

Coffee Shop Management System

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# Objective and Scope

The ‘**Coffee Shop Management System**’ is a desktop based application that has been developed to maintain a full activity of a coffee shop along with other related information. Using this project users may get so many advantages which is provided by the ‘Coffee Shop Management System’. The purpose of coffee shop management system is to manage customer details, bill details, etc. This is a desktop application project developed in c# and sql server database.This project automate the process of manually maintaining the records related to transaction flows, user details, payment details. It is very needy for Coffee Shops. This project helps the owners of Coffee Shops to maintain day to day transactions in computer.This is a simple project in c# with database. To run this project you need a visual studio. It stores customer details and calculate cost of coffee instantly.

# Features

The Coffee Shop Management System provides following features.

1.Search Details coffee items

2.Store new coffee item

3. Delete a coffee item

4. Delete multiple coffee items

5.Update a coffee item

6.Calculate prices of coffee items

7.Show changes after calculating the price

8.Add and Update employee data

9.Store salary data

10.Dark Mood

# Technical Approach

In this section, we have described the anticipated topic or techniques that we will be using in our project. For example:

1. **Inheritance:**This principle will be used in form designing for reusability purpose. All the forms derived from Form class and inherits its property and even handing methods.
2. **Form Application Concept:**Class and Object are the basic concepts of Object-Oriented Programming which revolve around the real-life entities. A class is a user-defined blueprint or prototype from which objects are created. Basically, a class combines the fields and methods(member function which defines actions) into a single unit. In C#, classes support polymorphism, inheritance and also provide the concept of derived classes and base classes.C# programmers have made extensive use of forms to build user interfaces. Each time you create a Windows application, Visual Studio will display a default blank form, onto which you can drag the controls onto your applications main form and adjust their size and position.
3. **The Class Concept:**Class and Object are the basic concepts of Object-Oriented Programming which revolve around the real-life entities. A class is a user-defined blueprint or prototype from which objects are created. Basically, a class combines the fields and methods(member function which defines actions) into a single unit. In C#, classes support polymorphism, inheritance and also provide the concept of derived classes and base classes.
4. **SQL Database for data storage:**SQL server is a database server by Microsoft. The Microsoft relational database management system is a software product which primarily stores and retrieves data requested by other applications.SQL is a special-purpose programming language designed to handle data in a relational database management system.SQL Server is a relational database management system (RDBMS) developed and marketed by Microsoft. As a database server, the primary function of the SQL Server is to store and retrieve data used by other applications.

**Software genre:**Relational database manage.

**Developer:**Microsoft Corporation