**NAME: Mahasri M, Velmurugan**

**Mr.Chef Food portal**

**Code:**

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.SqlClient;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Xml.Linq;

namespace Food

{

internal class foodportal

{

SqlConnection conn;

SqlCommand cus\_details, cat\_id, food\_type, product, order\_det, pay\_type, pay,cmd2;

SqlDataAdapter da;

DataSet ds;

SqlDataReader s;

private object MessageBox;

public void OpenConn()

{

string cnnstr = "data source=LAPTOP-EE8FKNGK\\SQLEXPRESS; Initial Catalog = food; Integrated Security = SSPI";

conn = new SqlConnection(cnnstr);

try

{

conn.Open();

Console.WriteLine("DB Connected..");

}

catch (SqlException ex)

{

Console.WriteLine("Connection not established");

}

}

public void createtable()

{

SqlCommand cus\_details=new SqlCommand("create table customer\_det(name varchar(10), mob\_num int primary key, city varchar(10));",conn);

SqlCommand cat\_id = new SqlCommand("create table category(c\_id varchar(1) primary key, c\_type varchar(10));", conn);

SqlCommand food\_type = new SqlCommand("create table food\_type(type\_id int primary key, specification varchar(10));", conn);

SqlCommand product = new SqlCommand("create table product(p\_id int primary key,c\_id varchar(1) Foreign Key references category(c\_id),type\_id int Foreign Key references food\_type(type\_id),p\_name varchar(20),cost int);", conn);

SqlCommand order\_det = new SqlCommand("create table order\_det(order\_id int primary key, name varchar(10), mob\_num int Foreign key references customer\_det(mob\_num),p\_id int foreign key references product(p\_id),quantity int, amt int);", conn);

SqlCommand pay\_type = new SqlCommand("create table payment\_type(pay\_id int primary key, pay\_type varchar(5));", conn);

SqlCommand pay = new SqlCommand("create table payment(payment\_no int primary key, order\_id int foreign key references order\_det(order\_id),pay\_id int foreign key references payment\_type(pay\_id),totalamt int);", conn);

if(conn!=null)

{

cus\_details.ExecuteNonQuery();

cat\_id.ExecuteNonQuery();

food\_type.ExecuteNonQuery();

product.ExecuteNonQuery();

order\_det.ExecuteNonQuery();

pay\_type.ExecuteNonQuery();

pay.ExecuteNonQuery();

Console.WriteLine("Table Created");

}

}

public void inserttable()

{

SqlCommand cus\_details=new SqlCommand("insert into customer\_det values('vel',987654,'chennai'),('murugan',982710,'chennai'),('maha',998060,'chennai'),('sri',902345,'chennai');",conn);

SqlCommand cat\_id = new SqlCommand("insert into category values('A','veg'),('B','nonveg'),('C','fastfood');", conn);

SqlCommand food\_type = new SqlCommand("insert into food\_type values(1,'breakfast'),(2,'lunch'),(3,'dinner');", conn);

SqlCommand product = new SqlCommand("insert into product values(11,'A',1,'idli',20),(12,'A',2,'meals',150),(13,'A',3,'dosa',40),(14,'B',1,'chicken sandwich',120),(15,'B',2,'chicken biriyani',150),(16,'B',3,'parotta chickencurry',140),(17,'C',1,'fried rice',120),(18,'C',2,'noodels',150),(19,'C',3,'burmi',140);", conn);

SqlCommand order\_det = new SqlCommand("insert into order\_det values(100,'vel',987654,11,2,40),(101,'maha',998060,15,1,150);", conn);

SqlCommand pay\_type = new SqlCommand("insert into payment\_type values(51,'cash'),(52,'NB'),(53,'UPI'),(54,'card');", conn);

SqlCommand pay = new SqlCommand("insert into payment values(1111,100,53,40),(1112,101,54,150);", conn);

if(conn!=null)

{

cus\_details.ExecuteNonQuery();

cat\_id.ExecuteNonQuery();

food\_type.ExecuteNonQuery();

product.ExecuteNonQuery();

order\_det.ExecuteNonQuery();

pay\_type.ExecuteNonQuery();

pay.ExecuteNonQuery();

Console.WriteLine("Values Inserted");

}

}

public void Cusadmin()

{

Console.WriteLine("Enter 1 or 2:");

Console.WriteLine("1.Customer");

Console.WriteLine("2.Admin");

int choice =Convert.ToInt32 (Console.ReadLine());

if(choice == 1)

{

Customer();

}

else if(choice == 2)

{

Admin();

}

else

{

Console.WriteLine("Enter vaild Number");

}

}

public void Customer()

{

Console.WriteLine("Order your favorite food");

Console.WriteLine("\nEnter your meal type:");

Console.WriteLine("\nA for Veg");

Console.WriteLine("\nB for NonVeg");

Console.WriteLine("\nC for FastFood");

char meal =Convert.ToChar(Console.ReadLine());

//veg

if(meal == 'A' || meal =='a')

{

Console.WriteLine("\nPress 1 for Idli");

Console.WriteLine("\nPress 2 for Meals");

Console.WriteLine("\nPress 3 for Dosa");

int mealtype=Convert.ToInt32(Console.ReadLine());

if(mealtype == 1)

{

Console.WriteLine("Enter quantity:");

int quantity=Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Your bill amount is: "+ quantity \* 20);

payment();

}

else if(mealtype == 2)

{

Console.WriteLine("Enter quantity:");

int quantity = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Your bill amount is: "+ quantity \* 150);

payment();

}

else if(mealtype == 3)

{

Console.WriteLine("Enter quantity:");

int quantity = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Your bill amount is: "+ quantity \* 40);

payment();

}

else

{

Console.WriteLine("Enter valid number");

}

}

//nonveg

else if (meal == 'B' || meal=='b')

{

Console.WriteLine("\nPress 1 for Chicken Sandwich");

Console.WriteLine("\nPress 2 for Chicken Biriyani");

Console.WriteLine("\nPress 3 for Parotta ChickenCurry");

int mealtype = Convert.ToInt32(Console.ReadLine());

if (mealtype == 1)

{

Console.WriteLine("Enter quantity:");

int quantity = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Your bill amount is: " + quantity \* 120);

payment();

}

else if (mealtype == 2)

{

Console.WriteLine("Enter quantity:");

int quantity = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Your bill amount is: " + quantity \* 150);

payment();

}

else if (mealtype == 3)

{

Console.WriteLine("Enter quantity:");

int quantity = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Your bill amount is: " + quantity \* 140);

payment();

}

else

{

Console.WriteLine("Enter valid number");

}

}

//fastfood

else if (meal == 'C' || meal =='c')

{

Console.WriteLine("\nPress 1 for FriedRice");

Console.WriteLine("\nPress 2 for Noodels");

Console.WriteLine("\nPress 3 for Burmi");

int mealtype = Convert.ToInt32(Console.ReadLine());

if (mealtype == 1)

{

Console.WriteLine("Enter quantity:");

int quantity = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Your bill amount is: " + quantity \* 120);

payment();

}

else if (mealtype == 2)

{

Console.WriteLine("Enter quantity:");

int quantity = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Your bill amount is: " + quantity \* 150);

payment();

}

else if (mealtype == 3)

{

Console.WriteLine("Enter quantity:");

int quantity = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Your bill amount is: " + quantity \* 140);

payment();

}

else

{

Console.WriteLine("Enter valid number");

}

}

else

{

Console.WriteLine("Enter a valid character");

}

}

public void payment()

{

Console.WriteLine("\nEnter a payment mode:");

Console.WriteLine("\nPress 1 for cash");

Console.WriteLine("\nPress 2 for NB");

Console.WriteLine("\nPress 3 for UPI");

Console.WriteLine("\nPress 4 for card");

int pay=Convert.ToInt32(Console.ReadLine());

if(pay == 1 || pay ==2 || pay ==3 || pay==4) {

Console.WriteLine("Payment Successfull!\nThank you for ordering!!");

}

}

public void Admin()

{

int password = 1234;

Console.WriteLine("Enter password:");

int pass=Convert.ToInt32(Console.ReadLine());

if(pass == password)

{

fetch();

}

else

{

Console.WriteLine("Password Incorrect");

Console.WriteLine("Enter the correct password:");

int pass1= Convert.ToInt32(Console.ReadLine());

if(pass1==password)

{

fetch();

}

}

}

public void fetch()

{

Console.WriteLine("Enter a number:");

Console.WriteLine("1.View menu");

Console.WriteLine("2.Add an item to menu");

Console.WriteLine("3.View customer details");

Console.WriteLine("4.Add customer details");

for (int i= 0;i<5;i++)

{

int num=Convert.ToInt32(Console.ReadLine());

switch(num)

{

case 1:

viewmenu();

break;

case 2:

Addmenuitem();

break;

case 3:

Viewcusdet(); break;

case 4:

Addcusdet();

break;

}

}

}

public void Viewcusdet()

{

da = new SqlDataAdapter("select \* from customer\_det", conn);

ds = new DataSet();

da.Fill(ds, "customer\_det");

Console.WriteLine("\nCustomer details:\n");

foreach (DataRow dr in ds.Tables["customer\_det"].Rows)

{

Console.WriteLine(dr[0].ToString() + " " + dr[1].ToString() + " " + dr[2].ToString());

}

}

public void viewmenu()

{

da = new SqlDataAdapter("select \* from product", conn);

ds = new DataSet();

da.Fill(ds, "product");

Console.WriteLine("\nMenu:\n");

foreach (DataRow dr in ds.Tables["product"].Rows)

{

Console.WriteLine(dr[0].ToString() + " " + dr[1].ToString() + " " + dr[2].ToString()+" " + dr[3].ToString()+" " + dr[4].ToString());

}

}

public void Addcusdet()

{

string queryString = "INSERT INTO customer\_det " +

"(name, mob\_num,city) Values('john', '987604','madras')";

SqlCommand command = new SqlCommand(queryString, conn);

Int32 recordsAffected = command.ExecuteNonQuery();

Console.WriteLine("Updated ");

}

public void Addmenuitem()

{

string queryString = "INSERT INTO product " +

"(p\_id,c\_id,type\_id,p\_name,cost) Values(20, 'A',1,'poori',30)";

SqlCommand command = new SqlCommand(queryString, conn);

Int32 recordsAffected = command.ExecuteNonQuery();

Console.WriteLine("Updated ");

}

}

}

**DRIVER CODE:**

using Food;

using System.Configuration;

using System.Data;

using System.Data.SqlClient;

using System.Text;

class Program

{

public static void Main(string[] args)

{

foodportal foodportal = new foodportal();

foodportal.OpenConn();

foodportal.createtable();

foodportal.inserttable();

foodportal.Cusadmin();

}

}

**OUTPUT:**





