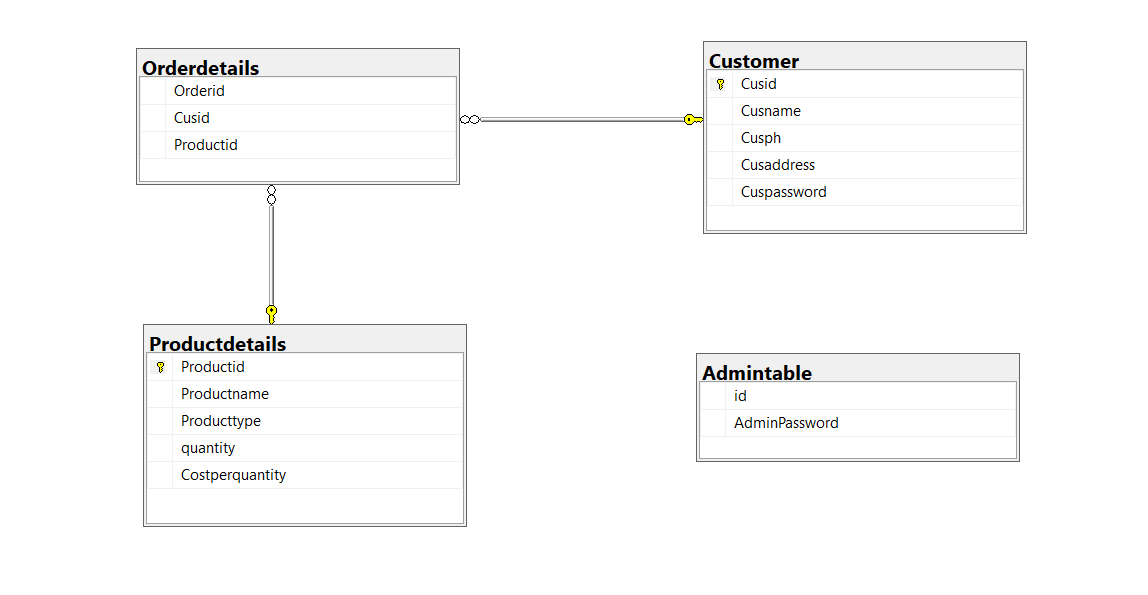
**ONLINE SHOPPING MART**

**DATABASE SCHEMA**

****

namespace FinalProject

{

internal interface Interface1

{

public void Login();

public void Signup();

public void ForgotPassword();

}

}

namespace FinalProject

{

internal class Class1 : Interface1

{

SqlConnection conn;

public void openconn()

{

conn = new SqlConnection("data source=KBRKANNAN\\SQLEXPRESS;" + "database=FinalProject;" + "integrated security=SSPI;");

Console.WriteLine("Opened");

}

public void Login()

{

Console.WriteLine("---------------------------------------");

Console.WriteLine("-----AB ONLINE SHOPPING-----");

Console.WriteLine("----CHOOSE YOUR TYPE----");

Console.WriteLine("---------------------------------------");

Console.WriteLine("1. CUSTOMER");

Console.WriteLine("2. ADMIN");

Console.WriteLine("3. NEW CUSTOMER");

Console.WriteLine("---------------------------------------");

int choice;

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

switch (choice)

{

case 1:

Loginascustomer();

break;

case 2:

Loginasadmin();

break;

case 3:

Signup();

break;

default:

Console.WriteLine("Enter valid details");

break;

}

}

public void Signup()

{

int id;

Console.WriteLine("Enter your name");

string name;

name = Console.ReadLine();

Console.WriteLine("Enter your address");

string address,password;

address = Console.ReadLine();

Console.WriteLine("Enter your password");

password= Console.ReadLine();

Console.WriteLine("Enter your Phone Number");

BigInteger Phonenumber;

Phonenumber = Convert.ToInt64(Console.ReadLine());

conn.Open();

SqlCommand command = new SqlCommand($"insert into Customer(Cusname,Cusph,Cusaddress,Cuspassword) values('{name}',{Phonenumber},'{address}','{password}')", conn);

command.ExecuteNonQuery();

Console.WriteLine("Successfully Registered");

command = new SqlCommand($"select Cusid from Customer where Cusph={Phonenumber}", conn);

SqlDataReader reader= command.ExecuteReader();

while(reader.Read())

{

id = (int)reader[0];

Console.WriteLine("---------------------------------------");

Console.WriteLine("Your User Id is " + id);

Console.WriteLine("---------------------------------------");

}

conn.Close();

Viewproduct();

}

public void Loginascustomer()

{

int counter = 0;

Console.WriteLine("---------------------------------------");

Console.WriteLine("---Enter your User Id---");

Console.WriteLine("---------------------------------------");

int user;

string pass;

user = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("---------------------------------------");

Console.WriteLine("---Enter your password---");

Console.WriteLine("---------------------------------------");

pass = Console.ReadLine();

SqlDataAdapter da = new SqlDataAdapter("select Cusid,Cuspassword from Customer", conn);

DataSet ds = new DataSet();

da.Fill(ds, "newcopy");

SqlCommandBuilder cmd = new SqlCommandBuilder(da);

List<string> list = new List<string>();

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

{

list.Add(dr[0].ToString());

list.Add(dr[1].ToString());

}

for (int i = 0; i < list.Count; i++)

{

if (list[i] == Convert.ToString(user) && list[i + 1] == pass)

{

Console.WriteLine("---------------------------------------");

Console.WriteLine("---Logged in successfully---");

Console.WriteLine("---------------------------------------");

Viewproduct();

break;

}

else

{

counter++;

}

}

if (counter > 0)

{

Console.WriteLine("---------------------------------------");

Console.WriteLine("-----Not a valid Customer-----");

Console.WriteLine("1. Try Again");

Console.WriteLine("2. Forgot Password");

Console.WriteLine("---------------------------------------");

int choice;

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

switch (choice)

{

case 1:

Login();

break;

case 2:

ForgotPassword();

break;

default:

Console.WriteLine("Enter correct choice");

break;

}

}

}

public void Loginasadmin()

{

Console.WriteLine("---------------------------------------");

Console.WriteLine("Enter your User ID");

int username;

username = Convert.ToInt32(Console.ReadLine());

string password;

Console.WriteLine("Enter your password");

password = Console.ReadLine();

if (username == 143 && password == "boopathi55")

{

Console.WriteLine("Logged in successfully");

Console.WriteLine("Choose your choice");

Console.WriteLine("1. View all Products");

Console.WriteLine("2. Add new Products");

int choice;

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

switch(choice)

{

case 1: RandomProduct();

break;

case 2:

Addproducts();

break;

default:

Console.WriteLine("Enter Correct Choice");

Login();

break;

}

}

else

{

Console.WriteLine("---------------------------------------");

Console.WriteLine("Invalid Username and Password");

Console.WriteLine("Try Again");

Console.WriteLine("---------------------------------------");

Loginasadmin();

}

}

public void ForgotPassword()

{

List<double> list = new List<double>();

SqlDataAdapter da = new SqlDataAdapter("select Cusph from Customer", conn);

DataSet ds = new DataSet();

da.Fill(ds, "newcopy");

SqlCommandBuilder cmd = new SqlCommandBuilder(da);

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

{

double number;

number = Convert.ToDouble(dr[0].ToString());

list.Add(number);

}

Console.WriteLine("Enter Your Phone Number");

double ph;

ph = Convert.ToInt64(Console.ReadLine());

int count = 0;

for (int i = 0; i < list.Count; i++)

{

if (ph == list[i])

{

Console.WriteLine("Valid Customer");

count++;

break;

}

}

if (count > 0)

{

Random r = new Random();

int Otp, EnterOtp;

Otp = r.Next(000000, 999999);

Console.WriteLine(Otp);

Console.WriteLine("Enter your otp");

EnterOtp = Convert.ToInt32(Console.ReadLine());

if (EnterOtp == Otp)

{

Console.WriteLine("OTP Verified");

string newpassword;

Console.WriteLine("Enter new Password");

newpassword = Console.ReadLine();

using (SqlCommand command = new SqlCommand("UPDATE Customer SET Cuspassword = @Password WHERE Cusph = @Cusph", conn))

{

conn.Open();

command.Parameters.AddWithValue("@Password", newpassword);

command.Parameters.AddWithValue("@Cusph", ph);

int rowsAffected = command.ExecuteNonQuery();

conn.Close();

}

Console.WriteLine("---------------------------------------");

Console.WriteLine("----------Password Updated----------");

Console.WriteLine("---------------------------------------");

Viewproduct();

}

else

{

Console.WriteLine("---------------------------------------");

Console.WriteLine("Wrong OTP");

Console.WriteLine("---------------------------------------");

}

}

}

public void Desiredproduct()

{

int count=0;

Console.WriteLine("Search your products");

string searching;

searching = Console.ReadLine();

Console.WriteLine("---------------------------------------");

Console.WriteLine("Product ID Product Name Cost Per Quantity");

Console.WriteLine("---------------------------------------");

using (SqlCommand command = new SqlCommand("select Productid, Productname,Costperquantity from Productdetails where Producttype=@search", conn))

{

conn.Open();

command.Parameters.AddWithValue("@search", searching);

SqlDataReader s = command.ExecuteReader();

while (s.Read())

{

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

count++;

}

conn.Close();

}

Order();

}

public void RandomProduct()

{

SqlDataAdapter da = new SqlDataAdapter("select Productid,Productname,Costperquantity from Productdetails", conn);

DataSet ds = new DataSet();

da.Fill(ds, "newcopy");

SqlCommandBuilder cmd = new SqlCommandBuilder(da);

Console.WriteLine("Product Id Product Name Cost");

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

{

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

}

Console.WriteLine("To Logout Press 1");

int n;

n = Convert.ToInt32(Console.ReadLine());

Login();

}

public void Viewproduct()

{

Console.WriteLine("---------------------------------------");

Console.WriteLine("-----Search to display the items-----");

Console.WriteLine("1. Search your desired product");

Console.WriteLine("2. Randomly show the products available");

Console.WriteLine("---------------------------------------");

int choice;

choice = Convert.ToInt16(Console.ReadLine());

switch (choice)

{

case 1:

Desiredproduct();

break;

case 2:

RandomProduct1();

break;

default:

Console.WriteLine("---------------------------------------");

Console.WriteLine("-----Not a valid one-----");

Console.WriteLine("---------------------------------------");

Viewproduct();

break;

}

}

public void Addproducts()

{

Console.WriteLine("---------------------------------------");

Console.WriteLine("-----Adding Products-----");

Console.WriteLine("---------------------------------------");

string productname, producttype;

int Quantity;

SqlMoney costperquantity;

Console.WriteLine("Enter the Product Name");

productname= Console.ReadLine();

Console.WriteLine("Enter the Product Type");

producttype= Console.ReadLine();

Console.WriteLine("Enter the Quantity of the Product");

Quantity=Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter the Cost Per Quantity");

costperquantity=Convert.ToInt64(Console.ReadLine());

using (SqlCommand command = new SqlCommand("insert into Productdetails(Productname,Producttype,quantity,Costperquantity) values(@proname,@protype,@Quan,@cost)", conn))

{

conn.Open();

command.Parameters.AddWithValue("@proname", productname);

command.Parameters.AddWithValue("protype", producttype);

command.Parameters.AddWithValue("@Quan", Quantity);

command.Parameters.AddWithValue("@cost", costperquantity);

command.ExecuteNonQuery();

Console.WriteLine("---------------------------------------");

Console.WriteLine("Product Added");

Console.WriteLine("---------------------------------------");

conn.Close();

}

Console.WriteLine("To Logout press 1");

int n;

n = Convert.ToInt32(Console.ReadLine());

Login();

}

public void RandomProduct1()

{

SqlDataAdapter da = new SqlDataAdapter("select Productid,Productname,Costperquantity from Productdetails", conn);

DataSet ds = new DataSet();

da.Fill(ds, "newcopy");

SqlCommandBuilder cmd = new SqlCommandBuilder(da);

Console.WriteLine("Product Id Product Name Cost");

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

{

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

}

Order();

}

public void Order()

{

int Exit = 1;

decimal TotalAmount = 0,temp=0;

int cusid;

Console.WriteLine("---------------------------------------");

Console.WriteLine("Enter the your Customer Id");

cusid = Convert.ToInt32(Console.ReadLine());

newlist();

void newlist()

{

if (Exit != 0)

{

Console.WriteLine("---------------------------------------");

Console.WriteLine("Enter the Product Id to Order");

int Productid;

Productid = Convert.ToInt32(Console.ReadLine());

using (SqlCommand command = new SqlCommand("insert into Orderdetails(Cusid,Productid) values(@cus,@proid)", conn))

{

SqlCommand command1;

conn.Open();

command.Parameters.AddWithValue("@cus", cusid);

command.Parameters.AddWithValue("@proid", Productid);

command.ExecuteNonQuery();

Console.WriteLine("---------------------------------------");

Console.WriteLine("Product added to cart");

Console.WriteLine("---------------------------------------");

using (SqlCommand cmd = new SqlCommand("select Costperquantity from Productdetails where Productid=@proid", conn))

{

cmd.Parameters.AddWithValue("@proid", Productid);

SqlDataReader reader = cmd.ExecuteReader();

while (reader.Read())

{

temp = (decimal)reader[0];

}

reader.Close();

TotalAmount = temp + TotalAmount;

}

conn.Close();

}

/\*SqlDataAdapter da = new SqlDataAdapter($"select Costperquantity from Productdetails where Productid={Productid})", conn);

DataSet ds = new DataSet();

da.Fill(ds, "newcopy");

SqlCommandBuilder cmd = new SqlCommandBuilder(da);

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

{

temp = (double)dr[0];

}

TotalAmount = temp + TotalAmount;\*/

Console.WriteLine("---------------------------------------");

Console.WriteLine("To Add More Products Press 1, To Exit Press 0 and Continue to Payment");

Exit = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("---------------------------------------");

newlist();

}

}

Console.WriteLine("---------------------------------------");

Console.WriteLine("Total Amount to be Paid " + TotalAmount);

Console.WriteLine("---------------------------------------");

Console.WriteLine("1. Cash On Delivery");

Console.WriteLine("2. Debit/Credit Card");

Console.WriteLine("3. UPI Pay");

Console.WriteLine("---------------------------------------");

int choice;

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

if (choice != null)

{

Console.WriteLine("---------------------------------------");

Console.WriteLine("Payment Successfull");

Console.WriteLine("Thank You Visit Again!");

Console.WriteLine("---------------------------------------");

}

Console.WriteLine("Press 1 to Logout");

Console.WriteLine("Press any Number to Exit");

int n;

n= Convert.ToInt32(Console.ReadLine());

if (n != 0)

Login();

else { Console.WriteLine(); }

}

}

}

class Final

{

public static void Main(string[] args)

{

Class1 c=new Class1();

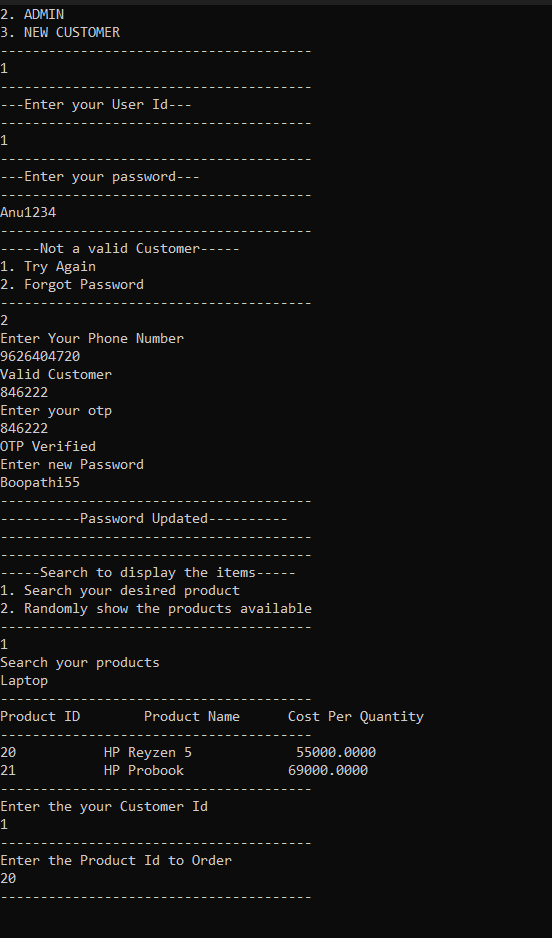
c.openconn();

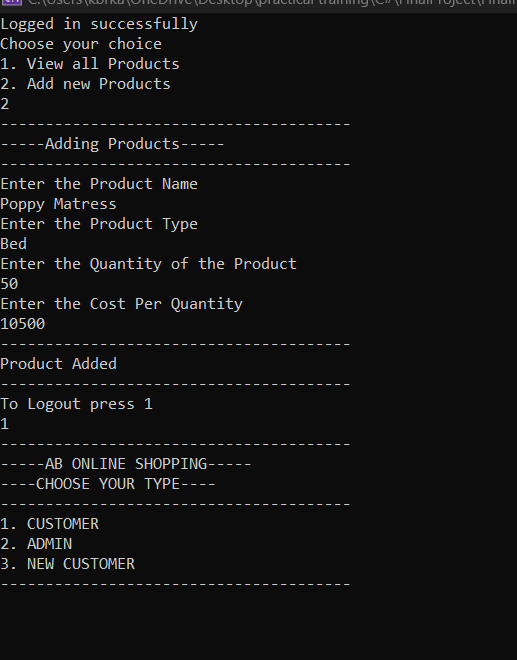
c.Login();

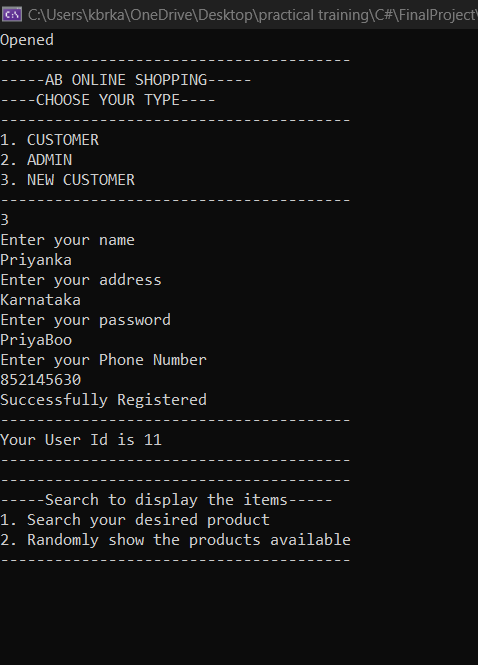
}

}

**OUTPUT**

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