.

## **3.3 Functionality Overview:**

### **3.3.1 Admin:**

* CRUD Operations for Customers and Employees.
* Managing Tables.
* Add new Admin.
* View Analytics.
* Notify Users and Reply to their messages.
* View User Reviews.
* Change Username/Password.
* Delete Account.
* Log Out.

### **3.3.2 Customer:**

* Menu Browsing.
* Can promote to VIP to access more features and get rewards.
* Place and track orders.
* View order history and details.
* Make a Reservation.
* Can upload Profile.
* Provide feedback.
* Messaging System.
* Change Username/Password.
* Delete Account.
* Log Out.

### **3.3.2 Staff (Waiters and Chefs):**

* Table Reservation Management.
* Order Processing.
* Products and Deals Management.
* Order Status Updates.