1. INTRODUCTION

1.1 Overview

This project allows the users to view the different varieties of electronic gadgets and their pricelists. On deciding the product, the user need to add the quantity of the product required to the cart.
After finalizing the cart, the user needs to share the delivery address details after which a payment dialogue box will appear. On making the payment, the user can choose different modes of payment such as cash on Delivery.
Once the detailed is filled, the user gets a confirmation that the order has been placed successfully.

1.2 Objectives

To develop a web-based application which includes:

- Secure authentication of the user
- Ability to register oneself if new to the website
- electronic gadgets view and price list
- Ability to place the order
- Secure payment

1.3 Methodology

A software development methodology or system development methodology in software engineering is a framework that is used to structure, plan, and control the process of developing an information system. Every software development methodology framework act as a basis for applying specific approaches to develop and maintain software. Several software development approaches have been used since the origin of information technology. These are

Waterfall: a linear framework
Prototyping: an iterative framework
Incremental: a combined linear-iterative framework
Spiral: a combined linear-iterative framework
Rapid application development (RAD): an iterative framework
Extreme Programming

1.4 Waterfall Development

The Waterfall model is a sequential development approach, in which development is seen as flowing steadily downwards (like a waterfall) through the phases of requirements analysis, design, implementation, testing (validation), integration, and maintenance.

The basic principles are:

- The project is divided into sequential phases, with some overlap and splash back acceptable between phases.
- Emphasis is on planning, time schedules, target dates, budgets, and implementation of an entire system at one time.
- Tight control is maintained over the life of the project via extensive written documentation, formal reviews, and approval/signoff by the user and information technology management occurring at the end of most phases before beginning the next phase.

1.4 Prototyping

Software prototyping, is the development approach of activities during software development, the creation of prototypes, i.e., incomplete versions of the software program being developed.

The basic principles are:

- Not a standalone, complete development methodology, but rather an approach to handling selected parts of a larger, more traditional development methodology (i.e., incremental, spiral, or rapid application development (RAD)).
- Attempts to reduce inherent project risk by breaking a project into smaller segments and providing more ease of change during the development process.
- The user is involved throughout the development process, which increases the likelihood of user acceptance of the final implementation.
- Small-scale mock-ups of the system are developed following an iterative modification process until the prototype evolves to meet the users' requirements.
- While most prototypes are developed with the expectation that they will be discarded, it is possible in some cases to evolve from prototype to working system.
- A basic understanding of the fundamental business problem is necessary to avoid solving the wrong problem

1.5 Incremental development

Various methods are acceptable for combining linear and iterative systems development methodologies, with the primary objective of each being to reduce inherent project risk by breaking a project into smaller segments and providing more ease-of-change during the development process. The basic principles are:

- A series of mini-Waterfalls are performed, where all phases of the Waterfall are completed for a small part of a system, before proceeding to the next increment, or
- Overall requirements are defined before proceeding to evolutionary, mini-Waterfall development of individual increments of a system, or
- The initial software concept, requirements analysis, and design of architecture and system core are defined via Waterfall, followed by iterative Prototyping, which culminates in installing the final prototype, a working system.

1.7 Spiral development

The spiral model is a software development process combining elements of both design and prototyping-in-stages, in an effort to combine advantages of top-down and bottom-up concepts.
The basic principles are:

- Focus is on risk assessment and on minimizing project risk by breaking a project into smaller segments and providing more ease-of-change during the development process, as well as providing the opportunity to evaluate risks and weigh consideration of project continuation throughout the life cycle.
- "Each cycle involves a progression through the same sequence of steps, for each partof the product and for each of its levels of elaboration, from an overall concept-of- operation document down to the coding of each individual program."
- Each trip around the spiral traverses four basic quadrants: (1) determine objectives, alternatives, and constraints of the iteration; (2) evaluate alternatives; Identify and resolve risks; (3) develop and verify deliverables from the iteration, and (4) plan the next iteration.
- Begin each cycle with an identification of stakeholders and their win conditions, and end each cycle with review and commitment

1.8 Rapid application development

Rapid application development (RAD) is a software development methodology, which involves iterative development and the construction of prototypes.
The basic principles are:

- The key objective is for fast development and delivery of a high-quality system at a relatively low investment cost.
- Attempts to reduce inherent project risk by breaking a project into smaller segments and providing more ease-of-change during the development process.
- Aims to produce high-quality systems quickly, primarily via iterative Prototyping (at any stage of development), active user involvement, and computerized development tools. These tools may include Graphical User Interface (GUI) builders, Computer- Aided Software Engineering (CASE) tools, Database Management Systems (DBMS),fourth-generation programming languages, code generators, and object-oriented techniques.
- Key emphasis is on fulfilling the business need, while technological or engineering excellence is of lesser importance.
- Project control involves prioritizing development and defining delivery deadlines or "timeboxes". If the project starts to slip, emphasis is on reducing requirements to fit the timebox, not in increasing the deadline.

1.8 Agile development methodology

Teams use the agile development methodology to minimize risk (such as bugs, cost overruns,and changing requirements) when adding new functionality.

In all agile methods, teams develop the software in iterations that contain mini-increments of the new functionality.

There are many different forms of the agile development method, including scrum, crystal, extreme programming (XP), and feature-driven development (FDD).

- Pros: The primary benefit of agile software development is that it allows the software to be released in iterations. Iterative releases improve efficiency by allowing teams to find and fix defects and align expectations early on. They also allow users to realize software benefits earlier, with frequent incremental improvements.
- Cons: Agile development methods rely on real-time communication, so new users often lack the documentation they need to get up to speed. They require a huge time commitment from users and are labor-intensive because developers must fully complete each feature within each iteration for user approval.

Agile development methods are similar to rapid application development and can being efficient in large organizations.

The SCRUM method can be used to manage the project or as a method of software development. Scrum is an agile process that allows business ideas to be delivered in a short period of time. Authors have shown the design and development of an Online Shopping System based on Browser/Server model. The client only needs one Browser under the B/S model, and the browser interacts data with the database through Web Server.

ENVIRONMENT SPECIFICATION

2.1. Hardware Specifications

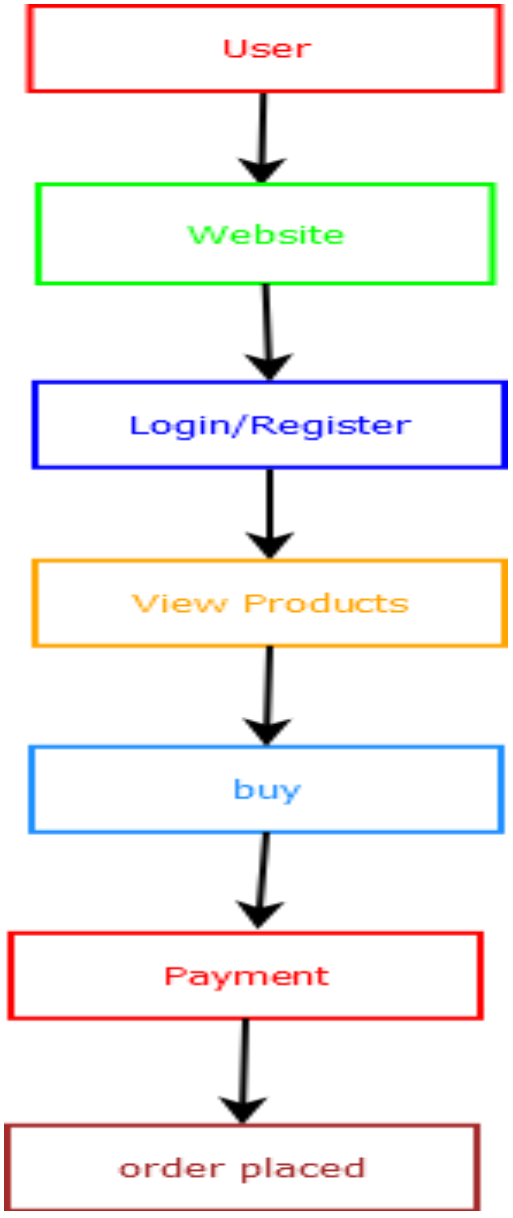
- MONITOR : LCD Monitor
- PROCESSOR : Intel® Core™ i5
- RAM : 8.00 GB
- HARD DISK : 64 GB or more

2.2. Software Specifications

- OPERATING SYSTEM : Windows 10 Microsoft
- PLATFORM : Microsoft Visual Studio
- CODING LANGUAGE : Dotnet, CSS, Html
- BACK END : Microsoft Sql Server Management
:

3. SOFTWARE DEVELOPMENT METHODOLOGY

3.1 Process flow diagram



3.2 Functional requirements

User Stories

- As a user, I must be able to authenticate myself against the website using my credentials.
- ***Acceptance Criteria:***

  Must enter valid credentials
  - Must have access to the website
  - Must be alerted if wrong credentials are entered
  - As a user, I must be able to register myself against the website if I am a new user
- ***Acceptance Criteria***:
  - Must fill all the required details on the page
  - Must have access to the website
  - As a user, I must be able to buy my desired products.
- ***Acceptance Criteria:***
  - Must have logged into the website
  - Must access to products page
  - As a user, I must be able to contact the support to give my suggestions and feedback.
- ***Acceptance Criteria***:
  - Must have logged into the website
  - Must have access to the website
  - Must have been redirected to the buying page from buy page
  - As a user, I must be able to make payment for the electronic product.
- ***Acceptance Criteria***:
  - Must have logged into the website
  - Must have access to the website
  - Must have been redirected to the payment page from cart page

3.4 Non-Functional Requirements

- **Availability**
- Website has to be tested for defects and fixed, the downtime is low and therefore is available.

- **Design**
- Better component design to get better performance.

- **Flexible**
- Flexible service-based architecture will be highly desirable for future extensions.

- **Maintainability**
- Ease of maintenance is required.

- **Portability**
- The tool must be available on various operating systems. Easy handling Being able to manage and handle the tool easily.

4. SYSTEM DESIGN

For the system that we have designed, the various modules and components are interconnected in various stages of the architecture. Modules and components: Authentication (Registration and Login), Home, products, cart, buy and Payment.

Authentication (Registration and Login) – This module is the first page of the website where the user can login using the credentials or register.

Home – This is the page to which the user is redirected after successful login of the user. The page also contains about us and contact us.

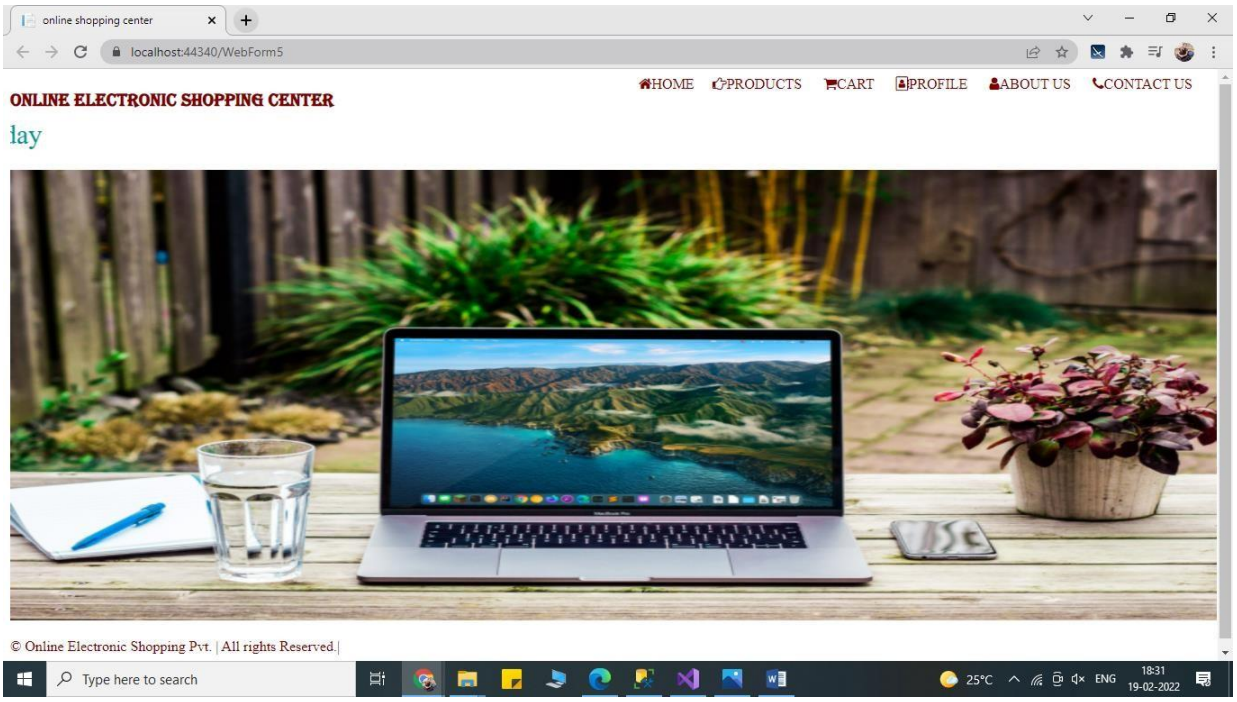
Products – This is the page where the user can view all the available products

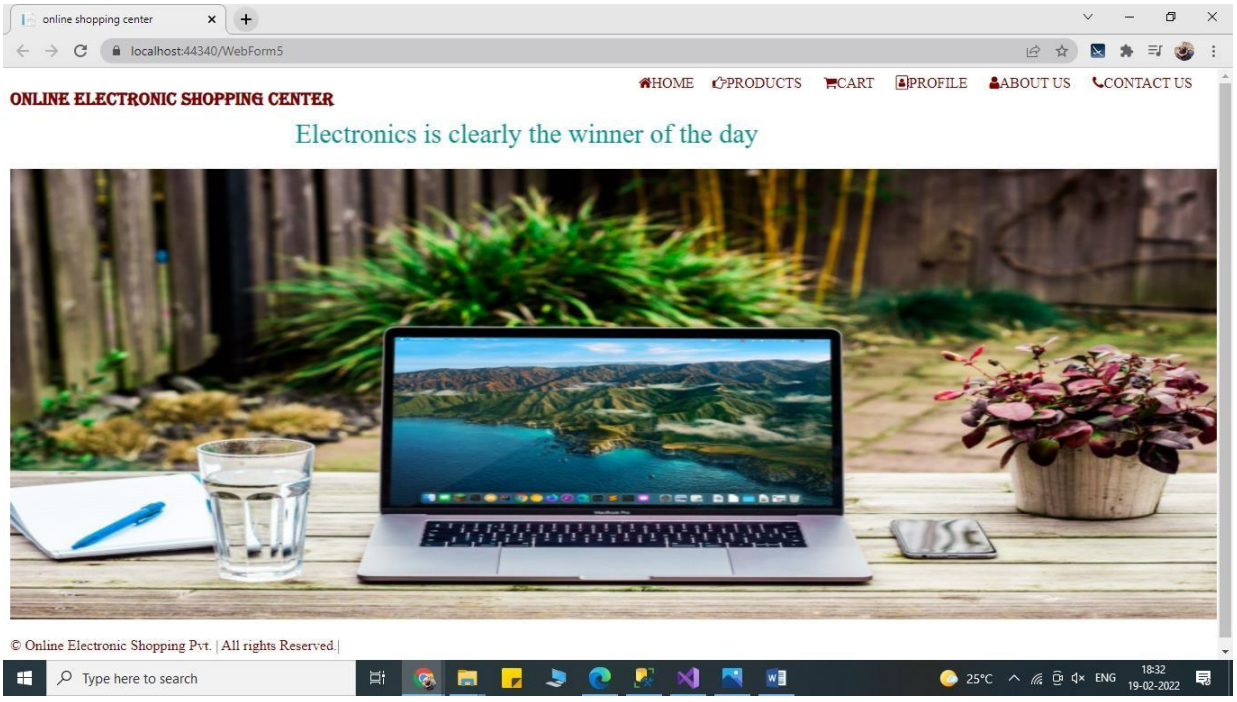
AddtoCart-This is the cart page in which selected item by user will be stored.

Payment – This is the page where the user will make the payment for the products.

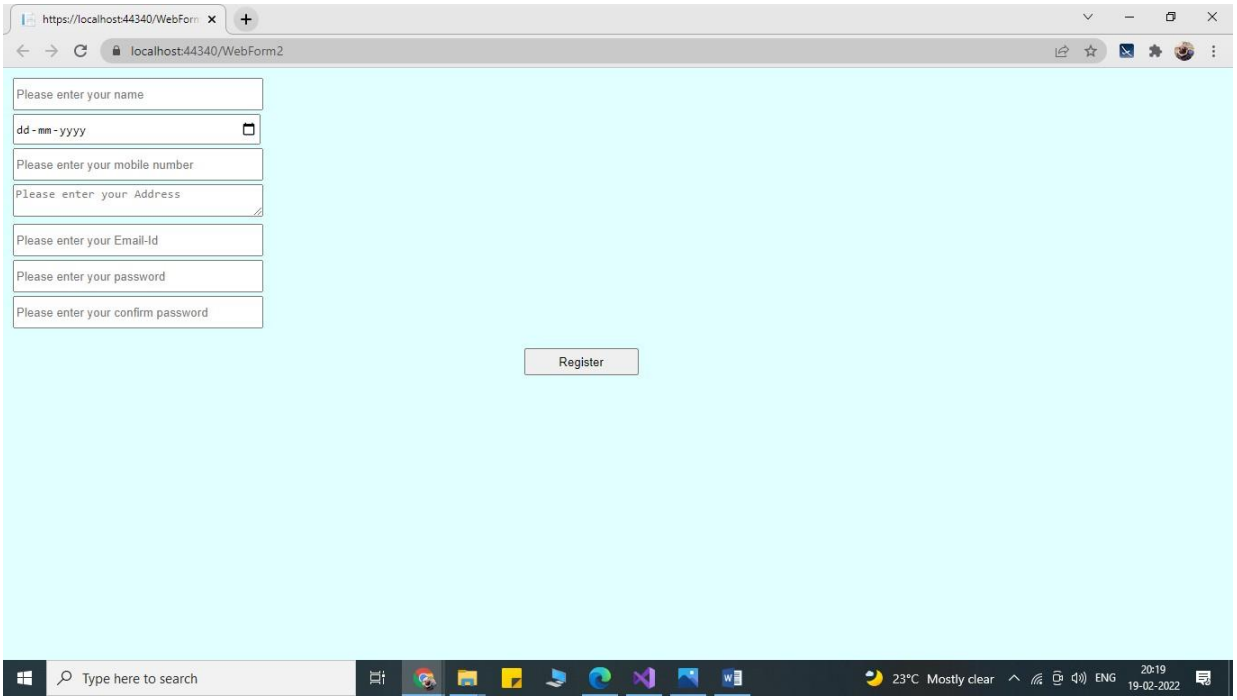
4.1. USER INTERFACE

Master Page:-

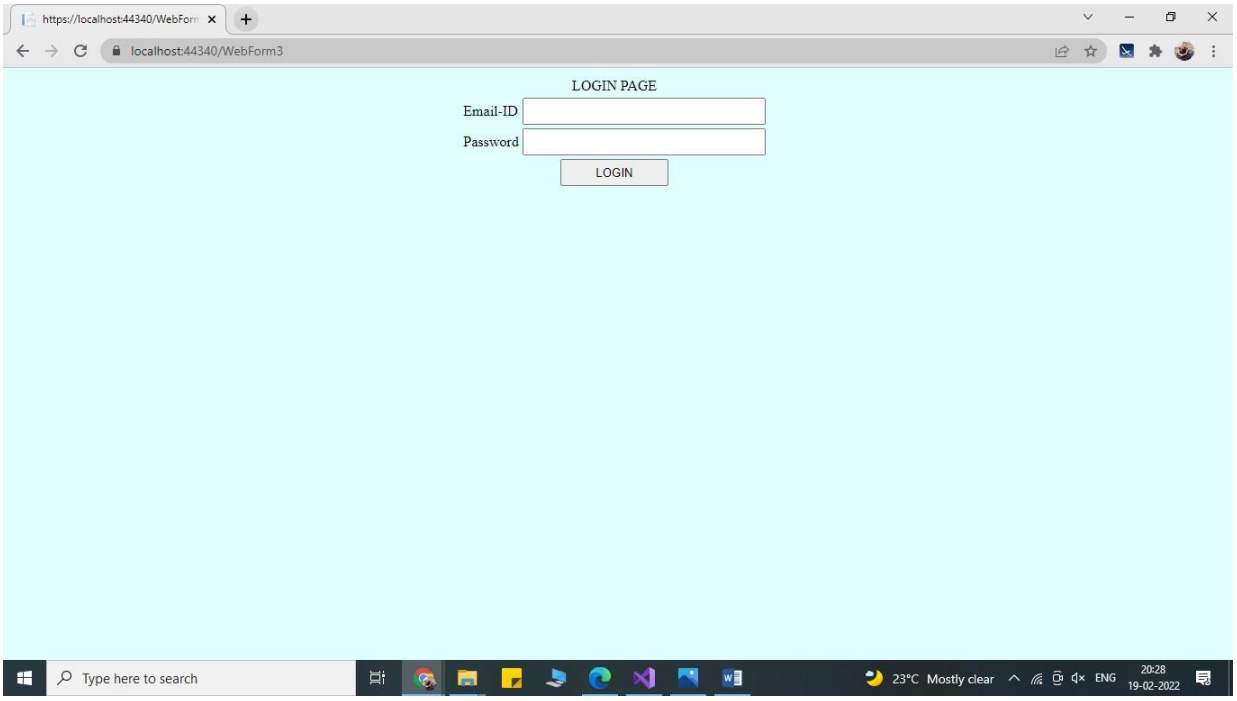




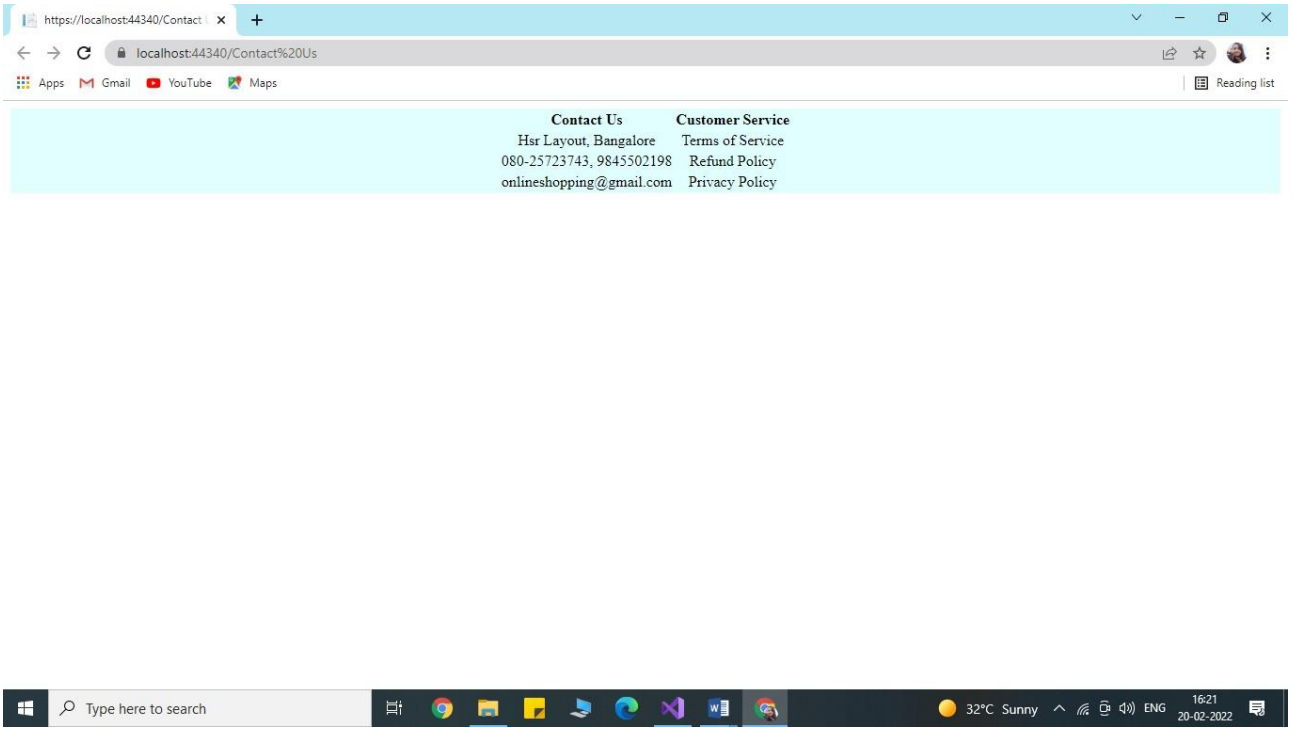
Register page:



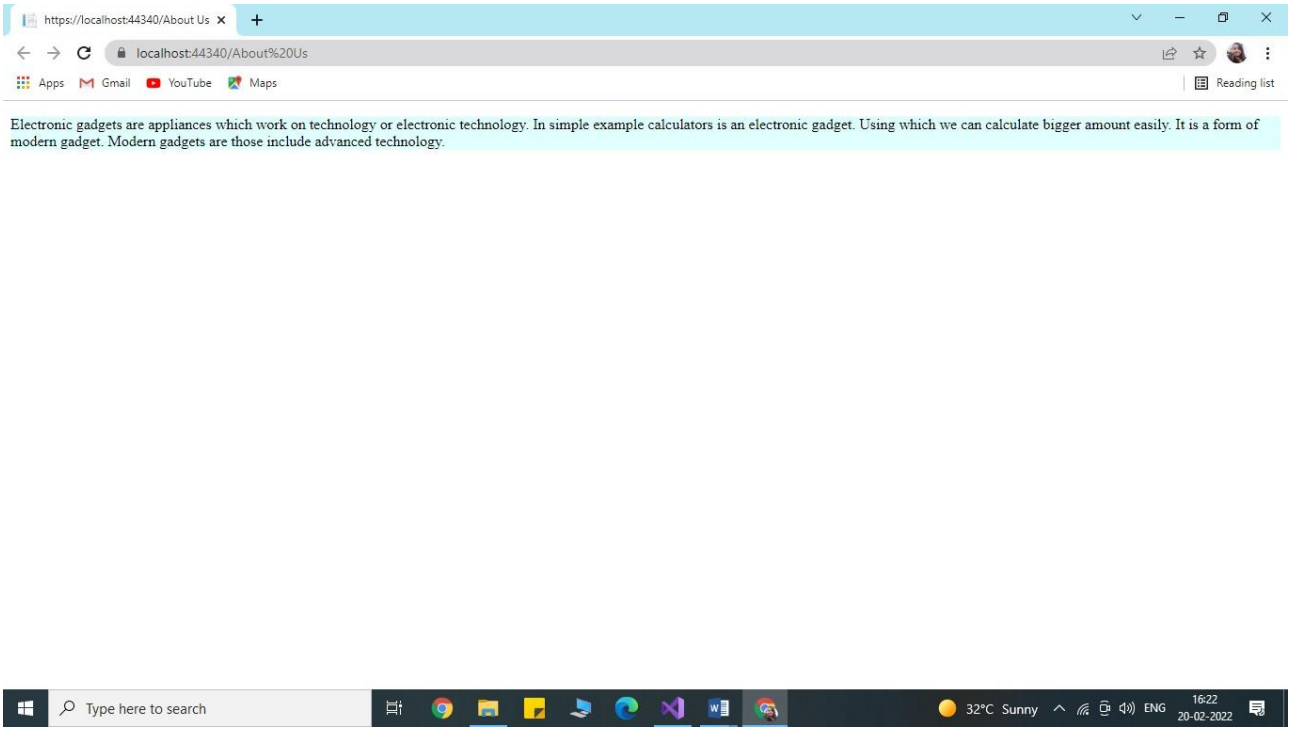
Login page:-



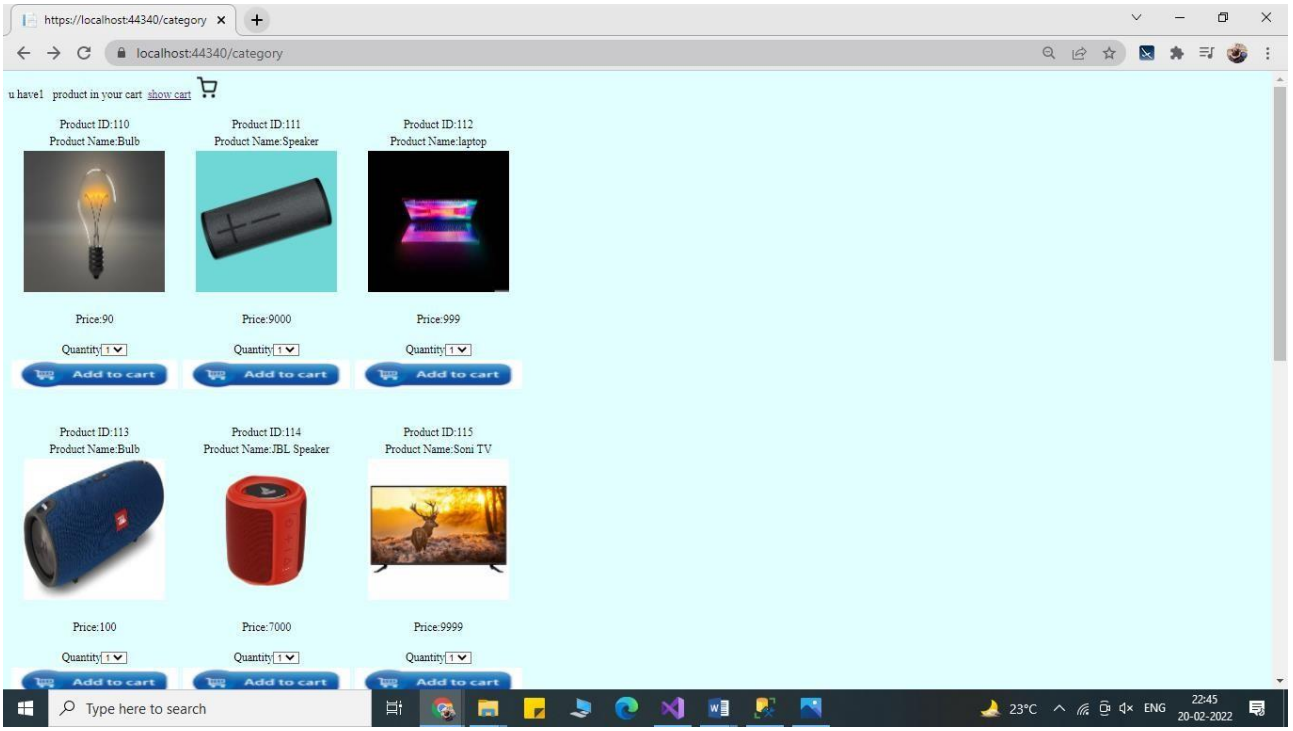
Contact Us:-

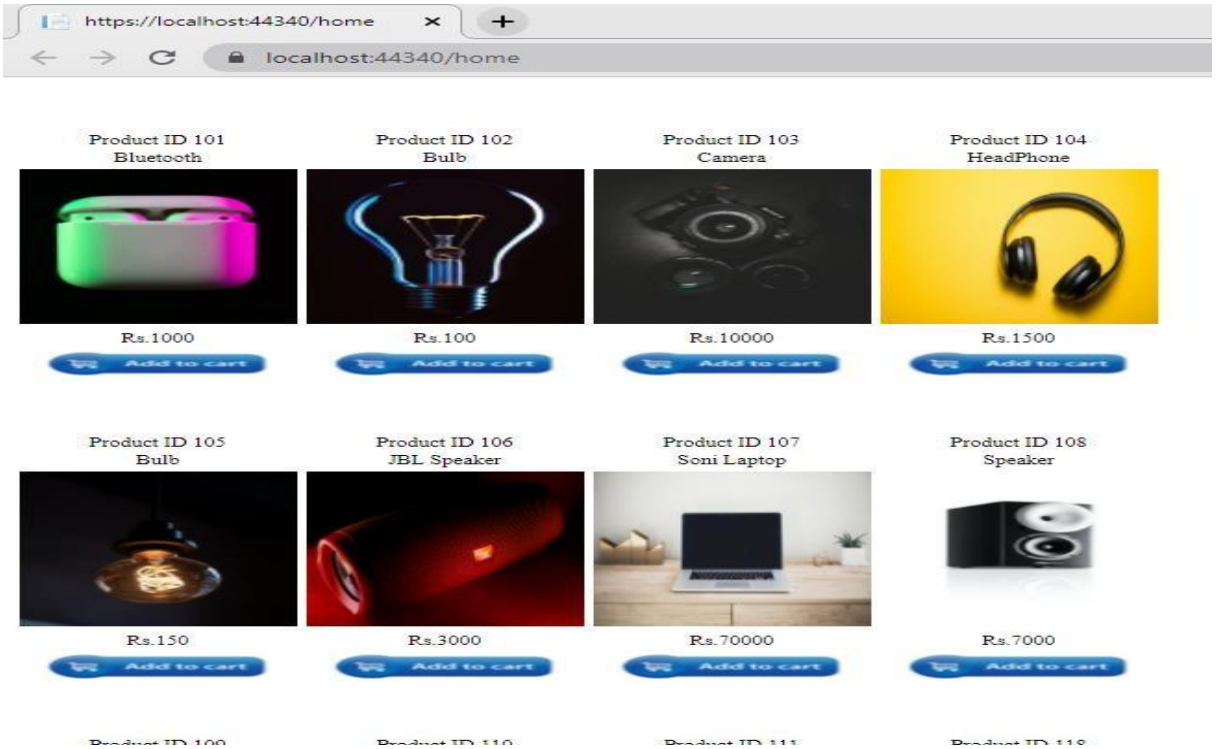


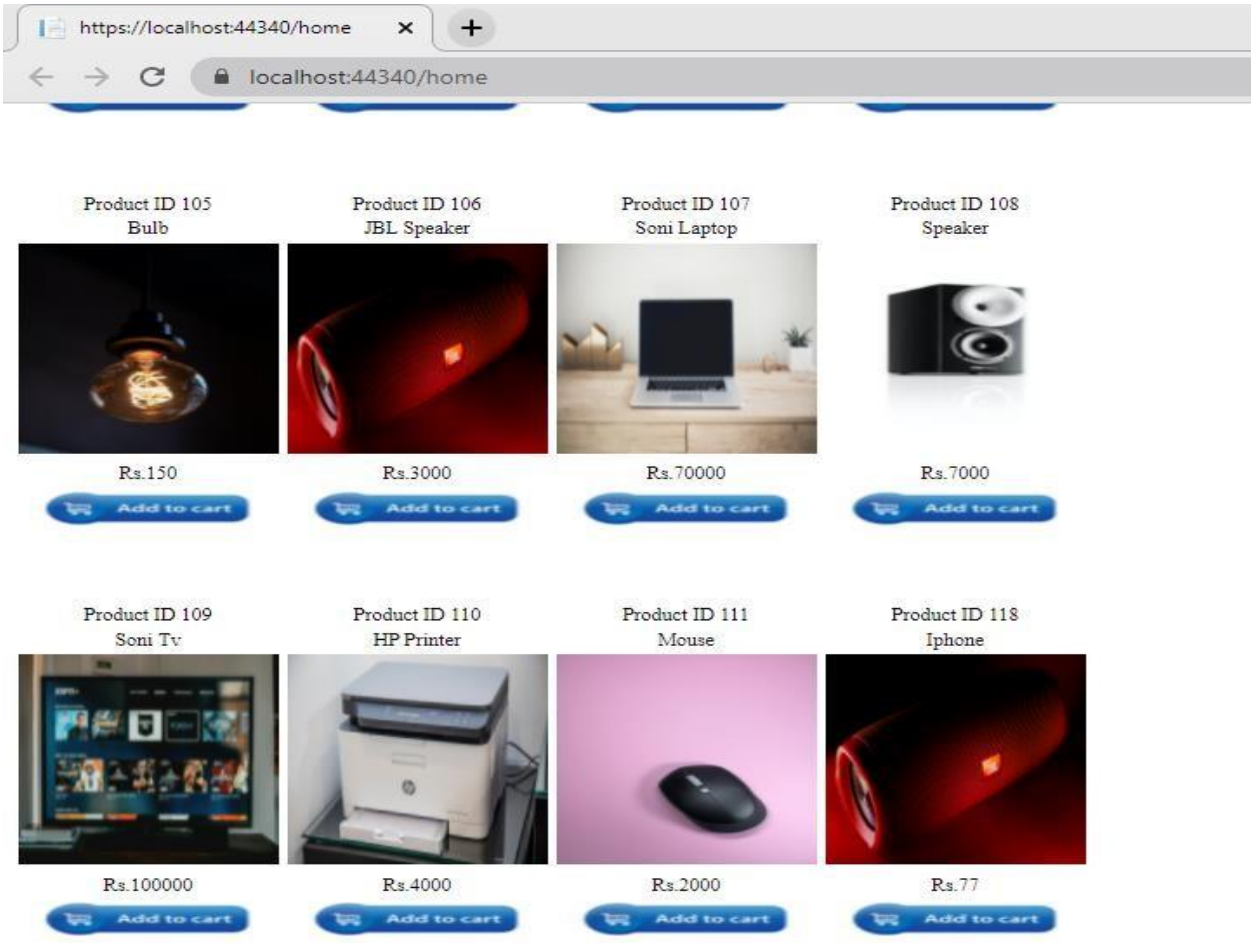
About Us:-



Homepage:-


https://localhost:44340/category
localhost:44340/category
u have1 product in your cart show cart
Product ID:110
Product Name:Bulb
Price:90
Quantity 1
Add to cart
Product ID:111
Product Name:Speaker
Price:9000
Quantity 1
Add to cart
Product ID:112
Product Name:laptop
Price:999
Quantity 1
Add to cart
Product ID:113
Product Name:Bulb
Price:100
Quantity 1
Add to cart
Product ID:114
Product Name:JBL Speaker
Price:7000
Quantity 1
Add to cart
Product ID:115
Product Name:Soni TV
Price:9999
Quantity 1
Add to cart
Type here to search
23°C
ENG
22:45
20-02-2022

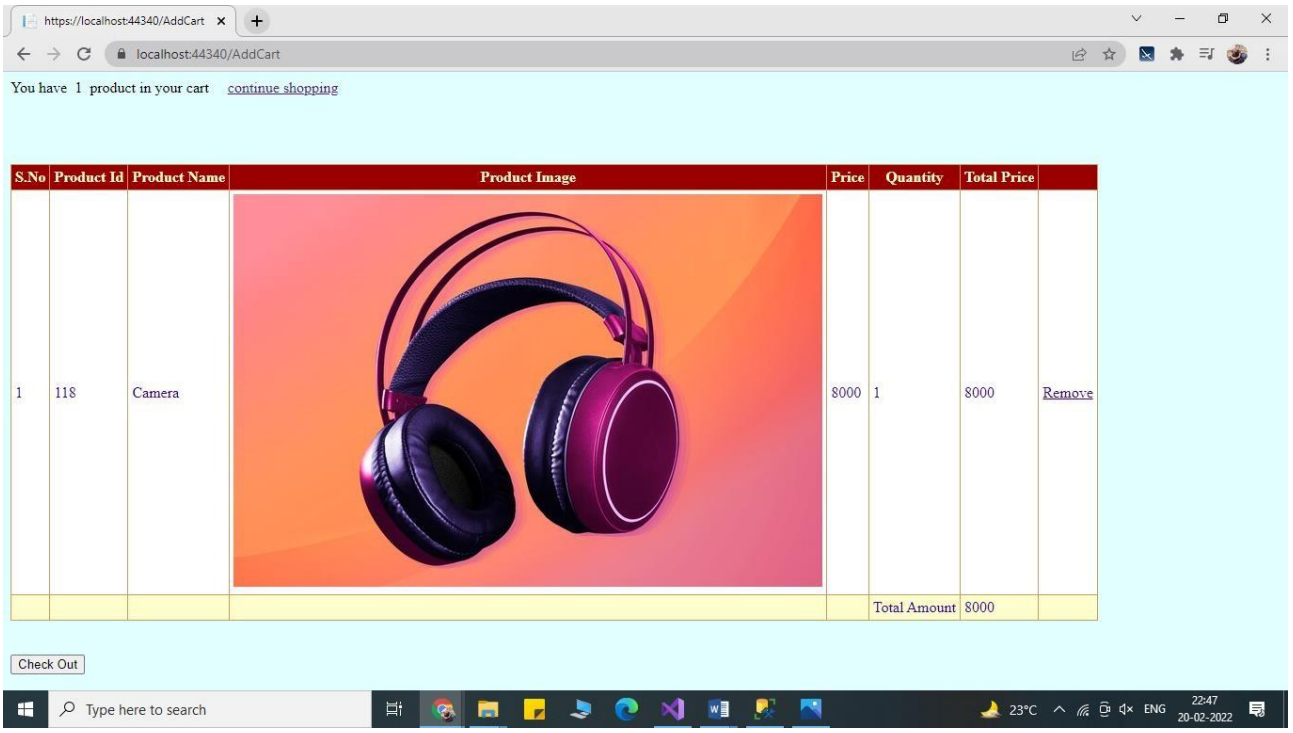

https://localhost:44340/home
localhost:44340/home
Product ID 101
Bluetooth
Rs.1000
Add to cart
Product ID 102
Bulb
Rs.100
Add to cart
Product ID 103
Camera
Rs.10000
Add to cart
Product ID 104
HeadPhone
Rs.1500
Add to cart
Product ID 105
Bulb
Rs.150
Add to cart
Product ID 106
JBL Speaker
Rs.3000
Add to cart
Product ID 107
Soni Laptop
Rs.70000
Add to cart
Product ID 108
Speaker
Rs.7000
Add to cart

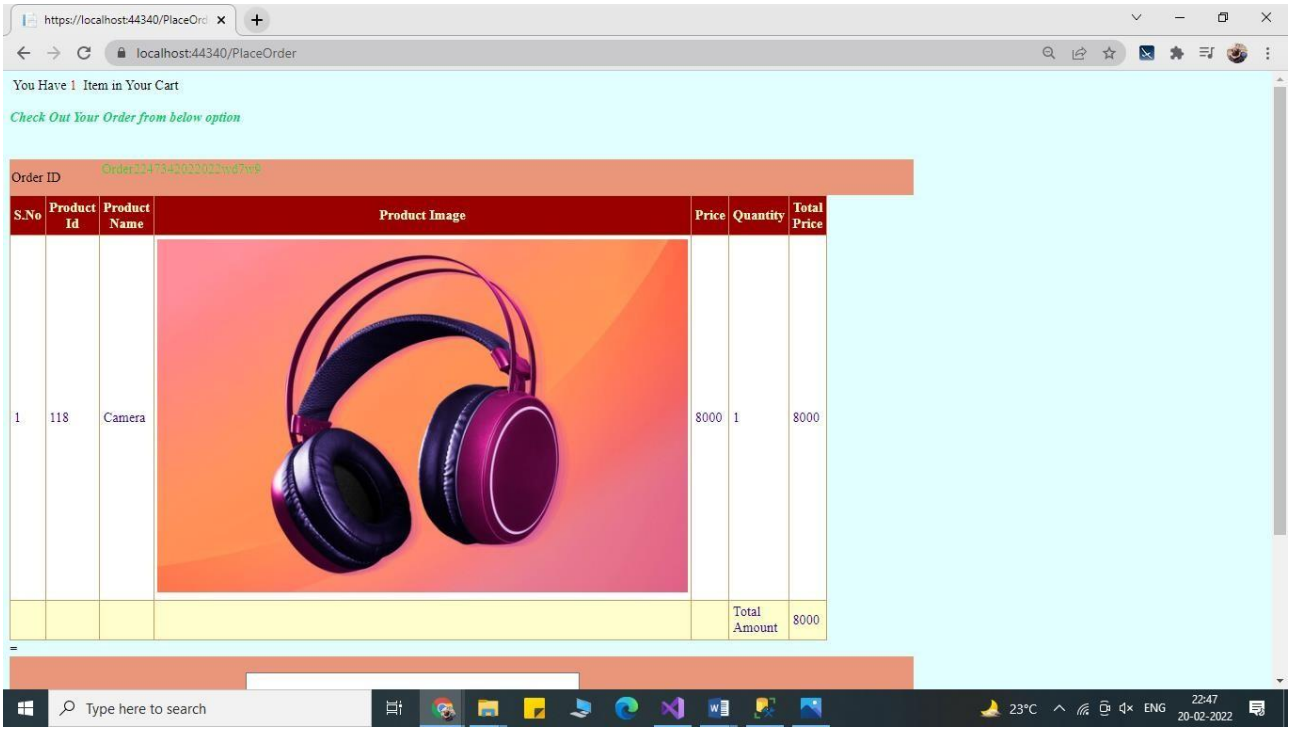


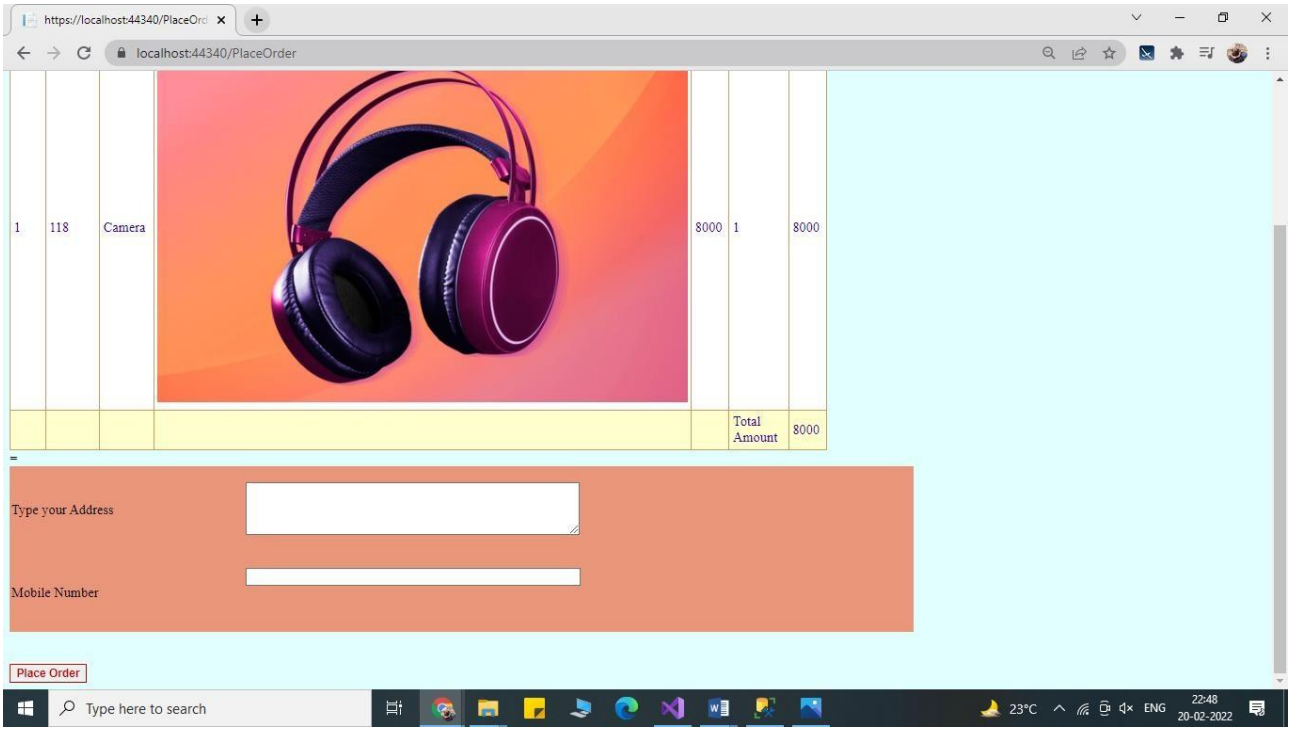
Add to cart:-

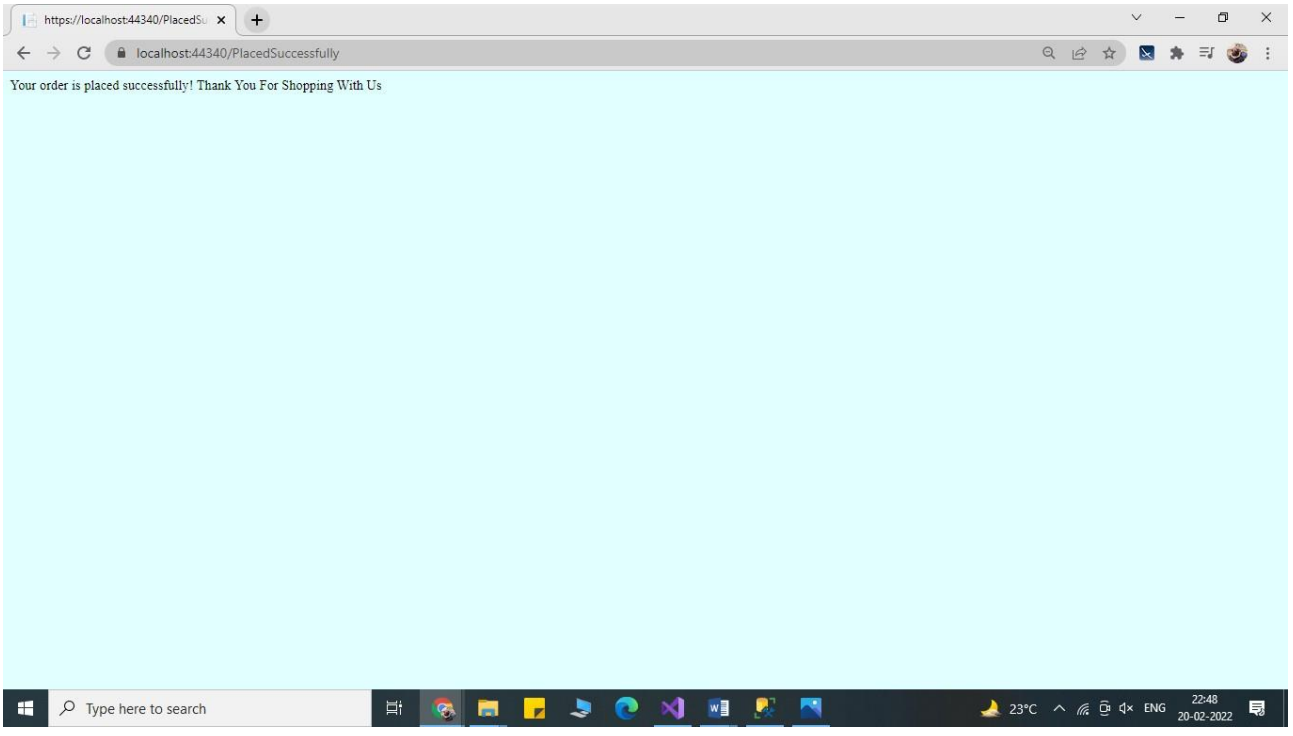
u have product in your cart 1 continue shopping

S.No	Product Id	Product Name	Product Image	Price	Quantity	Total Price	
1	112	laptop		999	1	999	Remove
					Total Amount	999	


https://localhost:44340/AddCart
localhost:44340/AddCart
You have 1 product in your cart continue shopping
S.No Product Id Product Name Product Image Price Quantity Total Price
1 118 Camera 8000 1 8000 Remove
Total Amount 8000
Check Out
Type here to search
23°C ENG 22:47 20-02-2022


https://localhost:44340/PlaceOrd
localhost:44340/PlaceOrder
You Have 1 Item in Your Cart
Check Out Your Order from below option
Order ID
S.No Product Id Product Name Product Image Price Quantity Total Price
1 118 Camera 8000 1 8000
Total Amount 8000
Type here to search
23°C ENG 22:47 20-02-2022


https://localhost:44340/PlaceOrd
localhost:44340/PlaceOrder
1 118 Camera 8000 1 8000
Total Amount 8000
=
Type your Address
Mobile Number
Place Order
Type here to search
23°C ENG 22:48 20-02-2022


https://localhost:44340/PlacedSu
localhost:44340/PlacedSuccessfully
Your order is placed successfully! Thank You For Shopping With Us
Type here to search
23°C ENG 22:48 20-02-2022

Database Design:-

Register table:-

GUDIA\SQLEXPRESS....Website - dbo.reg | GUDIA\SQLEXPRESS..

Column Name	Data Type	Allow Nulls
name	varchar(50)	☑
dob	varchar(50)	☑
mobile	varchar(50)	☑
address	varchar(50)	☑
email	varchar(50)	☑
password	varchar(50)	☑
cpassword	varchar(50)	☑
		☐

Login Table:-

GUDIA\SQLEXPRESS....ebsite - dbo.login | GUDIA\SQLEXPRESS....Websi

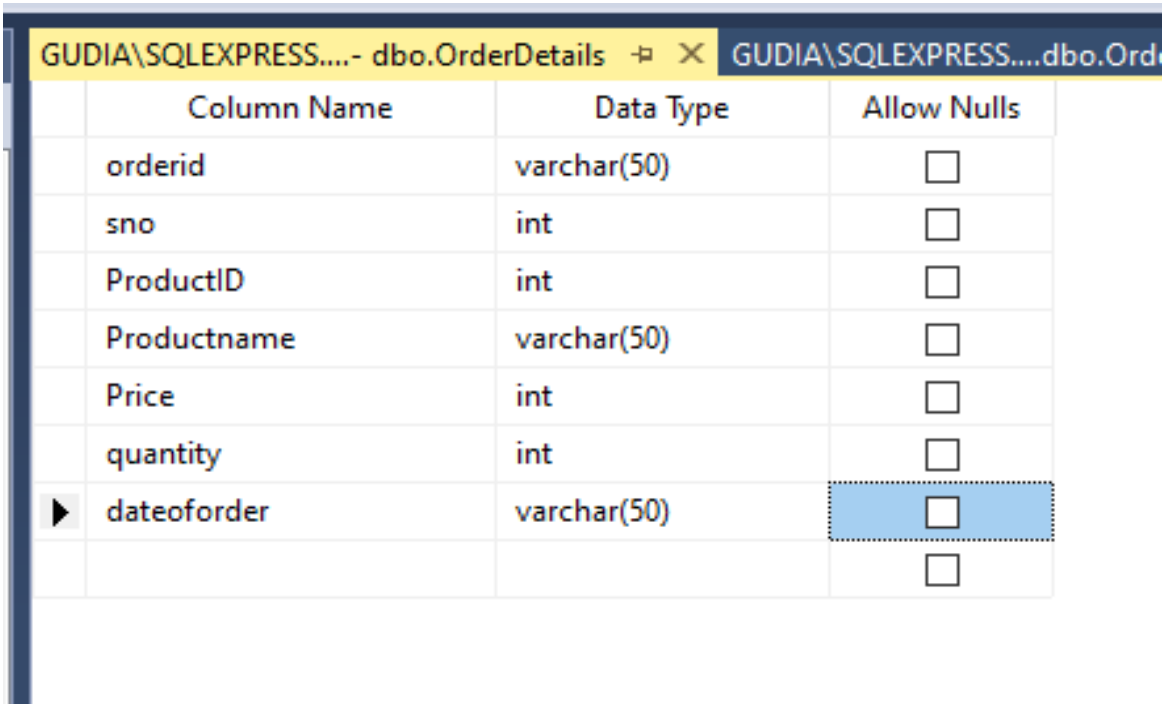
Column Name	Data Type	Allow Nulls
emailId	varchar(50)	☑
password	varchar(50)	☑
		☐

Product Details Table:-

GUDIA\SQLEXPRESS....ebsite - dbo.login | GUDIA\SQLEXPRESS....Web

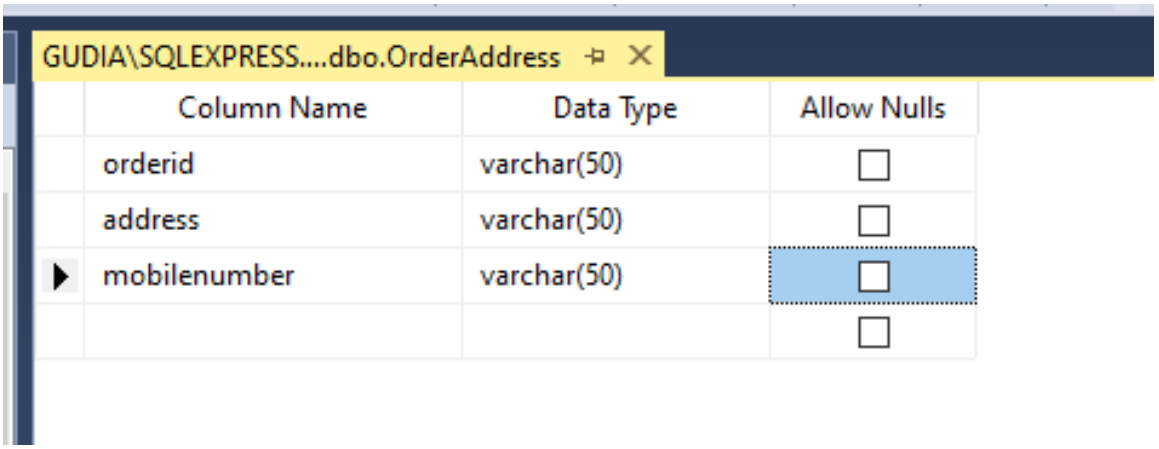
Column Name	Data Type	Allow Nulls
ProductID	int	☐
Productname	varchar(50)	☑
Price	int	☑
Productimage	varchar(MAX)	☑
		☐

Order Details Table:-


GUDIA\SQLEXPRESS....- dbo.OrderDetails

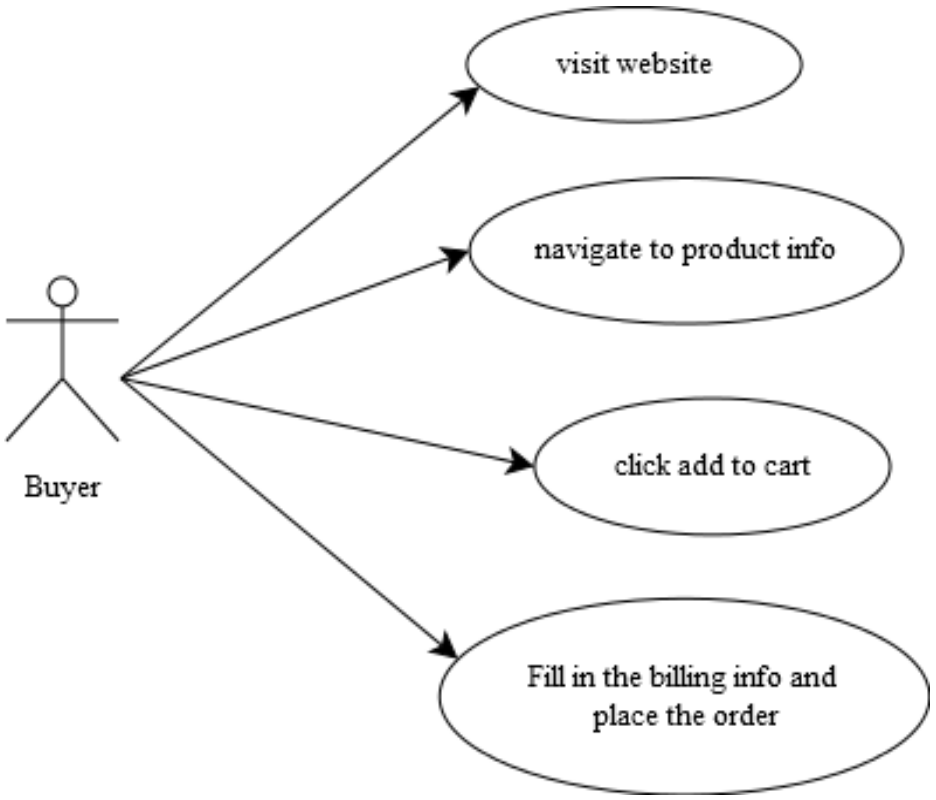
Column Name	Data Type	Allow Nulls
orderid	varchar(50)	☐
sno	int	☐
ProductID	int	☐
Productname	varchar(50)	☐
Price	int	☐
quantity	int	☐
dateoforder	varchar(50)	☐
		☐

Order Address Table:-

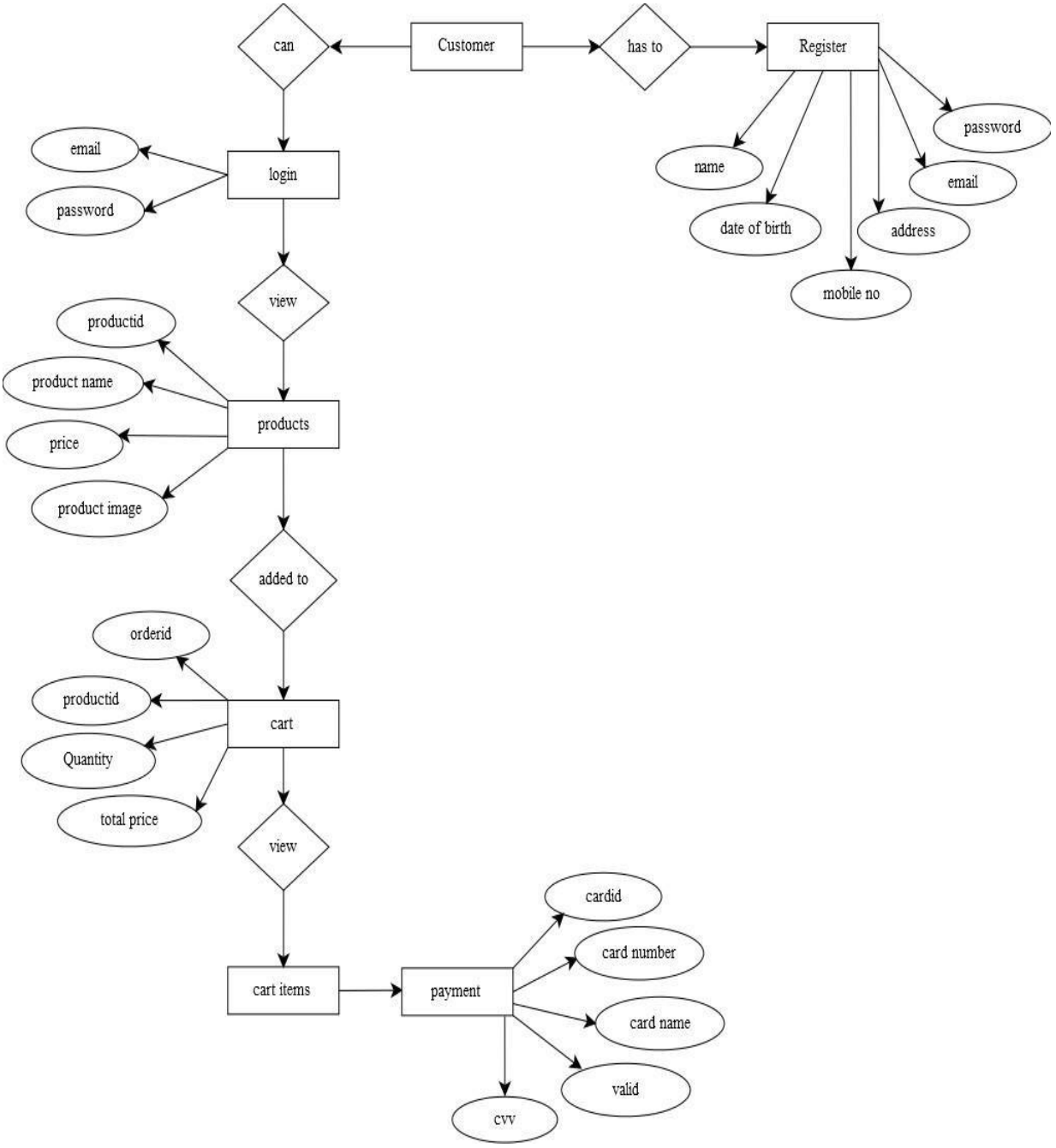

GUDIA\SQLEXPRESS....dbo.OrderAddress

Column Name	Data Type	Allow Nulls
orderid	varchar(50)	☐
address	varchar(50)	☐
mobilenumber	varchar(50)	☐
		☐

Use Case Diagram:-



Er-Diagram:-


Customer
can
has to
Register
login
email
password
name
email
password
date of birth
address
mobile no
view
productid
product name
price
product image
products
added to
orderid
productid
Quantity
total price
cart
view
cart items
payment
cardid
card number
card name
valid
cvv

5. SYSTEM IMPLEMENTATION

5.1. Tools and Technologies used

5.1.1. ASP.NET

- ASP.NET is a web development platform, which provides a programming model, a comprehensive software infrastructure and various services required to build up robust web applications for PC, as well as mobile devices.
- ASP.NET works on top of the HTTP protocol, and uses the HTTP commands and policies to set a browser-to-server bilateral communication and cooperation.
- The ASP.NET application codes can be written in any of the following languages: C#, Visual Basic.Net, Jscript and J#
- ASP.NET is used to produce interactive, data-driven web applications over the internet. It consists of a large number of controls such as text boxes, buttons, and labels for assembling, configuring, and manipulating code to create HTML pages.

5.1.2. C#

- C# is a strongly typed object-oriented programming language. C# is open source, simple, modern, flexible, and versatile. In this article, let's learn what C# is, what C# can do, and how C# is different than C++ and other programming languages.
- A programming language on computer science is a language that is used to write software programs.
- C# is a programming language developed and launched by Microsoft in 2001.
- C# is a simple, modern, and object-oriented language that provides modern day developers flexibility and features to build software that will not only work today but will be applicable for years in the future.

5.1.3. SQL

- SQL is a standard language for accessing and manipulating databases.
- SQL stands for Structured Query Language
- SQL became a standard of the American National Standards Institute (ANSI) in 1986, and of the International Organization for Standardization (ISO) in 1987.
- SQL is used for the following:
  - Modifying database table and index structures;
  - Adding, updating and deleting rows of data; and
  - Retrieving subsets of information from within relational database management systems (rdbms) -- this information can be used for transaction processing, analytics applications and other applications that require communicating with a relational database.
  - SQL queries and other operations take the form of commands written as statements and are aggregated into programs that enable users to add, modify or retrieve data from database tables.

5.1.4. NET Framework

- .Net Framework is a software development platform developed by Microsoft for building and running Windows applications.
- The .Net framework consists of developer tools, programming languages, and libraries to build desktop and web applications. It is also used to build websites, web services, and games.

- The .Net framework was meant to create applications, which would run on the Windows Platform.
- The Microsoft .Net framework can be used to create both – Form-based and Web based applications.
- The framework also supports various programming languages such as Visual Basic and C#. So, developers can choose and select the language to develop the required application. In this chapter, you will learn some basics of the .Net framework.

5.1.5. SQL Server

- SQL Server is a relational database management system, or RDBMS, developed and marketed by Microsoft.
- Similar to other RDBMS software, SQL Server is built on top of SQL, a standard programming language for interacting with the relational databases. SQL server is tied to Transact-SQL, or T-SQL, the Microsoft's implementation of SQL that adds a set of proprietary programming constructs.
- SQL Server works exclusively on Windows environment for more than 20 years. In 2016, Microsoft made it available on Linux. SQL Server 2017 became generally available in October 2016 that ran on both Windows and Linux.
- Microsoft provides both data management and business intelligence (BI) tools and services together with SQL Server.
- For data management, SQL Server includes SQL Server Integration Services (SSIS), SQL Server Data Quality Services, and SQL Server Master Data Services. To develop databases, SQL Server provides SQL Server Data tools; and to manage, deploy, and monitor databases SQL Server has SQL Server Management Studio (SSMS).

5.1.6. Visual Studio 2019

- Visual Studio is an Integrated Development Environment (IDE) developed by Microsoft to develop GUI (Graphical User Interface), console, Web applications, web apps, mobile apps, cloud, and web services, etc.
- With the help of this IDE, you can create managed code as well as native code. It uses the various platforms of Microsoft software development software like Windows store, Microsoft Silverlight, and Windows API, etc.
- It is not a language-specific IDE as you can use this to write code in C#, C++, VB (Visual Basic), Python, JavaScript, and many more languages.
- The integrated debugger works both as a source-level debugger and a machine-level debugger.
- Other built-in tools include a code profiler, designer for building GUI applications, web designer, class designer, and database schema designer.

5.2. Installation and Deployment

5.2.1. Visual Studio

1. Download the latest version of .net framework from the official website.
2. Download the required edition of Visual Studio from the official website.
3. Right-click and select the Run as administrator on the downloaded file tobegin the installation. You will be asked for permission to continue. Click on Yes to continue with the installation.

Next, you will be asked to accept the software License terms and Privacy Statement. Click on continue to go ahead with the installation.

4. The Installer fetches the required files to install the Visual Studio
5. The Installer will ask for the features you wish to install. You have four options here

- Workloads
- Individual Components
- Language Packs
- Installation Location

6. Select the required Workload.
7. Select Installation Location The final tab is the installation location. Change the location if you wish to
8. Now, click on the Install button to begin the installation of Visual Studio 2019.
9. The installer will now download each component from the internet and starts the installation. This will take a while depending on your internet speed.
10. Once the installation is complete, you will be presented with the Installation succeeded message along with the option to register

5.2.2. SQL Server

1. Download the latest version of Microsoft SQL Server from the official website.
2. Once complete downloading, you can double-click the file SQL2019-SSEI- Dev.exe file to launch the downloader.
3. The downloader will ask you to select the installation type, choose the Download Media option. This option allows you to download the setup files first and install the SQL Server later.
4. Specify the folder for storing the installation files, then click the Download button:
5. The downloader will start downloading the installation files. It'll take a while.
6. Once the download completes, open the folder that stores the downloaded file:
7. Right-click the iso file and select the Mount option to mount the iso file:
8. Open the installation folder and click the setup.exe file to launch the installer
9. After double click setup.exe, you'll see the following window; select the installation option on the left
10. Click the first link to launch a wizard to install SQL Server 2019
11. Specify the edition that you want to install, select Developer edition, and click the Next button.
12. Select the "I accept the license terms." and click the Next button:
13. Uncheck the "Use Microsoft Update to check for updates (recommended)" if you don't want to get the updates for the SQL Server and click the Next button
14. The installation checks for the prerequisites before installation. If no error occurs, click the Next button
15. Select the features that you want to install. For learning purposes, you need the Database Engine Services; check the checkbox and click the Next button to continue
16. Provide the instance ID of the SQL Server and click the Next button
17. Select the Mixed Mode, provide the password for system administration (sa) account (you need to store this password in a secure place so that you can use it.
18. to connect to the SQL Server later), click the Add Current User to specify the SQL Server Administrators, and click the Next button
19. Verify the SQL Server 2019 features to be installed
20. Click the Close button to complete the installation
21. To interact with SQL Server, you need to have a SQL Server client tool. Microsoft provides you with the SQLServer Management Studio (SSMS). The SQL Server Management Studio is software for querying, designing, and managing SQL Server on your local computer or in the cloud. It provides you with tools to configure, monitor, and administer SQL Server instances.

6. CONCLUSION AND FUTURE SCOPE

The project entitled – Online Electronic Shopping Center: Online Electronic Shopping Center was completed successfully. The system has been developed with much care and free of errors and at the same time it is efficient and less time consuming. The purpose of this project was to develop a web application for buying electronic gadget online.

This project helped me in gaining valuable information and practical knowledge on several topics like designing web pages using html & CSS, usage of responsive templates, designing of asp.net applications, and management of database using MySQL. Also, the project helped me in understanding about the development phases of a project and software development life cycle. The project has scope for addition of more features

Future Enhancements

The project has ensured that it has met all the requirements provided during the planning stage. Future can include these below enhancements

- Addition of UPI payments
- System may keep track of history of buying of each customer and provide suggestions based on their history.
- Improve the validations.
- Addition of new items based on customer feedback

7. APPENDIX

Source Code:-

Design .Master Page:-

```
<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="design.master.cs"
Inherits="Visual.design" %>

<!DOCTYPE html>

<html>
<head runat="server">
    <title>online shopping center</title>
    <asp:ContentPlaceHolder ID="head" runat="server">
    </asp:ContentPlaceHolder>
       <meta name="viewport" content="width=device-width, initial-scale=1">
    <style>

h1{
       color: maroon;
       text-align: left;
       padding-top: 0px;
       padding-left: 0px;
       font-size: 20px;
       font-family: algerian;
       position: absolute;
       text-decoration:none;

}


.main
{
       text-align: right;
       text-decoration:none;
}

.main a{
       color: maroon;
}
.main a:hover{
       color: yellow;
}
marquee{
       color:darkcyan;
       font-size: 30px;
       padding-top: 30px;
}
.mark{
       color: darkcyan;
       font-size: 20px;
       padding-bottom: 500px;
}


              .drop{
                     position: relative;
                     display: inline-block;
                     color: maroon;
              }


              .drop-con{
                     display: none;
```

```
position: absolute;
background-color: pink;
min-width: 160px;
```

```
                box-shadow: 0px 8px 16px ;
                z-index: 1;
            }



            .drop:hover .drop-con{
                display: block;
            }

            p{
                align-content:center;
                color:maroon;

            }


    </style>
    <link href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-
awesome.min.css" rel="stylesheet" type="text/css">
</head>
<body>
    <form id="form1" runat="server">
            <h1>ONLINE ELECTRONIC SHOPPING CENTER</h1>
        <div class="main">

<a class="main1" href="design.Master" style="text-decoration:none;"><i class="fa fa-home"
aria-hidden="true";></i>HOME</a>     
                    <div class="drop">
       <span style="text-decoration:none;"> <i class="fa fa-hand-o-right" aria-
hidden="true"></i>PRODUCTS</span>     
       <div class="drop-con">
            <a href="category.aspx" style="text-decoration:none";>Electronic
gadgets</a><br />
            <a href="AllProduct.aspx" style="text-decoration:none";>Add Products</a>

       </div>
</div>
<a class="main1" href="AddCart.aspx" style="text-decoration:none;"><i class="fa fa-shopping-
cart" aria-hidden="true"></i>CART</a>     
<a class="main1" href="Register.aspx" style="text-decoration:none;"><i class="fa fa-address-
book-o" aria-hidden="true"></i>REGISTRATION</a>     
<a class="main1" href="mylogin.aspx" style="text-decoration:none;"><i class="fa fa-address-
book-o" aria-hidden="true"></i>LOGIN</a>     

<a class="main1" href="About Us.aspx" style="text-decoration:none;"><i class="fa fa-user"
aria-hidden="true"></i>ABOUT US</a>     
<a class="main1" href="Contact Us.aspx" style="text-decoration:none;"><i class="fa fa-phone"
aria-hidden="true"></i>CONTACT US</a>     
</div>
             <marquee direction = "right">Electronics is clearly the winner of the
day</marquee>

            <div>
                <img  src="Images/model.jpg" style="width:1340px; height:450px;
padding-top:18px;"/>
     </div>

            <div>


       <p>  &copy Online Electronic Shopping Pvt. | All rights Reserved.|  </p>

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

```
</html>
```

DefaultPage.aspx:-

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master"
AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="Visual._Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

    <div class="jumbotron">
        <h1>ASP.NET</h1>
        <p class="lead">ASP.NET is a free web framework for building great Web sites and Web
applications using HTML, CSS, and JavaScript.</p>
        <p><a href="http://www.asp.net" class="btn btn-primary btn-lg">Learn more
&raquo;</a></p>
    </div>

    <div class="row">
        <div class="col-md-4">
            <h2>Getting started</h2>
            <p>
                ASP.NET Web Forms lets you build dynamic websites using a familiar drag-and-
drop, event-driven model.
            A design surface and hundreds of controls and components let you rapidly build
sophisticated, powerful UI-driven sites with data access.
            </p>
            <p>
                <a class="btn btn-default"
href="https://go.microsoft.com/fwlink/?LinkId=301948">Learn more &raquo;</a>
            </p>
        </div>
        <div class="col-md-4">
            <h2>Get more libraries</h2>
            <p>
                NuGet is a free Visual Studio extension that makes it easy to add, remove,
and update libraries and tools in Visual Studio projects.
            </p>
            <p>
                <a class="btn btn-default"
href="https://go.microsoft.com/fwlink/?LinkId=301949">Learn more &raquo;</a>
            </p>
        </div>
        <div class="col-md-4">
            <h2>Web Hosting</h2>
            <p>
                You can easily find a web hosting company that offers the right mix of
features and price for your applications.
            </p>
            <p>
                <a class="btn btn-default"
href="https://go.microsoft.com/fwlink/?LinkId=301950">Learn more &raquo;</a>
            </p>
        </div>
    </div>

</asp:Content>
```

Web.config:-

```
<?xml version="1.0" encoding="utf-8"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  https://go.microsoft.com/fwlink/?LinkId=169433
  -->
<configuration>
  <connectionStrings>
    <add name="OnlineWebsiteConnectionString12" connectionString="Data
Source=GUDIA\SQLEXPRESS;Initial Catalog=OnlineWebsite;Integrated Security=True"
      providerName="System.Data.SqlClient" />
  </connectionStrings>
  <system.web>
    <compilation debug="true" targetFramework="4.7.2" />
    <httpRuntime targetFramework="4.7.2" />
    <pages>
      <namespaces>
        <add namespace="System.Web.Optimization" />
      </namespaces>
      <controls>
        <add assembly="Microsoft.AspNet.Web.Optimization.WebForms"
namespace="Microsoft.AspNet.Web.Optimization.WebForms" tagPrefix="webopt" />
      </controls>
    </pages>
  </system.web>
  <runtime>
    <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
      <dependentAssembly>
        <assemblyIdentity name="Antlr3.Runtime" publicKeyToken="eb42632606e9261f" />
        <bindingRedirect oldVersion="0.0.0.0-3.5.0.2" newVersion="3.5.0.2" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="Newtonsoft.Json" publicKeyToken="30ad4fe6b2a6aeed" />
        <bindingRedirect oldVersion="0.0.0.0-12.0.0.0" newVersion="12.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="WebGrease" publicKeyToken="31bf3856ad364e35" />
        <bindingRedirect oldVersion="0.0.0.0-1.6.5135.21930" newVersion="1.6.5135.21930" />
      </dependentAssembly>
    </assemblyBinding>
  </runtime>
  <system.codedom>
    <compilers>
      <compiler language="c#;cs;csharp" extension=".cs"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:default
/nowarn:1659;1699;1701" />
      <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:default
/nowarn:41008 /define:_MYTYPE=\&quot;Web\&quot; /optionInfer+" />
    </compilers>
  </system.codedom>
</configuration>
```

Register.aspx:-

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Mymasterpage.Master"
AutoEventWireup="true" CodeBehind="Register.aspx.cs" Inherits="Visual.Register" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
   <div>
        <table class="auto-style1" style="width:720px; align-content:center; background-
color:lightcyan;">
        <tr>
           <td class="auto-style3"  align="left">  Name</td>
           <td class="auto-style5"  align="left">
              <asp:TextBox ID="name" runat="server" Height="30px" Width="270px"
placeholder="Please enter your name"></asp:TextBox>
              <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
ControlToValidate="name" ErrorMessage="Name Field is
empty">*</asp:RequiredFieldValidator>
              <asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"
ControlToValidate="name" ErrorMessage="Only characters are allowed"
ValidationExpression="^[A-Za-z]*$"></asp:RegularExpressionValidator>
           </td>
        </tr>
        <tr>
           <td class="auto-style3" align="left">  Date of Birth</td>
           <td class="auto-style5"  align="left">
              <asp:TextBox ID="dob" runat="server" Height="30px" TextMode="Date"
Width="270px" CssClass="auto-style9"></asp:TextBox>
              <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
ControlToValidate="dob" ErrorMessage="DOB Field is empty">*</asp:RequiredFieldValidator>
           </td>
        </tr>
        <tr>
           <td class="auto-style7"  align="left">  Mobile No</td>
           <td class="auto-style8"  align="left">
              <asp:TextBox ID="mobile" runat="server" Height="30px" MaxLength="10"
TextMode="Number" Width="270px"></asp:TextBox>
              <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"
ControlToValidate="mobile" ErrorMessage="Mobile No Field is
empty">*</asp:RequiredFieldValidator>
              <asp:RegularExpressionValidator ID="RegularExpressionValidator2" runat="server"
ControlToValidate="mobile" ErrorMessage="Invalid Mobile_No" ValidationExpression="[0-
9]{10}"></asp:RegularExpressionValidator>
           </td>
        </tr>
        <tr>
           <td class="auto-style1"  align="left">  Address</td>
           <td class="auto-style1"  align="left">
              <asp:TextBox ID="address" runat="server" Height="30px" TextMode="MultiLine"
Width="272px"></asp:TextBox>
              <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"
ControlToValidate="address" ErrorMessage="Address Field is
empty">*</asp:RequiredFieldValidator>
```

```
            </td>
          </tr>
          <tr>
            <td class="auto-style3"  align="left">  Email Id</td>
            <td class="auto-style5"  align="left">
              <asp:TextBox ID="email" runat="server" Height="30px" TextMode="Email"
Width="270px"></asp:TextBox>
              <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server"
ControlToValidate="email" ErrorMessage="Email-ID Field is
empty">*</asp:RequiredFieldValidator>
            </td>
          </tr>
          <tr>
            <td class="auto-style3"  align="left">  Password</td>
            <td class="auto-style5"  align="left">
              <asp:TextBox ID="password" runat="server" Height="30px" TextMode="Password"
Width="270px"></asp:TextBox>
              <asp:RequiredFieldValidator ID="RequiredFieldValidator6" runat="server"
ControlToValidate="password" ErrorMessage="Password Field is
empty">*</asp:RequiredFieldValidator>
            </td>
          </tr>
          <tr>
            <td class="auto-style3"  align="left">  Confirm Password</td>
            <td class="auto-style5"  align="left">
              <asp:TextBox ID="cpassword" runat="server" Height="30px" TextMode="Password"
Width="270px"></asp:TextBox>
              <asp:RequiredFieldValidator ID="RequiredFieldValidator7" runat="server"
ControlToValidate="cpassword" ErrorMessage="Confirm Password Field is
empty">*</asp:RequiredFieldValidator>
              <asp:CompareValidator ID="CompareValidator1" runat="server"
ControlToCompare="password" ControlToValidate="cpassword" ErrorMessage="password not
matched"></asp:CompareValidator>
              <br />
              <br />
            </td>
          </tr>
          <tr>
            <td class="auto-style3"  align="center">
              <asp:ValidationSummary ID="ValidationSummary1" runat="server" />
            </td>
            <td class="auto-style5"  align="center">

             &nb
sp;             
          <asp:Button ID="Button1" runat="server" Text="Register" Height="30px" Width="127px"
OnClick="Button1_Click"/>
               </td>
          </tr>
          </table>
        </div>

</asp:Content>
```

Register.aspx.cs:-

```
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 Visual
{
   public partial class Register : System.Web.UI.Page
   {
      protected void Page_Load(object sender, EventArgs e)
      {

      }

      protected void Button1_Click(object sender, EventArgs e)
      {
         SqlConnection con = new SqlConnection("Data Source=GUDIA\\SQLEXPRESS;Initial
Catalog=OnlineWebsite;Integrated Security=True");
         SqlCommand cmd = new SqlCommand(@"INSERT INTO [dbo].[reg]
        ([name]
        ,[dob]
        ,[mobile]
        ,[address]
        ,[email]
        ,[password]
        ,[cpassword])
    VALUES
         ('" + name.Text + "','" + dob.Text + "','" + mobile.Text + "','" + address.Text + "','" +
email.Text + "','" + password.Text + "','" + cpassword.Text + "')", con);
         con.Open();
         cmd.ExecuteNonQuery();
         con.Close();
         Response.Write("<script>alert('Registration successfull')</script>");

      }
   }
}
```

myLogin.aspx:-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="mylogin.aspx.cs"
Inherits="Visual.WebForm3" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style>
        body{
            background-color:lightcyan;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <table class="auto-style1" align="center">
                 <tr >
                     <td class="auto-style5" colspan="2" align="center">LOGIN PAGE</td>
                     <td> </td>
                 </tr>
                 <tr>
                     <td class="auto-style5">Email-ID</td>
                     <td>
                        <asp:TextBox ID="email" runat="server" Height="30px" Width="270px"
TextMode="Email"></asp:TextBox>
                     </td>
                 </tr>
                 <tr>
                     <td class="auto-style5">Password</td>
                     <td>
                        <asp:TextBox ID="password" runat="server" Height="30px"
Width="270px" TextMode="Password"></asp:TextBox>
                     </td>
                 </tr>
                 <tr>

                     <td  colspan="2" align="center">
            <asp:Button ID="Button2" runat="server" Text="LOGIN" Height="30px" Width="120px"
align="center" OnClick="Button1_Click" />
                     </td>
                 </tr>
                 <tr>
                     <td class="auto-style5"> </td>
                     <td> </td>
                 </tr>
             </table>
        </div>
    </form>
</body>
</html>
```

Mylogin.aspx.cs:-

```
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 Visual
{
   public partial class WebForm3 : System.Web.UI.Page
   {
      protected void Page_Load(object sender, EventArgs e)
      {

      }

      protected void Button1_Click(object sender, EventArgs e)
      {
         SqlConnection con = new SqlConnection("Data Source=GUDIA\\SQLEXPRESS;Initial
Catalog=OnlineWebsite;Integrated Security=True");
         SqlDataAdapter sda = new SqlDataAdapter("select * from reg where email='" + email.Text
+ "' and password='" + password.Text + "'", con);
         DataTable dt = new DataTable();
         sda.Fill(dt);
         if (dt.Rows.Count == 1)
         {
            Response.Write("<script>alert('Registration successfull')</script>");

         }
         else
         {
            Response.Write("<script>alert('Registration failed')</script>");

         }
      }
   }
}
```

Home.aspx:-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="home.aspx.cs"
Inherits="Visual.category" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        .auto-style1 {
            width: 100%;
        }
        .auto-style2 {
            height: 24px;
            text-align: center;
        }
        .auto-style3 {
            text-align: center;
        }

        body{
            background-color:lightcyan;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            u have<asp:Label ID="Label1" runat="server"></asp:Label>
  product in your cart
 <asp:HyperLink ID="HyperLink1" runat="server" NavigateUrl="~/AddCart.aspx">show
cart</asp:HyperLink>
             <asp:Image ID="Image2" runat="server" ImageUrl="~/Images/addcart.png"
Width="30px" />
            <br />
            <br />
            <asp:DataList ID="DataList1" runat="server" DataKeyField="ProductID"
DataSourceID="SqlDataSource1" OnItemCommand="DataList1_ItemCommand"
RepeatColumns="3" RepeatDirection="Horizontal" Width="250px" Height="250px">
                <ItemTemplate>
                    <table class="auto-style1">
                        <tr>
                            <td class="auto-style3">Product ID:<asp:Label ID="Label2" runat="server"
Text='<%# Eval("ProductID") %>'></asp:Label>
                            </td>
                        </tr>
                        <tr>
                            <td class="auto-style3">Product Name:<asp:Label ID="Label3" runat="server"
Text='<%# Eval("Productname") %>'></asp:Label>
                            </td>
                        </tr>
```

```
                    <tr>
                        <td class="auto-style2"><asp:Image ID="Image1" runat="server" ImageUrl='<%#
Eval("Productimage") %>' Height="200px" Width="200px" />
                        </td>
                    </tr>
                    <tr>
                        <td class="auto-style3">
                            <br />
                            Price:<asp:Label ID="Label4" runat="server" Text='<%# Eval("Price")
%>'></asp:Label>
                        </td>
                    </tr>
                    <tr>
                        <td class="auto-style3">
                            <br />
                            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-style3">
                            <asp:ImageButton ID="ImageButton1" runat="server"
CommandArgument='<%# Eval("productid")%>' CommandName="AddCart" Height="42px"
ImageUrl="~/Images/cart.jpg" Width="237px" />
                        </td>
                    </tr>
                </table>
                <br />
                <br />
            </ItemTemplate>
        </asp:DataList>
        <br />
        <br />
        <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$
ConnectionStrings:OnlineWebsiteConnectionString12 %>" SelectCommand="SELECT * FROM
[productDetails]"></asp:SqlDataSource>
        <br />
    </div>
  </form>
</body>
</html>
```

Home.aspx.cs:-

```
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 Visual
{
    public partial class category : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            DataTable dt = new DataTable();
            dt = (DataTable)Session["buyitems"];
            if (dt != null)
            {
                Label1.Text = dt.Rows.Count.ToString();
            }
            else
            {
                Label1.Text = "0";
            }
        }


        protected void DataList1_ItemCommand(object source, DataListCommandEventArgs e)
        {
            DropDownList dlist = (DropDownList)(e.Item.FindControl("DropDownList1"));
            Response.Redirect("AddCart.aspx?id=" + e.CommandArgument.ToString() +
"&quantity=" + dlist.SelectedItem.ToString());
        }
    }
}
```

AddToCart.aspx:-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="AddCart.aspx.cs"
Inherits="Visual.AddCart" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>


</head>
<body style="background-color:lightcyan;">
    <form id="form1" runat="server">
        <div>

            You have 
            <asp:Label ID="Label1" runat="server"></asp:Label>
 product in your cart   
 <asp:HyperLink ID="HyperLink1" runat="server" NavigateUrl="~/category.aspx">continue
shopping</asp:HyperLink>
            <br />
            <br />
            <br />
            <br />
```

```
<br />
```

```
            <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"
BackColor="White" BorderColor="#CC9966" BorderStyle="None" BorderWidth="1px" CellPadding="4"
OnRowDeleting="GridView1_RowDeleting"
OnSelectedIndexChanged="GridView1_SelectedIndexChanged" ShowFooter="True">
                <Columns>
                    <asp:BoundField DataField="sno" HeaderText="S.No" />
                    <asp:BoundField DataField="ProductID" HeaderText="Product Id" />
                    <asp:BoundField DataField="Productname" HeaderText="Product Name" />
                    <asp:ImageField DataImageUrlField="Productimage" HeaderText="Product
Image">
                    </asp:ImageField>
                    <asp:BoundField DataField="Price" HeaderText="Price" />
                    <asp:BoundField DataField="quantity" HeaderText="Quantity" />
                    <asp:BoundField DataField="totalprice" HeaderText="Total Price" />
                    <asp:CommandField DeleteText="Remove" ShowDeleteButton="True" />
                </Columns>
                <FooterStyle BackColor="#FFFFCC" ForeColor="#330099" />
                <HeaderStyle BackColor="#990000" Font-Bold="True" ForeColor="#FFFFCC" />
                <PagerStyle BackColor="#FFFFCC" ForeColor="#330099" HorizontalAlign="Center"
/>
                <RowStyle BackColor="White" ForeColor="#330099" />
                <SelectedRowStyle BackColor="#FFCC66" Font-Bold="True" ForeColor="#663399"
/>
                <SortedAscendingCellStyle BackColor="#FEFCEB" />
                <SortedAscendingHeaderStyle BackColor="#AF0101" />
                <SortedDescendingCellStyle BackColor="#F6F0C0" />
                <SortedDescendingHeaderStyle BackColor="#7E0000" />
            </asp:GridView>

            <br />
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Check Out"
/>


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

AddToCart.aspx.cs:-

```
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 Visual
{
    public partial class AddCart : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                DataTable dt = new DataTable();
                DataRow dr;
                dt.Columns.Add("sno");
                dt.Columns.Add("ProductID");
                dt.Columns.Add("Productname");
                dt.Columns.Add("quantity");
                dt.Columns.Add("Price");
```

```
                dt.Columns.Add("totalprice");
                dt.Columns.Add("Productimage");

                if (Request.QueryString["id"] != null)
                {
                    if (Session["buyitems"] == null)
                    {
                        dr = dt.NewRow();
                        String mycon = "Data Source=GUDIA\\SQLEXPRESS;Initial
Catalog=OnlineWebsite;Integrated Security=True";
                        SqlConnection scon = new SqlConnection(mycon);
                        String myquery = "Select * from productDetails where ProductID=" +
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["sno"] = 1;
                        dr["ProductID"] = ds.Tables[0].Rows[0]["ProductID"].ToString();
                        dr["Productname"] = ds.Tables[0].Rows[0]["Productname"].ToString();
                        dr["Productimage"] =
ds.Tables[0].Rows[0]["Productimage"].ToString();
                        dr["quantity"] = Request.QueryString["quantity"];
                        dr["Price"] = ds.Tables[0].Rows[0]["Price"].ToString();
                        int Price =
Convert.ToInt16(ds.Tables[0].Rows[0]["Price"].ToString());
                        int quantity =
Convert.ToInt16(Request.QueryString["quantity"].ToString());
                        int totalprice = Price * quantity;
                        dr["totalprice"] = 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("AddCart.aspx");
                    }

                    else
                    {
                        dt = (DataTable)Session["buyitems"];
                        int sr;
                        sr = dt.Rows.Count;

                        dr = dt.NewRow();
                        String mycon = "Data Source=GUDIA\\SQLEXPRESS;Initial
Catalog=OnlineWebsite;Integrated Security=True";
                        SqlConnection scon = new SqlConnection(mycon);
                        String myquery = "Select * from productDetails where ProductID=" +
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["sno"] = sr + 1;
                        dr["ProductID"] = ds.Tables[0].Rows[0]["ProductID"].ToString();
                        dr["Productname"] = ds.Tables[0].Rows[0]["Productname"].ToString();
```

```
                        dr["Productimage"] =
ds.Tables[0].Rows[0]["Productimage"].ToString();
                        dr["quantity"] = Request.QueryString["quantity"];
                        dr["Price"] = ds.Tables[0].Rows[0]["Price"].ToString();
                        int Price =
Convert.ToInt16(ds.Tables[0].Rows[0]["Price"].ToString());
                        int quantity =
Convert.ToInt16(Request.QueryString["quantity"].ToString());
                        int totalprice = Price * quantity;
                        dr["totalprice"] = 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("AddCart.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();
                    }
                }
                Label1.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]["totalprice"].ToString());
                i = i + 1;
            }
            return gtotal;
        }

        protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
        {

        }

        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 srl;
                string qdata;
                string dtdata;
                sr = Convert.ToInt32(dt.Rows[i]["sno"].ToString());
                TableCell cell = GridView1.Rows[e.RowIndex].Cells[0];
                qdata = cell.Text;
                dtdata = sr.ToString();
                srl = Convert.ToInt32(qdata);
                if (sr == srl)
                {
                    dt.Rows[i].Delete();
                    dt.AcceptChanges();
                    //Lable.Text = "Item has been deleted from shopping cart";
                    break;
                }
            }
            for (int i = 1; i <= dt.Rows.Count; i++)
            {
                dt.Rows[i - 1]["sno"] = i;
                dt.AcceptChanges();
            }
            Session["buyitems"] = dt;
            Response.Redirect("AddCart.aspx");
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Response.Redirect("PlaceOrder.aspx");
        }
    }
}
```

Placedorder.aspx:-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="PlaceOrder.aspx.cs"
Inherits="Visual.PlaceOrder" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        body{
            align-content:center;
        }
        .auto-style1 {
            width: 72%;
        }
        .auto-style3 {
            width: 72%;
            height: 196px;
        }
        .auto-style4 {
            width: 274px;
        }
        .auto-style5 {
            width: 103px;
            height: 23px;
        }
        .auto-style6 {
            height: 23px;
        }

        body{
```

```
            background-color:lightcyan;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
             You Have
            <asp:Label ID="Label1" runat="server" ForeColor="#CC0000"></asp:Label>
             Item in Your Cart<br />
            <br />
            <asp:Label ID="Label2" runat="server" Text="Check Out Your Order from below
option " Font-Bold="True" Font-Italic="True" ForeColor="#00CC66" Height="40px" style="align-
content:center;"></asp:Label>
            <br />
            <br />
            <table style="background-color:darksalmon;" class="auto-style1">
                <tr>
                    <td class="auto-style5">Order ID</td>
                    <td class="auto-style6">
                        <asp:Label ID="Label3" runat="server"
ForeColor="#33CC33"></asp:Label>
                        <br />
                        <br />
                    </td>
                </tr>
                </table>
        </div>
        <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"
Height="270px" ShowFooter="True" Width="679px" BackColor="White" BorderColor="#CC9966"
BorderStyle="None" BorderWidth="1px" CellPadding="4">
            <Columns>
                <asp:BoundField DataField="sno" HeaderText="S.No" />
                <asp:BoundField DataField="productid" HeaderText="Product Id" />
                <asp:BoundField DataField="productname" HeaderText="Product Name" />
                <asp:ImageField DataImageUrlField="Productimage" HeaderText="Product Image">
                </asp:ImageField>
                <asp:BoundField DataField="price" HeaderText="Price" />
                <asp:BoundField DataField="quantity" HeaderText="Quantity" />
                <asp:BoundField DataField="totalprice" HeaderText="Total Price" />
            </Columns>
            <FooterStyle BackColor="#FFFFCC" ForeColor="#330099" />
            <HeaderStyle BackColor="#990000" Font-Bold="True" ForeColor="#FFFFCC" />
            <PagerStyle BackColor="#FFFFCC" ForeColor="#330099" HorizontalAlign="Center" />
            <RowStyle BackColor="White" ForeColor="#330099" />
            <SelectedRowStyle BackColor="#FFCC66" Font-Bold="True" ForeColor="#663399" />
            <SortedAscendingCellStyle BackColor="#FEFCEB" />
            <SortedAscendingHeaderStyle BackColor="#AF0101" />
            <SortedDescendingCellStyle BackColor="#F6F0C0" />
            <SortedDescendingHeaderStyle BackColor="#7E0000" />
        </asp:GridView>
        =<br />
        <table style="background-color:darksalmon;" class="auto-style3" aria-
orientation="horizontal">
            <tr>
                <td class="auto-style4">Type your Address</td>
                <td>
                    <asp:TextBox ID="TextBox1" runat="server" Height="56px"
TextMode="MultiLine" Width="388px"></asp:TextBox>
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
ControlToValidate="TextBox1" ErrorMessage="please enter your
address"></asp:RequiredFieldValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style4">Mobile Number</td>
```

```
                <td>
                    <asp:TextBox ID="TextBox2" runat="server" Width="387px"></asp:TextBox>
                    <br />
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
ControlToValidate="TextBox2" ErrorMessage="Enter your phone
number"></asp:RequiredFieldValidator>
                    <br />
                    <asp:RegularExpressionValidator ID="RegularExpressionValidator2"
runat="server" ControlToValidate="TextBox2" ErrorMessage="Invalid Mobile_No"
ValidationExpression="[0-9]{10}"></asp:RegularExpressionValidator>
                    <br />
                </td>
            </tr>
        </table>
        <br />
        <br />
        <asp:Button ID="Button1" runat="server" Text="Place Order" OnClick="Button1_Click"
BorderColor="Red" Font-Bold="True" ForeColor="#CC0000" />
    </form>
</body>
</html>
```

Placedorder.aspx.cs:-

```
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 Visual
{
    public partial class PlaceOrder : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                DataTable dt = new DataTable();
                DataRow dr;
                dt.Columns.Add("sno");
                dt.Columns.Add("ProductID");
                dt.Columns.Add("Productname");
                dt.Columns.Add("quantity");
                dt.Columns.Add("Price");
                dt.Columns.Add("totalprice");
                dt.Columns.Add("Productimage");

                if (Request.QueryString["id"] != null)
                {
                    if (Session["buyitems"] == null)
                    {
                        dr = dt.NewRow();
                        String mycon = "Data Source=GUDIA\\SQLEXPRESS;Initial
Catalog=OnlineWebsite;Integrated Security=True";
                        SqlConnection scon = new SqlConnection(mycon);
                        String myquery = "Select * from productDetails where ProductID=" +
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["sno"] = 1;
                        dr["ProductID"] = ds.Tables[0].Rows[0]["ProductID"].ToString();
                        dr["Productname"] = ds.Tables[0].Rows[0]["Productname"].ToString();
                        dr["Productimage"] =
ds.Tables[0].Rows[0]["Productimage"].ToString();
                        dr["quantity"] = Request.QueryString["quantity"];
                        dr["Price"] = ds.Tables[0].Rows[0]["Price"].ToString();
                        int Price =
Convert.ToInt16(ds.Tables[0].Rows[0]["Price"].ToString());
                        int quantity =
Convert.ToInt16(Request.QueryString["quantity"].ToString());
                        int totalprice = Price * quantity;
                        dr["totalprice"] = 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("AddCart.aspx");
                    }

                    else
                    {
                        dt = (DataTable)Session["buyitems"];
                        int sr;
                        sr = dt.Rows.Count;

                        dr = dt.NewRow();
                        String mycon = "Data Source=GUDIA\\SQLEXPRESS;Initial
Catalog=OnlineWebsite;Integrated Security=True";
                        SqlConnection scon = new SqlConnection(mycon);
                        String myquery = "Select * from productDetails where ProductID=" +
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["sno"] = sr + 1;
                        dr["ProductID"] = ds.Tables[0].Rows[0]["ProductID"].ToString();
                        dr["Productname"] = ds.Tables[0].Rows[0]["Productname"].ToString();
                        dr["Productimage"] =
ds.Tables[0].Rows[0]["Productimage"].ToString();
                        dr["quantity"] = Request.QueryString["quantity"];
                        dr["Price"] = ds.Tables[0].Rows[0]["Price"].ToString();
                        int Price =
Convert.ToInt16(ds.Tables[0].Rows[0]["Price"].ToString());
                        int quantity =
Convert.ToInt16(Request.QueryString["quantity"].ToString());
                        int totalprice = Price * quantity;
                        dr["totalprice"] = 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("AddCart.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();
                    }
                }
                Label1.Text = GridView1.Rows.Count.ToString();
                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]["totalprice"].ToString());
                i = i + 1;
            }
            return gtotal;
        }
        public void findorderid()
        {
            String pass = "abcdefghijklmnopqrstuvwxyz123456789"; 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.Month.ToString() + DateTime.Now.Year.ToString() + new string(mypass);
            Label3.Text = orderid;

        }

        public void saveaddress()
        {
            String updatepass = "insert into OrderAddress(orderid,address,mobilenumber)
values('" + Label3.Text + "','" + TextBox1.Text + "','" + TextBox2.Text + "')";
            String mycon1 = "Data Source=GUDIA\\SQLEXPRESS;Initial
Catalog=OnlineWebsite;Integrated Security=True";
            SqlConnection s = new SqlConnection(mycon1);
            s.Open();
            SqlCommand cmd1 = new SqlCommand();
            cmd1.CommandText = updatepass;
            cmd1.Connection = s;
            cmd1.ExecuteNonQuery();
```

```
            s.Close();
        }



        protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
        {

        }

        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 srl;
                string qdata;
                string dtdata;
                sr = Convert.ToInt32(dt.Rows[i]["sno"].ToString());
                TableCell cell = GridView1.Rows[e.RowIndex].Cells[0];
                qdata = cell.Text;
                dtdata = sr.ToString();
                srl = Convert.ToInt32(qdata);
                if (sr == srl)
                {
                    dt.Rows[i].Delete();
                    dt.AcceptChanges();
                    //Lable.Text = "Item has been deleted from shopping cart";
                    break;
                }
            }
            for (int i = 1; i <= dt.Rows.Count; i++)
            {
                dt.Rows[i - 1]["sno"] = i;
                dt.AcceptChanges();
            }
            Session["buyitems"] = dt;
            Response.Redirect("AddCart.aspx");
        }



        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,sno,ProductID,Productname,Price,quantity,dateoforder) values('" +
Label3.Text + "'," + dt.Rows[i]["sno"] + "," + dt.Rows[i]["ProductID"] + ",'" +
                dt.Rows[i]["Productname"] + "'," + dt.Rows[i]["Price"] + "," +
dt.Rows[i]["quantity"] + ",'" + Label2.Text + "')";
                String mycon1 = "Data Source=GUDIA\\SQLEXPRESS;Initial
Catalog=OnlineWebsite;Integrated Security=True";
                SqlConnection s = new SqlConnection(mycon1);
                s.Open();
                SqlCommand cmd1 = new SqlCommand();
                cmd1.CommandText = updatepass;
                cmd1.Connection = s;
                cmd1.ExecuteNonQuery();
                s.Close();
            }
```

```
            saveaddress();
            Response.Redirect("PlacedSuccessfully.aspx");
        }
    }
}
```

Placedsuccessfully.aspx:-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="PlacedSuccessfully.aspx.cs"
Inherits="Visual.PlacedSuccessfully" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body style="background-color:lightcyan; align-content:center;">
    <form id="form1" runat="server">
        <div>

            <asp:Label ID="Label1" runat="server" Text="Your order is placed successfully!
Thank You For Shopping With Us"></asp:Label>

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

AddProduct.aspx:-

```
<%@ Page Title="" Language="C#" MasterPageFile="~/design.Master" AutoEventWireup="true"
CodeBehind="AddProduct.aspx.cs" Inherits="Visual.AddProduct" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
    <style type="text/css">
        .auto-style1 {
            height: 26px;
        }
        .auto-style2 {
            height: 30px;
        }
    </style>
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
    <table class="auto-style1">
                <tr style="align-content:center">
                    <td colspan="2" align="center"> Adding Product</td>
                </tr>

                <tr>
                    <td >
                        <h3>Product Id</h3>
                    </td>
                    <td>
                        <asp:TextBox ID="TextBox1" runat="server"
Width="196px"></asp:TextBox>
                    </td>
                </tr>
                <tr>
                    <td class="auto-style1">
                      <h3>Product Name</h3>

                    </td>
```

```
                    <td class="auto-style1" >
                        <asp:TextBox ID="TextBox2" runat="server"
Width="196px"></asp:TextBox>
                    </td>
                </tr>


                <tr>
                    <td>
                     <h3>Product Image</h3>

                    </td>
                    <td>
                        <asp:FileUpload ID="FileUpload1" runat="server" />
                    </td>
                </tr>

                <tr>
                    <td >
                        <h3>Product Price</h3>

                    </td>
                    <td>
                        <asp:TextBox ID="TextBox4" runat="server"
Width="196px"></asp:TextBox>
                    </td>
                </tr>

                <tr>
                    <td class="auto-style2"></td>
                    <td class="auto-style2">
                        <asp:Button ID="Button1" runat="server" Text="Add"
OnClick="Button1_Click" />
                    </td>
                </tr>
                <tr>
                    <td>
                        <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
                        </td>

                </tr>
            </table>
</asp:Content>
```

AddProduct.aspx.cs:-

```
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 Visual
{
    public partial class AddProduct : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }
```

```
        protected void Button1_Click(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection("Data Source=GUDIA\\SQLEXPRESS;Initial
Catalog=OnlineWebsite;Integrated Security=True");
            if (FileUpload1.HasFile)
            {
                string filename = FileUpload1.PostedFile.FileName;
                string filepath = "images/" + FileUpload1.FileName;
                FileUpload1.PostedFile.SaveAs(Server.MapPath("~/images/") + filename);
                con.Open();
                SqlCommand cmd = new SqlCommand("INSERT INTO productDetails values('" +
TextBox1.Text + "','" + TextBox2.Text + "','" + filepath + "','" + TextBox4.Text + "')",
con);
                cmd.ExecuteNonQuery();
                con.Close();
                //Response.Redirect("MyDefaultPage.aspx");

            }
        }
    }
}
```

About Us.aspx:-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="About Us.aspx.cs"
Inherits="Visual.About_Us" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="background-color:lightcyan;">
            <p>
                Electronic gadgets are appliances which work on technology or electronic
technology.
                In simple example calculators is an electronic gadget. Using which we can
calculate bigger amount easily. It is a form of modern gadget.
                Modern gadgets are those include advanced technology.
            </p>
        </div>
    </form>
</body>
</html>
```

Contact Us.aspx:-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Contact Us.aspx.cs"
Inherits="Visual.Contact_Us" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="background-color:lightcyan;">
```

```
            <table align="center" class="auto-style30">
                <tr>
                    <td class="auto-style31" align="center">
                        <asp:Label ID="Label19" runat="server" Text="Contact Us" Font-
Bold="true"></asp:Label>
                    </td>
                    <td class="auto-style32" align="center">
                        <asp:Label ID="Label20" runat="server" Text="Customer Service" Font-
Bold="true"></asp:Label>
                    </td>
                </tr>
                <tr>
                    <td class="auto-style34" align="center" >
                        <asp:Label ID="Label21" runat="server" Text="Hsr Layout,
Bangalore"></asp:Label>
                    </td>
                    <td class="auto-style35" align="center">
                        <asp:HyperLink ID="HyperLink6" runat="server" ForeColor="Black"
NavigateUrl="~/Project/Terms of Service.aspx" Font-Underline="False">Terms of
Service</asp:HyperLink>
                    </td>
                </tr>
                <tr>
                    <td class="auto-style31" align="center">
                        <asp:Label ID="Label22" runat="server" Text="080-25723743,
9845502198"></asp:Label>
                    </td>
                    <td class="auto-style32" align="center">
                        <asp:HyperLink ID="HyperLink7" runat="server" ForeColor="Black"
NavigateUrl="~/Project/Refund Policy.aspx" Font-Underline="False">Refund
Policy</asp:HyperLink>
                    </td>
                </tr>
                <tr>
                    <td class="auto-style31" align="center">
                        <asp:Label ID="Label23" runat="server"
Text="onlineshopping@gmail.com"></asp:Label>
                    </td>
                    <td class="auto-style32" align="center">
                        <asp:HyperLink ID="HyperLink8" runat="server" ForeColor="Black"
NavigateUrl="~/Project/Privacy Policy.aspx" Font-Underline="False">Privacy
Policy</asp:HyperLink>
                    </td>
                </tr>
            </table>
        </div>
    </form>
</body>
</html>
```

REFERRENCE

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