



Bachelor of Computer Applications (BCA) Programme

Project Report

BCA Sem V

AY 2022-23

Online Shopping - Cosmetic

by

| Roll No. | Name of Student |
|----------|-----------------------------|
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Project Guide by :

Prof.Nidhi Desai



E – Commerce - Cosmetic



SDJ INTERNATIONAL
COLLEGE

CERTIFICATE

This is to certify that Ms. KAPADIA MANSI SHAILESHKUMAR examination number 095 has satisfactorily completed her project work entitled **Online Shopping - Cosmetic** as partial fulfilment of requirements for BCA Sem V, during the academic year 2022-21.

Date:

Place: Surat

Prof.Nidhi Desai

SDJ International College,

Surat



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Introduction

1.1 Project Summary

This is an **Online Shopping (E – Commerce) - Cosmetic** project for the learner of **ASP.net**. The system has 2 sides of users which are the **Admin** and the **User**. The **Admin** user is in charge of managing the Account, Manage Product (Insert Update Delete), It also search Product and Download Product. The **Regular User** will be the one who can **Login** view Multiple product – select particular order and give order. This Project using MS - SQLSERVER for the database. The system is user-friendly and has a simple user interface.

It's tough to imagine daily life without e-commerce. We order food, clothes, and furniture; we register for classes and other online services; we download books, music, and movies; and so much more. E-commerce has taken root and is here to stay.

The term “e-commerce” simply means the sale of goods or services on the internet. In its most basic form, e-commerce involves electronically transferring funds and data between 2 or more parties.



1.2 Project Technical Profile

Software Requirements

| Software Configuration | |
|------------------------|-------------------------|
| Operating System | Window 10 or Windows 11 |
| Front – End | ASP.NET |
| Back – End | MS – SQLSERVER |

Hardware Requirement

| Hardware Configuration | |
|------------------------|---|
| Processor | 11th Gen Intel(R) Core(TM) i5-1135G7 @ 2.40GHz 2.42 GHz |
| RAM | 8.00 GB |
| Hard Disk | 512 SSD |
| System Type | 64 – bit Operating System, x64 – based Processor |



Scope & Planning

SCOPE

- **Online Shopping – Cosmetic** is E – Commerce Web Application.
- This Web Application is developing with the purpose of providing Login, Product Information and booking.
- Unregister user can't enter in System.
- It provides different Product Information in almost different country.
- Get various Product details fare information.
- Get various Product and their details.
- View latest and best deal on the day.
- The site will help to estimate the benefits and calculate the requirement very easily.
- Registered User can order product, View Product, View order details.

Objective

- The creation of a unique, upscale, innovative and tour Packages that will differentiate from other sites.
- To serve its customers with best possible quality and provide them maximum facilities with less price.
- To provide transportation with best possible quality and comfort as per our customers need.
- Ensure Customer satisfaction.



2.1 Requirement Analysis

Success of any system depends mostly on how well Data/Requirement gathering are done. It provides direction to system analyst and designers to design a system that is efficient.

- To gather requirement for Airline Reservation System, following steps were carried out We got several information from Prof. **Mrs. Nidhi Desai** (as our Project Guide). She helped us to understand required functionalities, also noted down some useful features to be included and also to know what about input and output.
- We also consulted senior experts for technical problems.
- We also visited websites for getting knowledge about existing system.
- E.g. <https://en.wikipedia.org/wiki/E-commerce>

Understanding the Process of System:

- How to Manage all Forms?
- How to Manage Login and Registration Process?
- How to know How Many users are Created and How many Queries are Generated on the Particular Day?
- How to Manage All Forms linked with Each Other?
- How to Manage the Bunch of a Particular Member So that It can have the Security purpose and Keep the Data Private?
- How to Perform All User Security Level and Perform A Authentication and Give Personal Account to each User for Security Purpose?

➤ USER-SITE:

Our model is Diligently Focused on Ensuring a Positive Customer Experience That in Booking Flight across over world.

- ✓ User can Registered and Login in System.
- ✓ System should provide facility to Inquiry from admin.
- ✓ System should provide View Multiple Products.
- ✓ System should provide View can details of Particular Product .
- ✓ System should provide facility to manage Order Details.



➤ **ADMIN-SITE:**

System should provide following information to Admin.

- Registered User
- Registered New Admin
- Admin Login
- Manage Product (CRUD Operation)
- Search Product and Download in different format



2.2 Feasibility Study

A feasibility study is determined the possibility or probability of either improving the existing system or developing a completely new system. It helps to obtain an overview of the problem and to get rough assessment of whether feasible solution exists.

There are many aspects in feasibility study portion of the preliminary investigation.

Technological Feasibility:-

- The technical Feasibility work for the project is done with the present equipment, manual procedures, and existing software technology & available technology hardware.
- The necessary technology, front-end, backend database technology, and other tools namely reporting tool, installation tools, etc., (as mentioned in the project profile) for developing the system, are already available within the organization.

Economical Feasibility:-

- Economic feasibility looks at the financial aspects of the project.
- Economic feasibility concerns with the returns from the investment in a project.
- It determines whether it is worthwhile to invest the money in the proposed system. It is not worthwhile spending a lot of money on a project for no returns.
- To carry out an economic feasibility for a system, it is necessary to place actual money value against any purchases or activities needed to implement the project.

Operational Feasibility:-

- This phase is system operations performed by proposed system in this phase here.
- Testing is the important point is user will be operating the system.
- System will work under any condition .System will allow entering & retrieving of Data only to authorized user to operate the system.
- It will work any full efficiency & accuracy as used to work with particular computer.
- There is sufficient support to the project from the management and from the intended users of the system.



2.3 Future Development

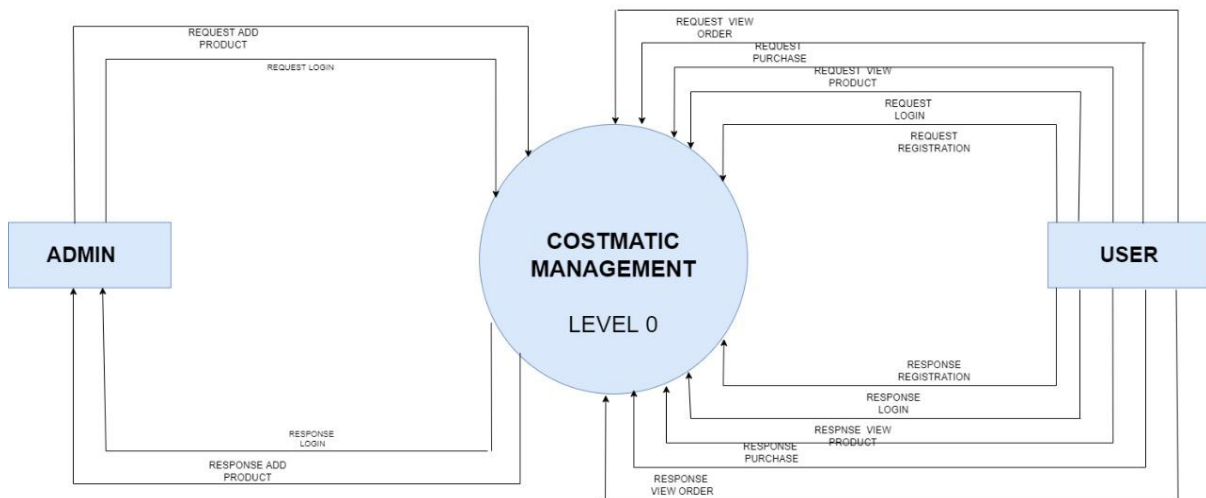
It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

- Provide More Security.
- Add More Functionality in Searching for Different Product.
- Good facility for forgot password.
- User can check the privacy setting for their account.
- User can check the change password.
- New Option Display Reports.

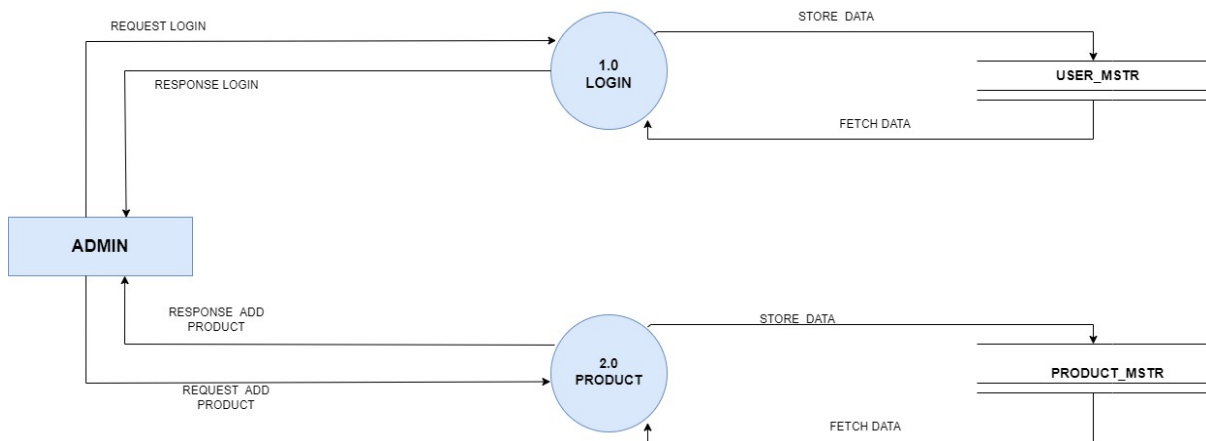


Designing

3.1 DFD (Data Flow Diagram)



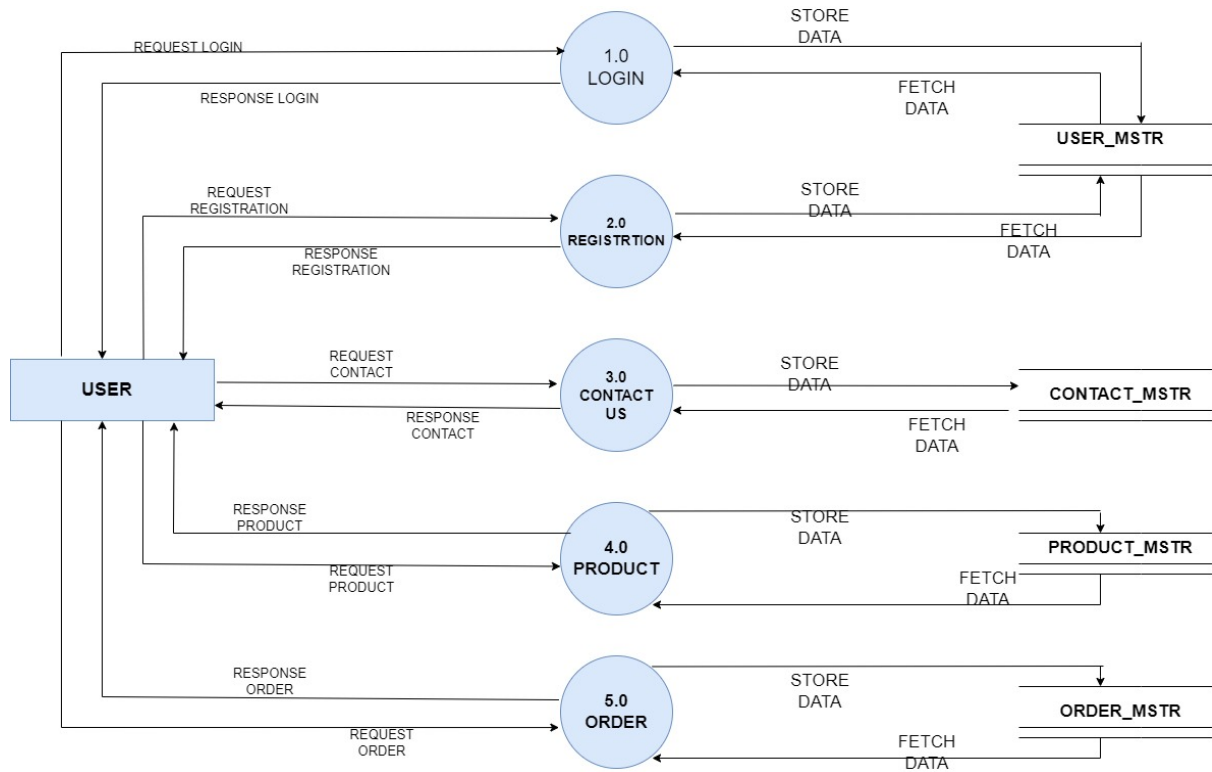
Level 0 System



Admin 1st Level



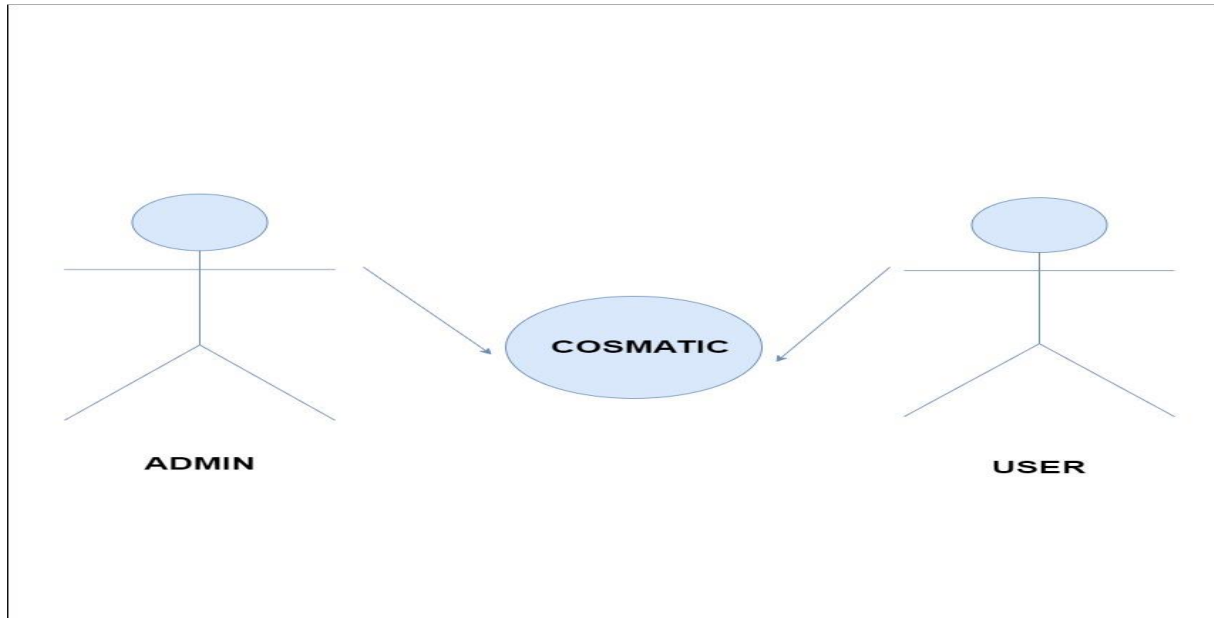
E – Commerce - Cosmetic



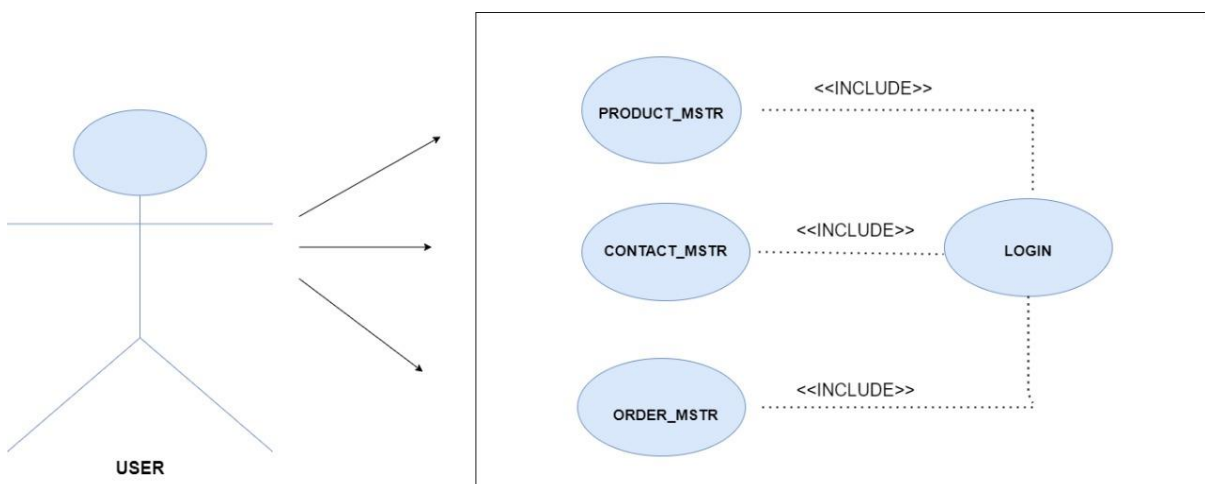
User 1st Level



3.2 Use Case Diagram

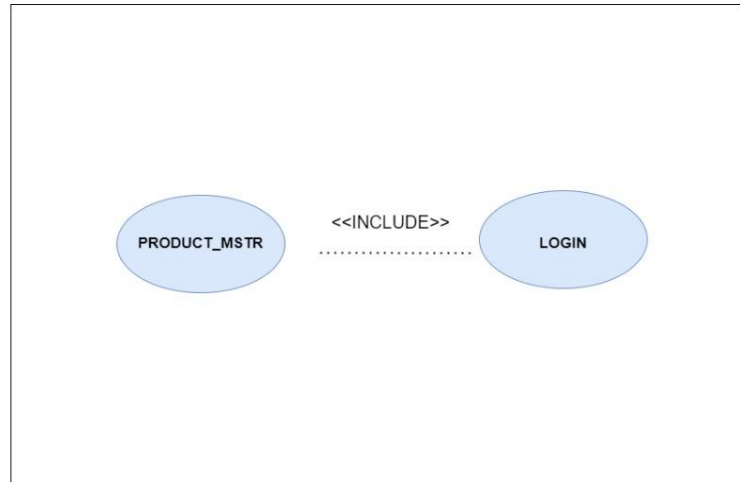
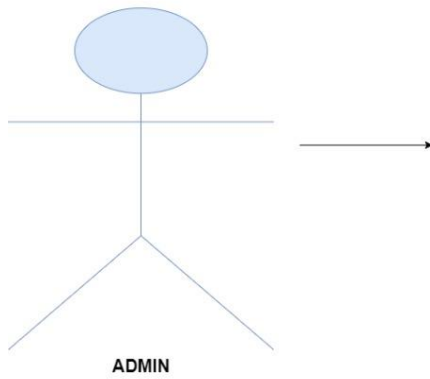


User Functionality



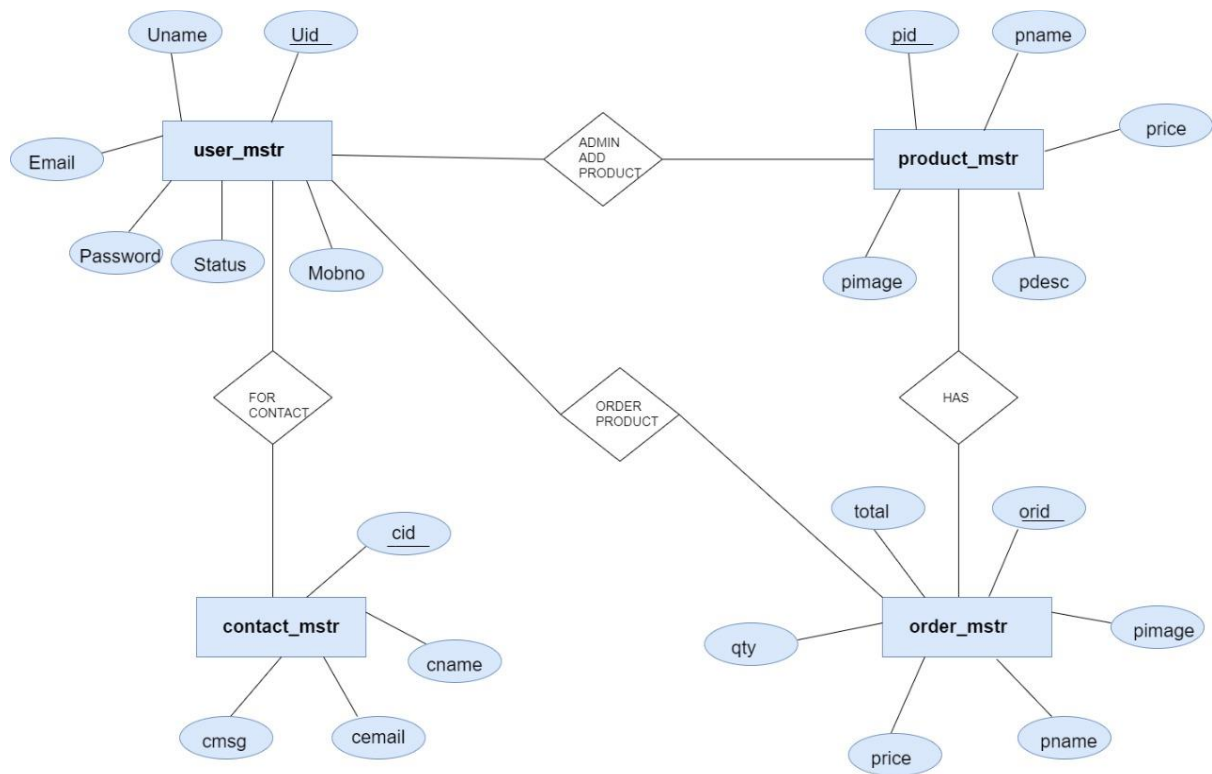


Admin Functionality





3.3 Entity - Relationship Diagram





3.4 Database Design

Table Name : contact_mstr

Description : This table is give details about contact information

| Field Name | Field Type | Constraint | Description |
|---------------|---------------|------------|-------------------|
| cid | AutoIncrement | PrimaryKey | Id |
| cname | nvarchar(50) | Not Null | Name of Person |
| cemail | nvarchar(50) | Not Null | Emailid of Person |
| cmsg | nvarchar(50) | Not Null | Message of Person |

Table Name : order_mstr

Description : This table is for order for user.

| Field Name | Field Type | Constraint | Description |
|---------------|---------------|------------|-----------------|
| orid | AutoIncrement | PrimaryKey | Id of order |
| uname | nvarchar(50) | Not Null | Name of User |
| pname | nvarchar(50) | Not Null | Name of Product |
| price | int | Not Null | Product Price |
| qty | int | Not Null | Product Qty |
| pimage | nvarchar(50) | Not Null | Product Image |
| total | int | Not Null | Total Amount |

Table Name : product_mstr

Description : This table is give details about flights information

| Field Name | Field Type | Constraint | Description |
|---------------|---------------|------------|---------------|
| pid | Autoincrement | PrimaryKey | Product Id |
| pname | nvarchar(50) | Not Null | Product Name |
| price | int | Not Null | Product Price |
| pdesc | nvarchar(50) | Not Null | Description |
| pimage | nvarchar(50) | Not Null | Product Image |

Table Name :user_master

Description : This table is for Details of User.


| Field Name | Field Type | Constraint | Description |
|-----------------|--------------------|------------|---------------------|
| UId | int identity(1, 1) | PrimaryKey | Id of user |
| Uname | nvarchar(50) | Not Null | User Name |
| Email | nvarchar(50) | Not Null | Email Address |
| Password | nvarchar(50) | Not Null | Password |
| Mobno | numeric(18,0) | Not Null | Mobile No |
| Status | int | Not Null | Status – Admin/User |



3.5 User Interface

Login Page

[Login](#) / [Register](#) / [Contact](#)



[SIGN IN](#) [REGISTER](#) [CONTACT US](#) [ABOUT US](#) [PRODUCT](#) [PURCHASE](#) [ORDER](#)

LOG IN

LOG IN

Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam sem purus, interdum a mi eget.

Email

Password

[Forgot your password?](#)

LOG IN

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Designed by Michael Kowalski | Coded by MANSI KAPADIA

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Design

```
<div class="phase-title current">
  <h1>LOG IN</h1>
</div>

<div class="row-fluid">
  <div class="span6">
    <div class="form-holder ">
      <h4>LOG IN</h4>
      <p>
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sem
        purus, interdum a mi eget.
      </p>
      <form runat="server">
        <div class="control-group">

          <div class="controls">
            <div class="form-label ">Email</div>
            <asp:TextBox ID="txtmail" runat="server" class="required
span12 cusmo-input"></asp:TextBox>

          </div>
        </div>

        <div class="control-group">
```



```
<div class="controls">
    <div class="form-label ">Password</div>
    <asp:TextBox ID="txtpass" runat="server" class="required
span12 cusmo-input" textmode="password"></asp:TextBox>

    </div>
</div>
<div class="rememberme">
    <asp:Label ID="Label1" runat="server"></asp:Label>
</div>
<div class="forget-password">

    <a href="#">Forgot your password?</a>

</div>
<div class="button-holder">
    <asp:Button ID="btn_login" runat="server" Text="log in"
class="cusmo-btn narrow " />
</div>
</form>
</div>

</div>

</div>
```

Coding

```
Imports System.Data.SqlClient
Partial Class User_Default
    Inherits System.Web.UI.Page
    Dim cn As New SqlConnection("Data
Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\user_mstr.mdf;Integrated
Security=True;User Instance=True")
    Dim cmd As New SqlCommand
    Dim qry As String
    Dim dr As SqlDataReader
    Protected Sub btn_login_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles btn_login.Click
        cn.Open()
        qry = "select * from user_mstr where email='" & txtmail.Text & "' and password='" &
txtpass.Text & "'"
        cmd = New SqlCommand(qry, cn)
        dr = cmd.ExecuteReader
        If dr.HasRows Then
            dr.Read()
            Dim status As Integer
            status = dr("status")
```




```
If status = 0 Then
    Session("uname") = dr("uname")
    Response.Redirect("Displayproduct.aspx")
Else
    Response.Redirect("../Admin/AdminHome.aspx")
End If

Else
    Label1.Text = "Invalid...."
End If

cn.Close()
End Sub
End Class
```

Register Page

[Login](#) / [Register](#) / [Contact](#)



[SIGN IN](#) [REGISTER](#) [CONTACT US](#) [ABOUT US](#) [PRODUCT](#) [PURCHASE](#) [ORDER](#)

SIGN UP

New Member

Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam sem purus, interdum a mi eget.

Name

Email

Password

Mob No

[BUTTON](#)

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Design

```
<div class="phase-title current">
    <h1>SIGN UP</h1>
</div>

<div class="row-fluid">

    <div class="span6">
        <div class="form-holder" >
```



<h4>new member</h4>

<p>

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sem purus, interdum a mi eget.

</p>

<form runat="server" >

<div class="control-group">

<div class="controls">

<div class="form-label ">Name</div>

<asp:TextBox ID="txtname" runat="server" class="required span12 cusmo-input"></asp:TextBox>

</div>

</div>

<div class="control-group">

<div class="controls">

<div class="form-label ">Email</div>

<asp:TextBox ID="txtmail" runat="server" class="required span12 cusmo-input"></asp:TextBox>

</div>

</div>

<div class="control-group">

<div class="controls">

<div class="form-label ">Password</div>

<asp:TextBox ID="txtpass" runat="server" class="required span12 cusmo-input"></asp:TextBox>

</div>

</div>

<div class="control-group">

<div class="controls">

<div class="form-label ">Mob No</div>

<asp:TextBox ID="txtmobno" runat="server" class="required span12 cusmo-input"></asp:TextBox>

</div>

</div>

<asp:Button ID="btn_SignUp" runat="server" Text="Button" class="cusmo-btn narrow pull-right" />

</form>



```
</div>  
</div>  
</div>
```

Coding

```
Imports System.Data.SqlClient  
Partial Class User_Default  
    Inherits System.Web.UI.Page  
    Dim cn As New SqlConnection("Data  
Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\user_mstr.mdf;Integrated  
Security=True;User Instance=True")  
    Dim cmd As New SqlCommand  
    Dim qry As String  
    Protected Sub btn_SignUp_Click(ByVal sender As Object, ByVal e As  
System.EventArgs) Handles btn_SignUp.Click  
        cn.Open()  
        qry = "insert into user_mstr values('" & txtname.Text & "','" & txtmail.Text & "','" &  
txtpass.Text & "','" & txtmobno.Text & ",0)"  
        cmd = New SqlCommand(qry, cn)  
        cmd.ExecuteNonQuery()  
        cn.Close()  
        Response.Redirect("SignIn.aspx")  
    End Sub  
End Class
```



About Us

[Login](#) / [Register](#) / [Contact](#)



[SIGN IN](#) [REGISTER](#) [CONTACT US](#) [ABOUT US](#) [PRODUCT](#) [PURCHASE](#) [ORDER](#)

ABOUT THE PERFUME SHOP

For 30 years we have been selling the widest range of women's perfumes and men's aftershaves at affordable prices. We stock the fragrances of nearly 130 brands including Hugo Boss, Paco Rabanne, Gucci, Ariana Grande and Marc Jacobs both online and across our network of over 250 nationwide stores. We also stock the luxury perfume brands Dior, Viktor & Rolf and Hermès.

Not only do we have the experience of selling perfumes, we also have the expertise to match. Our staff are trained and developed so that they are the most knowledgeable sales advisors within the perfume industry and we can even boast about having the largest number of fragrance graduates nationwide.

Online we offer standard delivery from our Dublin warehouse, click and collect in 30 minutes, or the next working day, and we've even introduced a "Try Me" option on some of our most popular products where you'll receive a free sample, so if you're choosing a new perfume or aftershave you can smell that before you open your order.

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Design

```
<div>  
  <h1 style="text-align:center;font-size:xx-large;text-weight:bold">ABOUT THE  
  PERFUME SHOP</h1><br><br></hr>  
  <p>
```

For 30 years we have been selling the widest range of women's perfumes and men's aftershaves at affordable prices. We stock the fragrances of nearly 130 brands including Hugo Boss, Paco Rabanne, Gucci, Ariana Grande and Marc Jacobs both online and across our network of over 250 nationwide stores. We also stock the luxury perfume brands Dior, Viktor & Rolf and Hermès.

```
<p>Not only do we have the experience of selling perfumes, we also have the expertise to  
match. Our staff are trained and developed so that they are the most knowledgeable sales  
advisors within the perfume industry and we can even boast about having the largest number  
of fragrance graduates nationwide.</p><br>
```

Online we offer standard delivery from our Dublin warehouse, click and collect in 30 minutes, or the next working day, and we've even introduced a "Try Me" option on some of our most popular products where you'll receive a free sample, so if you're choosing a new perfume or aftershave you can smell that before you open your order.

```
</p>  
</div>
```

Contact Us

Logo

Register

Contact

Cosmetico

SIGN IN

REGISTER

CONTACT US

ABOUT US

PRODUCT

PURCHASE

ORDER

Leave Message

Name

Your Message

Email

Button

Contact Information

Cusmotico shop

Good Town 122.Beauty Center

New York, USA

Information:

+1 (123) 456 7890

Delivery

+45 (123) 321 1221

info@example.com

Design

```
<section class="section-contact">
  <div class="container">

    <div class="row-fluid">
      <div class="span6">
        <div class="contact-form-holder">

          <h4>leave message</h4>

          <div class="message-box"></div>

          <form runat="server">

            <div class="control-group inline-block span6">

              <div class="controls">
                <label class="form-label">Name</label>
                <asp:TextBox id="cname" name="name" class="required cusmo-
input span12" runat="server"></asp:TextBox>

              </div>
            </div>

            <div class="control-group inline-block span6">

              <div class="controls">
                <label class="form-label">Email</label>
```



```
<asp:TextBox ID="cemail" name="mail" class="required
cusmo-input span12" runat="server"></asp:TextBox>

</div>
</div>

<div class="control-group">

    <div class="controls">
        <label class="form-label">Your Message</label>
        <asp:TextBox ID="ccomment" runat="server" name="msj"
class="required span12 cusmo-input"></asp:TextBox>
    </div>
</div>
<asp:Button ID="Button1" runat="server" Text="Button"
class="submit cusmo-btn narrow"></asp:Button>
<div class="text-right">

</div>
<div id="loading" class="pull-right">
    
</div>

</form>
</div>
</div>
<div class="span6">
    <div class="contact-info-boxes">
        <h4>contact information</h4>
        <div class="row-fluid contact-info">
            <div class="span6">
                <p>
                    Cusmotico shop<br>
                    Good Town 122,Beauty Center<br>
                    New York, USA<br><br>
                    <a class="email-link"
href="mailto:info@example.com">info@example.com</a>
                </p>
            </div>
            <div class="span6">
                <p>

<strong>Information:</strong><br>
+1 (123) 456 7890<br><br>

<strong>Delivery</strong><br>
+45 (123) 321 1221
                </p>
            </div>
        </div>
    </div>
</div>
```




```
</p>
</div>
</div>
</div>
</div>
</div>
</div>
</section>
```

Coding

```
Imports System.Data.SqlClient
Partial Class User_Default
    Inherits System.Web.UI.Page
    Dim cn As New SqlConnection("Data
Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\user_mstr.mdf;Integrated
Security=True;User Instance=True")
    Dim cmd As New SqlCommand
    Dim qry As String
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Button1.Click
        cn.Open()
        qry = "insert into contact_mstr values('" & cname.Text & "','" & cemail.Text & "','" &
ccomment.Text & "')"
        cmd = New SqlCommand(qry, cn)
        cmd.ExecuteNonQuery()
        cn.Close()
    End Sub
End Class
```



Home Page

[Login](#) / [Register](#) / [Contact](#)



[PRODUCT](#) [PURCHASE](#) [ORDER](#) [LOGOUT](#)

Hot products



VERSACE
VERSACE
toilet water spray
RS 270.00



VERSACE
ESTEE LAUDER
toilet water spray
RS 270.00



VERSACE
BURBERRY
toilet water spray
RS 270.00

WELCOME MANSI



VERSACE
VERSACE
toilet water spray
RS 270.00



VERSACE
VERSACE
toilet water spray
RS 270.00



VERSACE
ESTEE LAUDER
toilet water spray
RS 270.00



VERSACE
BURBERRY
toilet water spray
RS 270.00



VERSACE
VERSACE
toilet water spray
RS 270.00



VERSACE
VERSACE
toilet water spray
RS 270.00



VERSACE
BURBERRY
toilet water spray
RS 270.00

LOAD MORE HOT PRODUCTS



Design

```
<form id="form1" runat="server">

<section class="section-home-products">
  <div class="container">
    <div class="controls-holder nav-tabs">
      <ul class="inline">
        <li class="active"><a data-toggle="tab" href="#hot-products">Hot
products</a></li>

      </ul>
    </div>
    <div class="tab-content">
      <div id="hot-products" class="products-holder active tab-pane ">
        <div class="row-fluid">
          <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
          <asp:Repeater ID="Repeater1" runat="server"
DataSourceID="SqlDataSource1">

            <ItemTemplate>
              <div class="span3">
                <div class="product-item">

                  <a href="products-page.html">
                    " />
                    <h1>versace</h1>
                  </a>
                  <div class="tag-line">
                    <span><%#Eval("pname") %></span>
                    <span>toilet water spray</span>
                  </div>
                  <div class="price">
                    RS 270.00
                  </div>
                  <a class="cusmo-btn add-button"
href='Purchase.aspx?pid=<%#Eval("pid") %>'>add to cart</a>
                </div>
              </div>
            </ItemTemplate>

          </asp:Repeater>

          <asp:SqlDataSource ID="SqlDataSource1" runat="server"
            ConnectionString="<%$ ConnectionStrings:ConnectionString %>"
            SelectCommand="SELECT * FROM
[product_mstr]"></asp:SqlDataSource>
```



```
<div class="load-more-holder">
  <a href="#hot-products" class="load-more">
    load more hot products
  </a>
</div>

</div>

</section>

</form>
```

Coding


Partial Class User_Default
Inherits System.Web.UI.Page

```
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
  If Session("uname") <> "" Then
    Label1.Text = "WELCOME " & Session("uname")
  Else
    Response.Redirect("SignIn.aspx")
  End If
End Sub
End Class
```




Product Details

[Login](#) / [Register](#) / [Contact](#)



[PRODUCT](#) [PURCHASE](#) [ORDER](#) [LOGOUT](#)

VERSACE - Soft Clean Silky Hydrating Lotion



ID : 2
YELLOW DIAMOND

RS : 270

[PURCHASE](#)

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Design

```
<form id="form1" runat="server">
```

```
<asp:Repeater ID="Repeater1" runat="server" DataSourceID="SqlDataSource1">  
<ItemTemplate>
```

```
<div class="span9 ">  
    <div class="page-content">  
        <div class="products-page-head">  
            <h1><%#Eval("pname") %></h1>  
            <div class="tag-line">  
                - soft clean silky hydrating lotion  
            </div>  
        </div>  
        <div class="row-fluid">  
            <div class="span7">  
                <div class="flexslider product-gallery">  
                    <ul class="slides">  
                        <li data-thumb="images/p1.jpg">  
                            <img alt="" src='../Pimage/<%#Eval("pimage") %>' />  
                        </li>  
                    </ul>  
                </div>  
            </div>  
            <div class="span5">  
                <div class="product-info-box">
```



Page :30



```
</asp:DropDownList>
<div class="buttons-holder">
    <asp:Button ID="btn_purchase" runat="server" Text="PURCHASE" class="cusmo-btn
add-button" />

</div>

<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:ConnectionString %>"
SelectCommand="SELECT * FROM [product_mstr] WHERE ([pid] = @pid)">
    <SelectParameters>
        <asp:QueryStringParameter Name="pid" QueryStringField="pid" Type="Int32" />
    </SelectParameters>
</asp:SqlDataSource>

</form>
```

Coding

```
Imports System.Data.SqlClient
Partial Class User_Default
    Inherits System.Web.UI.Page
    Dim cn As New SqlConnection("Data
Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\user_mstr.mdf;Integrated
Security=True;User Instance=True")
    Dim cmd As New SqlCommand
    Dim qry As String
    Dim dr As SqlDataReader

    Protected Sub ddlqty_SelectedIndexChanged(ByVal sender As Object, ByVal e As
System.EventArgs) Handles ddlqty.SelectedIndexChanged
        ViewState("tamt") = ViewState("price") * ddlqty.SelectedItem.Text
        lbltamt.Text = ViewState("tamt")
    End Sub

    Protected Sub btn_purchase_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles btn_purchase.Click
        cn.Open()
        qry = "insert into order_mstr values('" & Session("Uname") & "','" &
ViewState("pname") & "','" & ViewState("price") & "','" & ddlqty.Text & "','" &
ViewState("pimage") & "','" & ViewState("tamt") & "')"
        cmd = New SqlCommand(qry, cn)
        cmd.ExecuteNonQuery()

        cn.Close()
        Response.Redirect("ShoppingCart.aspx")
    End Sub
```



Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

If Not IsPostBack Then

Dim pid As Integer

pid = Request.QueryString.Get("pid")

cn.Open()

qry = "select * from product_mstr where pid=" & pid

cmd = New SqlCommand(qry, cn)

dr = cmd.ExecuteReader

If dr.HasRows Then

dr.Read()

ViewState("pname") = dr("pname")

ViewState("price") = dr("price")

ViewState("pimage") = dr("pimage")

ViewState("tamt") = dr("price")

End If






cn.Close()

End If

End Sub

End Class

Order Page

| Login / Register / Contact | | | | | |
|---|--------------|---|-------|----------|-------|
|  | | | | | |
| PRODUCT PURCHASE ORDER LOGOUT | | | | | |
| ID | PRODUCT NAME | IMAGE | PRICE | QUANTITY | TOTAL |
| 10 | ESTEE LAUDER |  | 122 | 1 | 122 |
| 11 | BURBERRY |  | 120 | 3 | 360 |
| 12 | VERSACE |  | 20 | 5 | 100 |
| 9 | BURBERRY |  | 120 | 4 | 480 |



Design

```
<section class="section-shopping-cart">
  <div class="container">
    <div class="row-fluid">

      <div class="span12">
        <div class="page-content shopping-cart-page ">

          <table class="table ">
            <thead>
              <tr>
                <th class="span2">ID</th>
                <th class="span3">PRODUCT NAME</th>

                <th class="span2">IMAGE</th>
                <th class="span2">PRICE</th>
                <th class="span2">QUANTITY</th>
                <th class="span1 price-column">TOTAL </th>
                <th class="span2">&nbsp;</th>
              </tr>
            </thead>
            <tbody>
              <asp:SqlDataSource ID="SqlDataSource1" runat="server"
                ConnectionString="<%$ ConnectionStrings:ConnectionString
%>"
                SelectCommand="SELECT * FROM [order_mstr] WHERE
([uname] = @uname)">
                <SelectParameters>
                  <asp:SessionParameter SessionField="uname" Name="uname"
Type="String"></asp:SessionParameter>
                </SelectParameters>
              </asp:SqlDataSource>
              <asp:Repeater ID="Repeater1" runat="server"
DataSourceID="SqlDataSource1">
                <ItemTemplate>
                  <tr>
                    <td>
                      <%#Eval("orid")%>
                    </td>
                    <td>
                      <%#Eval("pname")%>
                    </td>

                    <td>
                      <div class="thumb">
                        " />
                      </div>

```



```
</td>

<td>

    <div class="price">
        <%# Eval("price")%>

    </div>

</td>
<td>
    <div class="quantity">
        <%# Eval("qty")%>

    </div>
</td>
<td>

    <div class="price">
        <%# Eval("total")%>
    </div>

</td>

<td>

    <div class="delete">
        <a class="close-btn" href="#"></a>
    </div>

</td>
</tr>
</ItemTemplate>
</asp:Repeater>
</tbody>
</table>

</div>
</div>
</div>
</div>
</section>
```



Admin Home

The screenshot shows the 'Cosmetic Admin' interface. The sidebar on the left includes a user profile for 'MANSI KAPADIA' and a 'MAIN NAVIGATION' menu with 'UI Elements' expanded, showing 'Add New Product' and 'Disp Product'. The main content area is titled 'Form Layouts' and shows a 'Round Horizontal Form' with the following fields: 'ENTER PRODUCT ID:' (placeholder: Enter Productid), 'ENTER PRODUCT NAME:' (placeholder: VERSACE), 'ENTER PRICE:' (placeholder: 20), 'ENTER PRODUCT DESCRIPTION:' (placeholder: YELLOW DIAMOND), and 'PRODUCT IMAGE:' (placeholder: Choose File, No file chosen). Below the form are four buttons: 'SUBMIT', 'SEARCH', 'UPDATE', and 'DELETE'.

Design

```
<!-- Breadcrumb-->
<div class="row pt-2 pb-2">
  <div class="col-sm-9">
    <h4 class="page-title">Form Layouts</h4>
    <ol class="breadcrumb">
      <li class="breadcrumb-item"><a href="javascript:void();">Cosmetic</a></li>
      <li class="breadcrumb-item"><a href="javascript:void();">Forms</a></li>
      <li class="breadcrumb-item active" aria-current="page">Form Layouts</li>
    </ol>
  </div>
  <div class="col-sm-3">
    <div class="btn-group float-sm-right">
      <button type="button" class="btn btn-light waves-effect waves-light"><i class="fa fa-cog mr-1"></i> Setting</button>
      <button type="button" class="btn btn-light dropdown-toggle dropdown-toggle-split waves-effect waves-light" data-toggle="dropdown">
        <span class="caret"></span>
      </button>
      <div class="dropdown-menu">
        <a href="javascript:void();" class="dropdown-item">Action</a>
        <a href="javascript:void();" class="dropdown-item">Another action</a>
      </div>
    </div>
  </div>
</div>
```



```
<div class="dropdown-divider"></div>
<a href="javaScript:void();" class="dropdown-item">Separated link</a>
</div>
</div>
</div>
</div>
<!-- End Breadcrumb-->

<div class="card">
  <div class="card-body">
    <div class="card-title">Round Horizontal Form</div>
    <hr>
    <form runat="server">
      <div class="form-group row">
        <label for="input-26" class="col-sm-2 col-form-label">Enter Product Id: </label>
        <div class="col-sm-10">
          <asp:TextBox ID="txtpid" runat="server" class="form-control form-control-
rounded" placeholder="Enter ProductId"></asp:TextBox>
        </div>
      </div>
      <div class="form-group row">
        <label for="input-26" class="col-sm-2 col-form-label">Enter Product Name: </label>
        <div class="col-sm-10">
          <asp:TextBox ID="txtpname" runat="server" class="form-control form-control-
rounded" placeholder="Enter Product Name"></asp:TextBox>
        </div>
      </div>
      <div class="form-group row">
        <label for="input-27" class="col-sm-2 col-form-label">Enter Price : </label>
        <div class="col-sm-10">
          <asp:TextBox ID="txtprice" runat="server" class="form-control form-control-
rounded" placeholder="Enter Price"></asp:TextBox>
        </div>
      </div>
      <div class="form-group row">
        <label for="input-28" class="col-sm-2 col-form-label">Enter Product Description :
</label>
        <div class="col-sm-10">
          <asp:TextBox ID="txtpdesc" runat="server" class="form-control form-control-
rounded" placeholder="Enter Product Description "></asp:TextBox>
        </div>
      </div>
      <div class="form-group row">
        <label for="input-29" class="col-sm-2 col-form-label">Product Image : </label>
        <div class="col-sm-10">
          <asp:FileUpload ID="pimage" runat="server" />
        </div>
      </div>
    </form>
  </div>
</div>
```



```
</div>
</div>
<div class="form-group row">
  <label for="input-29" class="col-sm-2 col-form-label">Product Image : </label>
  <div class="col-sm-10">
    <asp:Image ID="Image1" runat="server" Height="200px" Width="200px"/>
  </div>
</div>

<div class="form-group row">
  <label class="col-sm-2 col-form-label"></label>
  <div class="col-sm-10">

    <asp:Button ID="btn_sub" runat="server" Text="SUBMIT" class="btn btn-primary
btn-round px-5" />
    <asp:Button ID="btn_search" runat="server" Text="SERACH" class="btn btn-
primary btn-round px-5" />
    <asp:Button ID="btn_update" runat="server" Text="UPDATE" class="btn btn-
primary btn-round px-5" />
    <asp:Button ID="btn_delete" runat="server" Text="DELETE" class="btn btn-
primary btn-round px-5" />

    <asp:Label ID="Label1" runat="server" font-size="X-Small" ></asp:Label>
  </div>
</div>
</form>
</div>
</div>
```

Coding

Imports System.Data.SqlClient

Partial Class Admin_Default2

Inherits System.Web.UI.Page

Dim cn As New SqlConnection("Data
Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\user_mstr.mdf;Integrated
Security=True;User Instance=True")

Dim cmd As New SqlCommand

Dim qry As String

Dim dr As SqlDataReader

Protected Sub btn_sub_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles btn_sub.Click

Label1.Text = ""

If pimage.HasFile Then

If pimage.PostedFile.ContentType = "image/jpeg" Or pimage.PostedFile.ContentType
= "image/png" Then



```
If pimage.PostedFile.ContentLength < 5000000 Then
    Dim fname As String
    fname = pimage.FileName
    pimage.SaveAs(Server.MapPath("~/PImage/" & fname))
    Label1.Text = "File Uploaded Successfully"
    Image1.ImageUrl = "~/PImage/" & fname
    cn.Open()
    qry = "insert into product_mstr values('" & txtpname.Text & "','" & txtprice.Text
    & "','" & txtpdesc.Text & "','" & fname & "')"
    cmd = New SqlCommand(qry, cn)
    cmd.ExecuteNonQuery()
    cn.Close()
End If
Else
    Label1.Text = "Please Select Image File"
End If
Else
    Label1.Text = "Please Select File..."
End If
```

End Sub

```
Protected Sub btn_search_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles btn_search.Click
```

```
    cn.Open()
    qry = "select * from product_mstr where pid=" & txtpid.Text
    cmd = New SqlCommand(qry, cn)
    dr = cmd.ExecuteReader
    If dr.HasRows Then
        dr.Read()
        txtpname.Text = dr("pname")
        txtprice.Text = dr("price")
        txtpdesc.Text = dr("pdesc")
        Image1.ImageUrl = "~/pimage/" & dr("pimage")
    End If
    Label1.Text = "Record not Found"
End If
    cn.Close()
End Sub
```

```
Protected Sub btn_update_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles btn_update.Click
```

```
    cn.Open()
    qry = "update product_mstr set pname=" & txtpname.Text & ",price=" & txtprice.Text
    & ",pdesc=" & txtpdesc.Text & " where pid=" & txtpid.Text
    cmd = New SqlCommand(qry, cn)
```



```
cmd.ExecuteNonQuery()
cn.Close()
End Sub
```

Protected Sub btn_delete_Click(**ByVal** sender **As** Object, **ByVal** e **As** System.EventArgs)
Handles btn_delete.Click

```
cn.Open()
qry = "delete from product_mstr where pid=" & txtpid.Text
cmd = New SqlCommand(qry, cn)
cmd.ExecuteNonQuery()
cn.Close()
```

End Sub
End Class

Display Product

The screenshot shows a web application interface for 'Cosmatic Admin'. On the left is a sidebar with the user 'MANSI KAPADIA' and navigation options: 'UI Elements', 'Add New Product', and 'Disp Product'. The main content area is titled 'Data Exporting' and features a table with 5 columns: PRODUCT ID, PRODUCT NAME, PRICE, PRODUCT DESC, and PRODUCT IMAGE. The table contains 11 rows of data. Above the table are buttons for 'COPY', 'EXCEL', 'PDF', 'PRINT', and 'COLUMN VISIBILITY'. A search bar is located to the right of these buttons. Below the table, it says 'Showing 1 to 10 of 10 entries' and has 'Previous', '1', and 'Next' navigation links.

| PRODUCT ID | PRODUCT NAME | PRICE | PRODUCT DESC | PRODUCT IMAGE |
|------------|--------------|-------|----------------|---------------|
| 2 | VERSACE | 270 | YELLOW DIAMOND | p1.jpg |
| 3 | ESTEE LAUDER | 122 | YELLOW DIAMOND | p2.jpg |
| 4 | BURBERRY | 120 | YELLOW DIAMOND | p3.jpg |
| 5 | VERSACE | 20 | YELLOW DIAMOND | p4.jpg |
| 6 | VERSACE | 270 | YELLOW DIAMOND | p5.jpg |
| 7 | ESTEE LAUDER | 122 | YELLOW DIAMOND | p6.jpg |
| 8 | BURBERRY | 120 | YELLOW DIAMOND | p7.jpg |
| 9 | VERSACE | 20 | YELLOW DIAMOND | p8.jpg |
| 10 | VERSACE | 270 | YELLOW DIAMOND | p9.jpg |
| 11 | BURBERRY | 120 | YELLOW DIAMOND | p10.jpg |

Design

```
<form id="form1" runat="server">
```

```
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
    ConnectionString="<%$ ConnectionStrings:ConnectionString %>"
    SelectCommand="SELECT * FROM [product_mstr]"></asp:SqlDataSource>
<div class="row">
    <div class="col-lg-12">
        <div class="card">
            <div class="card-header"><i class="fa fa-table"></i> Data Exporting</div>
```



```
<div class="card-body">
  <div class="table-responsive">
    <table id="example" class="table table-bordered">
      <thead>
        <tr>
          <th>Product id</th>
          <th>Product Name</th>
          <th>Price</th>
          <th>Product Desc</th>
          <th>Product Image</th>

        </tr>
      </thead>
      <tbody>
        <asp:Repeater ID="Repeater1" runat="server" DataSourceID="SqlDataSource1"
>
          <ItemTemplate>
            <tr>
              <td><%# Eval("pid")%></td>
              <td><%# Eval("pname")%></td>
              <td><%# Eval("price")%></td>
              <td><%# Eval("pdesc")%></td>
              <td><%# Eval("pimage")%></td>

            </tr>
          </ItemTemplate>
        </asp:Repeater>

      </tbody>
      <tfoot>
        <tr>
          <th>Product id</th>
          <th>Product Name</th>
          <th>Price</th>
          <th>Product Desc</th>
          <th>Product Image</th>

        </tr>
      </tfoot>
    </table>
  </div>
</div>
</div>
</div>
</div>
</div><!-- End Row-->
</form>
```




Testing

4.1 Unit Testing

- A unit is the smallest testable part of software. It usually has one or a few inputs and usually a single output.
- In procedural programming a unit may be an individual program, function, procedure, etc.
- In object-oriented programming, the smallest unit is a method, which may belong to a base/super class, abstract class or derived/child class.
- Some treat a module of an application as a unit. This is to be discouraged as there will probably be many individual units within that module.
- Unit testing is the first level of testing and is performed prior to **Integration Testing**.
- Unit Testing is normally performed by software developers themselves or their peers. In rare cases it may also be performed by independent software testers.



4.2 Functional Testing

Functional Testing is a type of software testing whereby the system is tested against the functional requirements/specifications.

Functions (or features) are tested by feeding them input and examining the output. Functional testing ensures that the requirements are properly satisfied by the application. This type of testing is not concerned with how processing occurs, but rather, with the results of processing.

During functional testing, **Black Box Testing** technique is used in which the internal logic of the system being tested is not known to the tester.

- User Registration Process has been properly working and all fields are validated through various validation checks.
- Login and Password validation process has been co-operated properly.
- Email system module has been done properly and accurately.
- Order is being booked perfectly.
- Sending invoice through mails is working properly.
- Admin side handling and dynamic and real-time data generation module is implemented successfully.



4.3 Environment Testing

- **System Testing** is a level of the software testing where complete and integrated software is tested.
 - The purpose of this test is to evaluate the system's compliance with the specified requirements.
 - The process of testing an integrated system to verify that it meets specified requirements.
 - System Testing performed after **Integration Testing** and before **Acceptance Testing**.
 - Normally, independent Testers perform System Testing.
 - Firefox browser, Internet explorer and chrome consider testing for environment operability of software.
-
- Database – MS - SQLSERVER
 - OS – Windows
 - SOFTWARE – VISAUL STUDIO 2010
-
- Purpose of this website is to make the work easier for customers.
 - Automation of the system improves the efficiency level.
 - It is a friendly graphical user interface when compared to the system that already exists.
 - It give authenticate access to the authorized users depending upon their user type.
 - It effectively overcomes the delay in communications.
 - The System has adequate scope for modification in future if it is necessary.



Bibliography & Reference

- <http://www.w3school.com>
- <http://www.w3layout.com>
- <http://www.flipkart.com>
- <http://www.amazon.in>
- <http://m.youtube.com>