

Appendix II: Visual Studio Coding

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2.1 Login Page Code

Source ("Design") Code

```
<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Login.aspx.vb" Inherits="Login" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <br />
            Login Page<br />
            Welcome to PT. X
            <br />
            <br />
            <table style="width: 900px; height: 100px">
                <tr>
                    <td style="width: 100px; height: 10px">
                        Username</td>
                    <td style="width: 403px; height: 20px">
                        <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox></td>
                    <td style="width: 100px; height: 20px">
                        </td>
                </tr>
                <tr>
                    <td style="width: 100px; height: 26px;">
                        Password</td>
                    <td style="width: 403px; height: 26px;">
                        <asp:TextBox ID="TextBox2" runat="server"
TextMode="Password"></asp:TextBox></td>
                    <td style="width: 100px; height: 26px;">
                        </td>
                </tr>
                <tr>
                    <td style="width: 100px; height: 6px;">
                        </td>
                    <td style="width: 403px; height: 6px;">
                        <asp:Button ID="Button1" runat="server"
Text="Login" />
                    </td>
                </tr>
            </table>
        </div>
    </form>
</body>
</html>
```

```

        <asp:Button ID="Button2" runat="server"
Text="Cancel" />
        <asp:Button ID="Button4" runat="server"
Text="Login registration" />
        <asp:Button ID="Button3" runat="server"
Text="Forgot password?" /><br />
    </td>
    <td style="width: 100px; height: 6px;">
    </td>
</tr>
</table>

</div>
<asp:AccessDataSource ID="Readlogin" runat="server"
DataFile="~/CS database.mdb"
    DataSourceMode="DataReader" SelectCommand="SELECT *
FROM [login]"></asp:AccessDataSource>
</form>
</body>
</html>
```

Working Code

```

Partial Class Login
    Inherits System.Web.UI.Page
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click
        'To check whether inputted username and password are
correct or matching with the database
        Dim x As Data.IDataReader =
CType(Readlogin.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        Dim f As Boolean = False
        While x.Read()
            If TextBox1.Text = x("Uname") And TextBox2.Text =
x("Pword") Then
                Session("loginname") = x("Uname") 'session to
store user's username to enhance user interface
                f = True
            End If
        End While
        If f = True Then
            MsgBox("You have logged in successfully")
            Response.Redirect("Main menu.aspx")
        Else
            MsgBox("Incorrect username or password")
        End If
    End Sub
End Class
```

```
    End Sub
    Protected Sub Button3_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button3.Click
        Response.Redirect("Forgotpassword.aspx")
    End Sub
    Protected Sub Button2_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button2.Click
        Response.Redirect("Login.aspx")
    End Sub
    Protected Sub Button4_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button4.Click
        Response.Redirect("login registration.aspx")
    End Sub
End Class
```

2.2 Login Registration Code

Source (“Design”) Code

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="loginregistration.aspx.vb" Inherits="_Default" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <table style="width: 100%; height: 100%">
                <tr>
                    <td style="width: 100px">
                    </td>
                    <td style="width: 100px">
                    </td>
                    <td style="width: 100px">
                    </td>
                </tr>
                <tr>
                    <td style="width: 100px">
                    </td>
                    <td style="width: 100px">
                        &ampnbsp &ampnbsp &ampnbsp &ampnbsp &ampnbsp &ampnbsp &ampnbsp &ampnbsp &br />
                    <table style="width: 956px">
```

```

        <tr>
            <td style="width: 170px">
LOGIN REGISTRATION PAGE</td>
            <td style="width: 124px">
            </td>
        </tr>
        <tr>
            <td style="width: 170px">
                Username:</td>
            <td style="width: 124px">
                <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox></td>
            </tr>
            <tr>
                <td style="width: 170px">
                    Password:</td>
                <td style="width: 124px">
                    <asp:TextBox ID="TextBox2" runat="server"
TextMode="Password"></asp:TextBox></td>
                </tr>
                <tr>
                    <td style="width: 170px; height:
39px">
                        Re-enter password:</td>
                    <td style="width: 124px; height:
39px">
                        <asp:TextBox ID="TextBox4"
runat="server" TextMode="Password"></asp:TextBox></td>
                    </tr>
                    <tr>
                        <td style="width: 170px; height:
39px;">
                            security question: What is the sum of your
birthdate (dd+mm+yy)? &nbsp; &nbsp; &nbsp;
&nbsp;
                        </td>
                        <td style="width: 124px; height:
39px;">
                            </td>
                        </tr>
                        <tr>
                            <td style="width: 170px">
                                Answer
                            </td>
                            <td style="width: 124px">
                                <asp:TextBox ID="TextBox3"
runat="server" TextMode="Password"></asp:TextBox></td>

```

```

        </tr>
        <tr>
            <td style="width: 170px">
            </td>
            <td style="width: 124px">
<asp:Button ID="Button3" runat="server"
Text="Save" />
<asp:Button ID="Button1" runat="server"
Text="Cancel" />
                &nbsp;
            </td>
        </tr>
    </table>
    &nbsp; &nbsp;&nbsp; &nbsp; &nbsp; &nbsp;
    &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
    &nbsp; &nbsp; &nbsp;
        &nbsp; &nbsp;&nbsp;
    </td>
    <td style="width: 100px">
    </td>
</tr>
<tr>
    <td style="width: 100px">
    </td>
    <td style="width: 100px">
        <asp:AccessDataSource ID="AccessDataSource1"
runat="server" DataFile="~/CS database.mdb"
            SelectCommand="SELECT * FROM [login]"
InsertCommand="insert into login (Uname, Pword, Ans) values
(@Uname, @Pword, @Ans)">
            <InsertParameters>
                <asp:Parameter Name="Uname" DefaultValue
= "" />
                <asp:Parameter Name="Pword"
DefaultValue = "" />
                <asp:Parameter Name="Ans" DefaultValue
="" />
            </InsertParameters>

        </asp:AccessDataSource>
        <asp:AccessDataSource ID="readlogin"
runat="server" DataFile="~/CS database.mdb"
            DataSourceMode="DataReader"
SelectCommand="SELECT * FROM [login]"></asp:AccessDataSource>
    </td>

```

```

        <td style="width: 100px">
        </td>
    </tr>
</table>

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

```

Working Code

```

Partial Class _Default
    Inherits System.Web.UI.Page
    Protected Sub Button3_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button3.Click
        Dim x As Data.IDataReader =
CType(readlogin.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        Dim f As Boolean = False
        While x.Read()
            If TextBox1.Text = x("Uname") Then
                f = True
                MsgBox("Entered username already existed, please enter a different one")
            End If
        End While
        If TextBox1.Text Is ("") Or TextBox3.Text Is ("") Then
            MsgBox("Please enter the username and password")
            f = True
        ElseIf TextBox2.Text <> TextBox4.Text Then 'Double entry verification
            MsgBox("Password not matching")
            f = True
        End If
        If TextBox1.Text <> ("") And TextBox3.Text <> ("") And f = False Then

AccessDataSource1.InsertParameters("Uname").DefaultValue =
TextBox1.Text

AccessDataSource1.InsertParameters("Pword").DefaultValue =
TextBox2.Text

AccessDataSource1.InsertParameters("Ans").DefaultValue =
TextBox3.Text
        AccessDataSource1.Insert()
    End Sub
End Class

```

```

        MsgBox("Username and password are successfully
saved")
        Response.Redirect("Login.aspx")
    End If
End Sub
Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click
    Response.Redirect("login.aspx")
End Sub
End Class

```

2.3 Forgot Password Code

Source (“Design”) Code

```

<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Forgotpassword.aspx.vb" Inherits="Forgotpassword" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="Button4" runat="server"
PostBackUrl "~/Login.aspx" Text="Back" /><br />
            <asp:Panel ID="Panel1" runat="server" Height="46px"
Width="888px">
                enter your username
                <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>
                <asp:Button ID="Button1" runat="server"
Text="Submit" /></asp:Panel>
            <asp:Panel ID="Panel2" runat="server" Height="97px"
Visible="False" Width="890px">
                Security questions what is the sum of your birthday
(yy+mm+dd) ?<br />
                Enter your answer
                <asp:TextBox ID="TextBox2" runat="server"
TextMode="Password"></asp:TextBox>
                <asp:Button ID="Button3" runat="server" Text="submit
" /><br />
            </asp:Panel>

```

```

<asp:Panel ID="Panel3" runat="server" Height="59px"
Visible="False" Width="925px">
    enter new password
    <asp:TextBox ID="TextBox3" runat="server"
TextMode="Password"></asp:TextBox><br />
    confirm new password
    <asp:TextBox ID="TextBox4" runat="server"
TextMode="Password"></asp:TextBox>
    <asp:Button ID="Button2" runat="server" Text="Save"
/><br />
    </asp:Panel>
<br />
<br />
<br />
<asp:AccessDataSource ID="AccessDataSource1"
runat="server" DataFile="~/CS database.mdb"
    DataSourceMode="DataReader" SelectCommand="SELECT * 
FROM [login]"></asp:AccessDataSource>
    <asp:AccessDataSource ID="AccessDataSource2"
runat="server" DataFile="~/CS database.mdb"
        SelectCommand="SELECT * FROM [login]"
        UpdateCommand="update login set Pword=@Pword where
Uname=@Uname">
        <UpdateParameters>
            <asp:Parameter Name="Pword" DefaultValue="" />
            <asp:ControlParameter ControlID="Textbox1"
PropertyName="Text" Name="Uname" DefaultValue="" />
        </UpdateParameters>
        </asp:AccessDataSource>
    <asp:AccessDataSource ID="readlogin" runat="server"
DataFile="~/CS database.mdb"
        DataSourceMode="DataReader" SelectCommand="SELECT * 
FROM [login]"></asp:AccessDataSource>

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

```

Working Code

```

Partial Class Forgotpassword
    Inherits System.Web.UI.Page
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click

```

```

        Dim x As Data.IDataReader =
CType(AccessDataSource1.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        Dim f As Boolean = False
        While x.Read()
            If TextBox1.Text = x("Uname") Then 'checking
username existence in the database
                f = True
            End If
        End While
        If f = True Then
            Panel2.Visible = True 'panel 2: security question
            Panel1.Visible = True 'panel 1: entering username
        Else
            MsgBox("Invalid username")
        End If
    End Sub
    Protected Sub Button3_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button3.Click
        Dim x As Data.IDataReader =
CType(readlogin.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        Dim f As Boolean
        f = False
        While x.Read()
            If TextBox1.Text = x("Uname") And TextBox2.Text =
x("Ans") Then
                Panel3.Visible = True 'panel 3: new password
                f = True
            End If
        End While
        If f = False Then
            MsgBox("Answer is incorrect")
        End If
    End Sub
    Protected Sub Button2_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button2.Click
        If TextBox3.Text = TextBox4.Text Then 'double entry
verification
AccessDataSource2.UpdateParameters("Pword").DefaultValue =
TextBox3.Text

AccessDataSource2.UpdateParameters("Uname").DefaultValue =
TextBox1.Text
        AccessDataSource2.Update()
        MsgBox("Password successfully saved")
    End Sub

```



```

        <asp:Button ID="Button4" runat="server" Text="Report"
Height="140px" Width="300px" /></td>
            <td style="width: 100px">
                <asp:Button ID="Button5" runat="server"
Text="Commission" Height="140px" Width="300px" /></td>
            </tr>
        </table>
    </div>
</form>
</body>
</html>
```

Working Code

```

Partial Class Update_page
    Inherits System.Web.UI.Page
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click
        Response.Redirect("Update customers.aspx")
    End Sub
    Protected Sub Button2_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button2.Click
        Response.Redirect("Update products.aspx")
    End Sub
    Protected Sub Button3_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button3.Click
        Response.Redirect("Update salesperson.aspx")
    End Sub
    Protected Sub Button4_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button4.Click
        Response.Redirect("Report.aspx")
    End Sub
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
        Label1.Text = Session("loginname") 'display user's
username
    End Sub
    Protected Sub Button6_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button6.Click
        Response.Redirect("Invoice.aspx")
    End Sub
    Protected Sub Button5_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button5.Click
        Response.Redirect("Commissions.aspx")
    End Sub
End Class
```

2.5 Products Page Code

Source (“Design”) Code

```

        </td>
    </tr>
    <tr>
        <td style="width: 701px">
            Core size</td>
        <td style="width: 601px">
            <asp:DropDownList ID="DropDownList3"
runat="server">
                <asp:ListItem>-</asp:ListItem>
                <asp:ListItem>12 mm</asp:ListItem>
                <asp:ListItem>21 mm</asp:ListItem>
                <asp:ListItem>24 mm</asp:ListItem>
                <asp:ListItem>25 mm</asp:ListItem>
                <asp:ListItem>32 mm</asp:ListItem>
                <asp:ListItem>40 mm</asp:ListItem>
                <asp:ListItem>60 mm</asp:ListItem>
            </asp:DropDownList></td>
        <td style="width: 364px">
        </td>
    </tr>
    <tr>
        <td style="width: 701px">
            Length</td>
        <td style="width: 601px">
            <asp:DropDownList ID="DropDownList4"
runat="server">
                <asp:ListItem>-</asp:ListItem>
                <asp:ListItem>12 m</asp:ListItem>
                <asp:ListItem>21 m</asp:ListItem>
                <asp:ListItem>40 m</asp:ListItem>
                <asp:ListItem>60 m</asp:ListItem>
            </asp:DropDownList></td>
        <td style="width: 364px">
        </td>
    </tr>
    <tr>
        <td style="width: 701px">
            Price</td>
        <td style="width: 601px">
            <asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox></td>
        <td style="width: 364px">
        </td>
    </tr>
    <tr>
        <td style="width: 701px">
            Discounts (%)</td>

```

```

        <td style="width: 601px">
            <asp:TextBox ID="TextBox3"
runat="server"></asp:TextBox></td>
        <td style="width: 364px">
            </td>
    </tr>
    <tr>
        <td style="width: 701px">
            </td>
        <td style="width: 601px">
            &nbsp;<asp:Button ID="Button3"
runat="server" Text="Save" />
            <asp:Button ID="Button4" runat="server"
Text="Cancel" /></td>
        <td style="width: 364px">
            </td>
    </tr>
</table>
</asp:Panel>
<asp:Panel ID="Panel2" runat="server" Height="0px"
Width="1002px" Visible="False">
    <br />
    UPDATE PRODUCTS<br />
    <table style="width: 800px; height: 100px">
        <tr>
            <td style="width: 701px">
                Product ID</td>
            <td style="width: 601px">
                <asp:TextBox ID="TextBox5"
runat="server"></asp:TextBox></td>
            <td style="width: 359px">
                <asp:Button ID="Button1" runat="server"
Text="Search" /></td>
            </tr>
        </table>
    </asp:Panel>
    <asp:Panel ID="Panel3" runat="server" Height="409px"
Visible="False" Width="920px">
        UPDATE PRODUCTS<br />
        <table style="width: 835px; height: 550px">
            <tr>
                <td style="width: 701px">
                    Product name</td>
                <td style="width: 601px">
                    <asp:TextBox ID="TextBox6"
runat="server"></asp:TextBox></td>
                <td style="width: 359px">

```

```
        </td>
    </tr>
    <tr>
        <td style="width: 701px">
            Core size</td>
        <td style="width: 601px">
            <asp:DropDownList ID="DropDownList1"
runat="server">
                <asp:ListItem>-</asp:ListItem>
                <asp:ListItem>12 mm</asp:ListItem>
                <asp:ListItem>21 mm</asp:ListItem>
                <asp:ListItem>24 mm</asp:ListItem>
                <asp:ListItem>25 mm</asp:ListItem>
                <asp:ListItem>32 mm</asp:ListItem>
                <asp:ListItem>40 mm</asp:ListItem>
                <asp:ListItem>60 mm</asp:ListItem>
            </asp:DropDownList></td>
        <td style="width: 359px">
        </td>
    </tr>
    <tr>
        <td style="width: 701px">
            Length</td>
        <td style="width: 601px">
            <asp:DropDownList ID="DropDownList2"
runat="server">
                <asp:ListItem>-</asp:ListItem>
                <asp:ListItem>12 m</asp:ListItem>
                <asp:ListItem>21 m</asp:ListItem>
                <asp:ListItem>40 m</asp:ListItem>
                <asp:ListItem>60 m</asp:ListItem>
            </asp:DropDownList></td>
        <td style="width: 359px">
        </td>
    </tr>
    <tr>
        <td style="width: 701px">
            Price</td>
        <td style="width: 601px">
            <asp:TextBox ID="TextBox7"
runat="server"></asp:TextBox></td>
        <td style="width: 359px">
        </td>
    </tr>
    <tr>
        <td style="width: 701px">
            Discounts</td>
```

```

        <td style="width: 601px">
            <asp:TextBox ID="TextBox8"
runat="server"></asp:TextBox></td>
        <td style="width: 359px">
            </td>
    </tr>
    <tr>
        <td style="width: 701px">
            </td>
        <td style="width: 601px">
            &nbsp;<asp:Button ID="Button2"
runat="server" Text="Update" />
            <asp:Button ID="Button8" runat="server"
Text="Cancel" />
            <asp:Button ID="Button9" runat="server"
Text="Delete record" /></td>
        <td style="width: 359px">
            </td>
    </tr>
</table>
</asp:Panel>
&nbsp;&nbsp;&nbsp;<br />
&nbsp; &nbsp; &nbsp;&nbsp;&nbsp;<br />
<br />
<asp:AccessDataSource ID="InsertStocks" runat="server"
DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM
[Stocks]"></asp:AccessDataSource>

</div>

<asp:AccessDataSource ID="Insertproducts" runat="server"
DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM [Product]"
InsertCommand ="insert into Product (ProductID,
Productname, Coresize, Length, Price, Discounts, Stocklevel)
values (@ProductID, @Productname,
@Coresize, @Length, @Price, @Discounts, @Stocklevel)">
    <InsertParameters>
        <asp:Parameter Name= "ProductID"
DefaultValue = "" />
        <asp:Parameter Name = "Productname"
DefaultValue ="" />
        <asp:Parameter Name = "Coresize"
DefaultValue ="" />
        <asp:Parameter Name = "Length"
DefaultValue ="" />

```

```

                <asp:Parameter Name = "Price" DefaultValue
                ="" />
                <asp:Parameter Name = "Discounts"
                DefaultValue ="" />
                <asp:Parameter Name = "Stocklevel"
                DefaultValue ="" />
            </InsertParameters>
        </asp:AccessDataSource>

        <asp:AccessDataSource ID="Readproducts" runat="server"
        DataFile="~/CS database.mdb"
            SelectCommand="SELECT * FROM [Product] ORDER BY
            [ProductID]" DataSourceMode="DataReader"
            UpdateCommand="update Product
                set Productname=@Productname,
            Coresize=@Coresize, Length=@Length, Price=@Price,
            Discounts=@Discounts
                where ProductID=@ProductID"
            DeleteCommand="DELETE FROM [Product] WHERE
            [ProductID] = @ProductID">
            <DeleteParameters>
                <asp:Parameter Name="ProductID" Type="Int32" />
            </DeleteParameters>
            <UpdateParameters>
                <asp:Parameter Name="Productname" DefaultValue="" />
                <asp:Parameter Name="Coresize" DefaultValue="" />
                <asp:Parameter Name="Length" DefaultValue="" />
                <asp:Parameter Name="Price" DefaultValue="" />
                <asp:Parameter Name="Discounts" DefaultValue="" />
                <asp:ControlParameter ControlID="Textbox5"
                PropertyName="Text" Name="ProductID" DefaultValue="" />
            </UpdateParameters>
        </asp:AccessDataSource>

        &nbsp; &nbsp;&nbsp;<br />
        &nbsp;&nbsp;
        <br />
    </form>
</body>
</html>
```

Working Code

```
Partial Class Update_products
    Inherits System.Web.UI.Page
    Protected Sub Button3_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button3.Click
        'add products

        Insertproducts.InsertParameters("ProductID").DefaultValue =
        TextBox1.Text

        Insertproducts.InsertParameters("Productname").DefaultValue =
        TextBox4.Text
        Insertproducts.InsertParameters("Coresize").DefaultValue =
        DropDownList3.Text
        Insertproducts.InsertParameters("Length").DefaultValue =
        DropDownList4.Text
        Insertproducts.InsertParameters("Price").DefaultValue =
        TextBox2.Text

        Insertproducts.InsertParameters("Discounts").DefaultValue =
        TextBox3.Text

        Insertproducts.InsertParameters("Stocklevel").DefaultValue = 0
        Insertproducts.Insert()
        MsgBox("Product details successfully saved")
        Response.Redirect("Update_products.aspx")
    End Sub
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
        Label1.Text = Session("loginname")
        Dim x As Data.IDataReader =
        CType(Readproducts.Select(DataSourceSelectArguments.Empty),
        Data.IDataReader)
        Dim prodid As Integer
        While x.Read()
            prodid = x("ProductID")
        End While
        x.Close()
        TextBox1.Text = prodid + 1 'automatically incremented ID
        read directly from the database to reduce human error
    End Sub
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click
        Dim x As Data.IDataReader =
        CType(Readproducts.Select(DataSourceSelectArguments.Empty),
        Data.IDataReader)
```

```

        Dim f As Boolean
        f = False
        While x.Read()
            If TextBox5.Text IsNot ("") And TextBox5.Text =
x("ProductID") Then 'search button to validate product ID
(whether it is present in the database or not)
                f = True
                Panel3.Visible = True
                Panel2.Visible = False
                TextBox6.Text = x("Productname")
                DropDownList1.Text = x("Coresize")
                DropDownList2.Text = x("Length")
                TextBox7.Text = x("Price")
                TextBox8.Text = x("Discounts")
            End If
        End While
        x.Close()
        If f = False Then
            MsgBox("Please enter a correct product ID")
        End If
    End Sub
    Protected Sub Button8_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button8.Click
        Response.Redirect("Update products.aspx")
    End Sub
    Protected Sub Button2_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button2.Click
        Dim x As Data.IDataReader =
 CType(Readproducts.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        While x.Read()
            If TextBox5.Text = x("ProductID") Then
Readproducts.UpdateParameters("Productname").DefaultValue =
TextBox6.Text

Readproducts.UpdateParameters("Coresize").DefaultValue =
DropDownList1.Text

Readproducts.UpdateParameters("Length").DefaultValue =
DropDownList2.Text

Readproducts.UpdateParameters("Price").DefaultValue =
TextBox7.Text

Readproducts.UpdateParameters("Discounts").DefaultValue =
TextBox8.Text

```

```

        Readproducts.Update()
        MsgBox("Data successfully updated")
        Response.Redirect("Update products.aspx")
    End If
End While
x.Close()
End Sub
Protected Sub Button4_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button4.Click
    Response.Redirect("Update products.aspx")
End Sub
Protected Sub Button6_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button6.Click
    'button 6: add products, panel 1: add form, panel 2:
    search, panel 3: update form
    Panel2.Visible = False
    Panel1.Visible = True
    Panel3.Visible = False
End Sub
Protected Sub Button7_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button7.Click
    'button 7: update products, panel 1: add form, panel 2:
    search, panel 3: update form
    Panel2.Visible = True
    Panel1.Visible = False
    Panel3.Visible = False
End Sub
Protected Sub Button9_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button9.Click
    Panel3.Visible = False
    MsgBox("Delete record?", MsgBoxStyle.YesNo)
    If MsgBoxResult.Yes Then

Readproducts.DeleteParameters("ProductID").DefaultValue =
TextBox5.Text
        Readproducts.Delete()
        MsgBox("Record successfully deleted")
        Response.Redirect("Update products.aspx")
    End If
End Sub
Protected Sub Button10_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button10.Click
    'button 10: Stocks
    Response.Redirect("Update stocks.aspx")
End Sub
End Class

```

2.6 Stocks Page Code

Source (“Design”) Code

```

                <asp:TextBox ID="TextBox6"
runat="server" ReadOnly="True"></asp:TextBox></td>
                <td style="width: 359px">
                </td>
            </tr>
            <tr>
                <td style="width: 701px">
                    Date of purchase</td>
                <td style="width: 601px">
                    <asp:Calendar ID="Calendar1"
runat="server"></asp:Calendar>
                </td>
                <td style="width: 359px">
                </td>
            </tr>
            <tr>
                <td style="width: 701px">
                    Purchase price</td>
                <td style="width: 601px">
                    <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox></td>
                <td style="width: 359px">
                </td>
            </tr>
            <tr>
                <td style="width: 701px">
                    Purchase quantity</td>
                <td style="width: 601px">
                    <asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox></td>
                <td style="width: 359px">
                </td>
            </tr>
            <tr>
                <td style="width: 701px">
                    Total purchase</td>
                <td style="width: 601px">
                    <asp:TextBox ID="TextBox3"
runat="server" ReadOnly="True"></asp:TextBox></td>
                <td style="width: 359px">
                    <asp:Button ID="Button3" runat="server"
Text="Calculate" /></td>
                </tr>
                <tr>
                    <td style="width: 701px">
                    </td>
                    <td style="width: 601px">

```

```

        &nbsp;<asp:Button ID="Button2"
runat="server" Text="Save" />
        <asp:Button ID="Button8" runat="server"
Text="Cancel" />
    </td>
<td style="width: 359px">
</td>
</tr>
</table>
</asp:Panel>
<asp:AccessDataSource ID="Readproducts" runat="server"
DataFile="~/CS database.mdb"
    DataSourceMode="DataReader" SelectCommand="SELECT * 
FROM [Product]"
    UpdateCommand=
"UPDATE [Product] SET [Stocklevel] = @Stocklevel
WHERE [ProductID] = @ProductID">

    <UpdateParameters>
        <asp:Parameter Name="Stocklevel" DefaultValue="" />
        <asp:ControlParameter ControlID="Textbox5"
PropertyName="Text" Name="ProductID" DefaultValue="" />
    </UpdateParameters>

</asp:AccessDataSource>
<br />
<asp:AccessDataSource ID="InsertStocks" runat="server"
DataFile="~/CS database.mdb"
    SelectCommand="SELECT * FROM [Stocks]" 

    InsertCommand = "insert into Stocks (Dateofpurchase,
ProductID, Purchaseprice, Purchaseqqty, Totalpurchase)values
(@Dateofpurchase, @ProductID, @Purchaseprice, @Purchaseqqty,
@Totalpurchase) " >

    <InsertParameters>
        <asp:Parameter Name= "Dateofpurchase"
DefaultValue = "" />
        <asp:Parameter Name = "ProductID"
DefaultValue ="" />
        <asp:Parameter Name = "Purchaseprice"
DefaultValue ="" />
        <asp:Parameter Name = "Purchaseqqty"
DefaultValue ="" />

```

```

                <asp:Parameter Name= "Totalpurchase"
DefaultValue = "" />

                </InsertParameters>

            </asp:AccessDataSource>
 <br />
</form>
</body>
</html>

```

Working Code

```

Partial Class Update_stocks
    Inherits System.Web.UI.Page
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click
        Dim x As Data.IDataReader =
CType(Readproducts.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        Dim f As Boolean
        f = False
        While x.Read()
            If TextBox5.Text IsNot ("") And TextBox5.Text =
x("ProductID") Then 'validate product ID
                f = True
                Panel3.Visible = True 'update form
                Panel2.Visible = False 'search
                TextBox6.Text = x("Productname")
            End If
        End While
        If f = False Then
            MsgBox("Please enter a correct product ID")
        End If
    End Sub
    Protected Sub Button2_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button2.Click

```

```

        Dim x As Data.IDataReader =
CType(Readproducts.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        Dim stock As Integer
        While x.Read()
            If TextBox5.Text = x("ProductID") Then
                stock = x("Stocklevel")

Readproducts.UpdateParameters("Stocklevel").DefaultValue = stock
+ Val(TextBox2.Text)
            Readproducts.Update() 'update stock level in
product table which is initially set to be 0

InsertStocks.InsertParameters("Dateofpurchase").DefaultValue =
Calendar1.SelectedDate

InsertStocks.InsertParameters("ProductID").DefaultValue =
TextBox5.Text

InsertStocks.InsertParameters("Purchaseprice").DefaultValue =
TextBox1.Text

InsertStocks.InsertParameters("Purchaseqqty").DefaultValue =
TextBox2.Text

InsertStocks.InsertParameters("Totalpurchase").DefaultValue =
TextBox3.Text
            InsertStocks.Insert() 'insert stock details into
the stock table
            MsgBox("Stocks updated")
            Response.Redirect("Update stocks.aspx")
        End If
    End While
End Sub
Protected Sub Button8_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button8.Click
    Response.Redirect("Update stocks.aspx")
End Sub
Protected Sub Button3_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button3.Click
    TextBox3.Text = Val(TextBox1.Text) * Val(TextBox2.Text)
'calculation of the total stock purchases
End Sub
Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
    Label1.Text = Session("loginname")
End Sub

```

```

Protected Sub Button5_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button5.Click
    Response.Redirect("Update_products.aspx")
End Sub
End Class

```

2.7 Customer Page Code

Source (“Design”) Code

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Update
customers.aspx.vb" Inherits="Update_customers" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="Button3" runat="server"
PostBackUrl("~/Main menu.aspx" Text="Main menu" /><br />
            Hello, welcome
            <asp:Label ID="Label1" runat="server" Text="Label"
Width="61px"></asp:Label>!<br />
            &nbsp;<asp:Button ID="Button5" runat="server" Text="Add
Customer" />
            <asp:Button ID="Button6" runat="server" Text="Update
Customer Status" /><br />
            <asp:Panel ID="Panel2" runat="server" Height="20px"
Width="712px" Visible="False">
                UPDATE CUSTOMER STATUS<br />
                <table style="width: 891px; height: 67px">
                    <tr>
                        <td style="width: 320px; height: 33px">
                            Customer ID</td>
                        <td style="width: 390px; height: 33px">
                            <asp:TextBox ID="TextBox3"
runat="server"></asp:TextBox>
                            <asp:Button ID="Button7" runat="server"
Text="Search" /></td>
                        <td style="width: 42px; height: 33px">
                            </td>
                    </tr>
                </table>

```

```
</asp:Panel>
<asp:Panel ID="Panel3" runat="server" Visible="False">
    <br />
    <table style="width: 891px; height: 500px">
        <tr>
            <td style="width: 318px">
                Name</td>
            <td style="width: 390px">
                <asp:TextBox ID="TextBox4"
runat="server"></asp:TextBox></td>
                <td style="width: 42px">
                </td>
            </tr>
            <tr>
                <td style="width: 318px; height: 18px">
                    Gender</td>
                <td style="width: 390px; height: 18px">
                    &ampnbsp
                    <asp:RadioButton ID="RadioButton3"
runat="server" GroupName="Gender1" Text="Male" />
                    <asp:RadioButton ID="RadioButton4"
runat="server" GroupName="Gender1" Text="Female" /></td>
                <td style="width: 42px; height: 18px">
                </td>
            </tr>
            <tr>
                <td style="width: 318px">
                    Contact number 1</td>
                <td style="width: 390px">
                    <asp:TextBox ID="TextBox5"
runat="server"></asp:TextBox></td>
                    <td style="width: 42px">
                    </td>
                </tr>
                <tr>
                    <td style="width: 318px; height: 33px;">
                        Contact number 2 </td>
                    <td style="width: 390px; height: 33px;">
                        <asp:TextBox ID="TextBox6"
runat="server"></asp:TextBox></td>
                    <td style="width: 42px; height: 33px;">
                    </td>
                </tr>
                <tr>
                    <td style="width: 318px; height: 29px">
                        Area</td>
                    <td style="width: 390px; height: 29px">

```

```

                <asp:DropDownList ID="DropDownList5"
runat="server" DataSourceID="AreaSalespersontable"
DataTextField="Area"
DataValueField="Area">
                </asp:DropDownList></td>
            <td style="width: 42px; height: 29px">
            </td>
        </tr>
        <tr>
            <td style="width: 318px">
                Address</td>
            <td style="width: 390px">
                <asp:TextBox ID="TextBox10"
runat="server"></asp:TextBox>
            </td>
            <td style="width: 42px">
            </td>
        </tr>
        <tr>
            <td style="width: 318px; height: 31px;">
                ACC limit</td>
            <td style="width: 390px; height: 31px;">
                <asp:TextBox ID="TextBox12"
runat="server"></asp:TextBox></td>
            <td style="width: 42px; height: 31px;">
            </td>
        </tr>
        <tr>
            <td style="width: 318px; height: 74px;">
            </td>
            <td style="width: 390px; height: 74px;">
                &ampnbsp
                <asp:Button ID="Button9" runat="server"
Text="Update" />
                <asp:Button ID="Button10" runat="server"
Text="Cancel" />
                <asp:Button ID="Button1" runat="server"
Text="Delete record" />&ampnbsp
            </td>
            <td style="width: 42px; height: 74px;">
            </td>
        </tr>
    </table>
</asp:Panel>
<asp:Panel ID="Panel4" runat="server" Height="685px"
Visible="False" Width="1101px">
    ADD CUSTOMER<br />

```

```

<table style="width: 891px; height: 500px">
    <tr>
        <td style="width: 318px; height: 33px">
            Customer ID</td>
        <td style="width: 390px; height: 33px">
            <asp:TextBox ID="TextBox13"
runat="server" ReadOnly="True"></asp:TextBox></td>
            <td style="width: 42px; height: 33px">
            </td>
        </tr>
        <tr>
            <td style="width: 318px">
                Name</td>
            <td style="width: 390px">
                <asp:TextBox ID="TextBox14"
runat="server"></asp:TextBox></td>
                <td style="width: 42px">
                </td>
            </tr>
            <tr>
                <td style="width: 318px; height: 18px">
                    Gender</td>
                <td style="width: 390px; height: 18px">
                    &ampnbsp
                    <asp:RadioButton ID="RadioButton5"
runat="server" GroupName="Gender" Text="Male" />
                    <asp:RadioButton ID="RadioButton6"
runat="server" GroupName="Gender" Text="Female" /></td>
                <td style="width: 42px; height: 18px">
                </td>
            </tr>
            <tr>
                <td style="width: 318px">
                    Contact number 1</td>
                <td style="width: 390px">
                    <asp:TextBox ID="TextBox15"
runat="server"></asp:TextBox></td>
                    <td style="width: 42px">
                    </td>
                </tr>
                <tr>
                    <td style="width: 318px">
                        Contact number 2</td>
                    <td style="width: 390px">
                        <asp:TextBox ID="TextBox16"
runat="server"></asp:TextBox></td>
                    <td style="width: 42px">

```

```

        </td>
    </tr>
    <tr>
        <td style="width: 318px; height: 29px">
            Area</td>
        <td style="width: 390px; height: 29px">
            <asp:DropDownList ID="DropDownList3"
runat="server" DataSourceID="AreaSalespersontable"
                DataTextField="Area"
                DataValueField="Area">
                </asp:DropDownList></td>
        <td style="width: 42px; height: 29px">
        </td>
    </tr>
    <tr>
        <td style="width: 318px">
            Address</td>
        <td style="width: 390px">
            <asp:TextBox ID="TextBox17"
runat="server"></asp:TextBox></td>
        <td style="width: 42px">
        </td>
    </tr>
    <tr>
        <td style="width: 318px">
            ACC limit</td>
        <td style="width: 390px">
            <asp:TextBox ID="TextBox18"
runat="server"></asp:TextBox></td>
        <td style="width: 42px">
        </td>
    </tr>
    <tr>
        <td style="width: 318px">
        </td>
        <td style="width: 390px">
            &ampnbsp<asp:Button ID="Button8"
runat="server" Text="Save" />&ampnbsp;
            <asp:Button ID="Button11" runat="server"
Text="Cancel" /></td>
        <td style="width: 42px">
        </td>
    </tr>
</table>
</asp:Panel>
<br />
&ampnbsp&ampnbsp

```

```

<br />

</div>
<asp:AccessDataSource ID="SetCustomertable"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM [Customertable]"

        InsertCommand = "insert into Customertable (CustID,
Custname, Gender, Contnum1, Contnum2, Area, Deliveryaddress,
ACClimit)
values (@CustID, @Custname, @Gender, @Contnum1,
@Contnum2, @Area, @Deliveryaddress, @ACClimit)"
        >

        <InsertParameters>
            <asp:Parameter Name= "CustID"
DefaultValue = "" />
            <asp:Parameter Name = "Custname"
DefaultValue ="" />
            <asp:Parameter Name = "Gender"
DefaultValue ="" />

            <asp:Parameter Name= "Contnum1"
DefaultValue = "" />
            <asp:Parameter Name = "Contnum2"
DefaultValue ="" />
            <asp:Parameter Name = "Area" DefaultValue
="" />
            <asp:Parameter Name = "Deliveryaddress"
DefaultValue ="" />
            <asp:Parameter Name = "ACClimit"
DefaultValue ="" />

        </InsertParameters>

    </asp:AccessDataSource>
<asp:AccessDataSource ID="AreaSalespersontable"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT DISTINCT [Area] FROM
[Salesperson] ORDER BY [Area]"></asp:AccessDataSource>
<asp:AccessDataSource ID="ReadCustomertable"
runat="server" DataFile="~/CS database.mdb"

```

```
        DataSourceMode="DataReader" SelectCommand="SELECT *  
FROM [Customertable]"  
  
        UpdateCommand="update Customertable set  
Custname=@Custname, Gender=@Gender,  
        Contnum1=@Contnum1, Contnum2=@Contnum2,  
Area=@Area, Deliveryaddress=@Deliveryaddress,  
ACClimit=@ACClimit where CustID=@CustID"  
  
        DeleteCommand="DELETE FROM [Customertable] WHERE  
[CustID] = @CustID">  
        <DeleteParameters>  
        <asp:Parameter Name="CustID" Type="Int32" />  
    </DeleteParameters>  
  
        <UpdateParameters>  
  
        <asp:Parameter Name="Custname" DefaultValue="" />  
        <asp:Parameter Name="Gender" DefaultValue="" />  
  
        <asp:Parameter Name="Contnum1" DefaultValue="" />  
        <asp:Parameter Name="Contnum2" DefaultValue="" />  
  
        <asp:Parameter Name="Area" DefaultValue="" />  
        <asp:Parameter Name="Deliveryaddress"  
DefaultValue="" />  
        <asp:Parameter Name="ACClimit" DefaultValue="" />  
  
        <asp:ControlParameter ControlID="Textbox3"  
PropertyName="Text" Name="CustID" DefaultValue="" />  
    </UpdateParameters>  
  
    </asp:AccessDataSource>  
    &nbsp; &nbsp;<br />
```

```

        &nbsp;&nbsp;<br />
        &nbsp;
        &nbsp; &nbsp;
    </form>
</body>
</html>

```

Working Code

```

Partial Class Update_customers
    Inherits System.Web.UI.Page
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
        Label1.Text = Session("loginname")
        Dim x As Data.IDataReader =
 CType(ReadCustomertable.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        Dim customerid As Integer
        While x.Read()
            customerid = x("CustID")
        End While
        TextBox13.Text = customerid + 1 'automatically
incremented ID
    End Sub
    Protected Sub Button8_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button8.Click
        SetCustomertable.InsertParameters("CustID").DefaultValue
= TextBox13.Text

        SetCustomertable.InsertParameters("Custname").DefaultValue =
TextBox14.Text

        SetCustomertable.InsertParameters("Contnum1").DefaultValue =
TextBox15.Text

        SetCustomertable.InsertParameters("Contnum2").DefaultValue =
TextBox16.Text

        SetCustomertable.InsertParameters("Deliveryaddress").DefaultValue
= TextBox17.Text
        SetCustomertable.InsertParameters("Area").DefaultValue =
DropDownList3.Text

        SetCustomertable.InsertParameters("ACClimit").DefaultValue =
TextBox18.Text
        If RadioButton5.Checked = True Then

```

```

SetCustomertable.InsertParameters("Gender").DefaultValue =
"Male"
    Else

SetCustomertable.InsertParameters("Gender").DefaultValue =
"Female"
    End If
    SetCustomertable.Insert()
    MsgBox("Customer's details is successfully saved")
    Response.Redirect("Update customers.aspx")
End Sub
Protected Sub Button5_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button5.Click
    'button 5: add customer
    Panel2.Visible = False 'search
    Panel3.Visible = False 'update form
    Panel4.Visible = True 'add form
End Sub
Protected Sub Button7_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button7.Click
    Dim x As Data.IDataReader =
CType(ReadCustomertable.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
    Dim f As Boolean
    f = False
    While x.Read()
        If TextBox3.Text IsNot ("") And TextBox3.Text =
x("CustID") Then
            f = True
            Panel3.Visible = True
            TextBox4.Text = x("Custname")
            TextBox5.Text = x("Contnum1")
            TextBox6.Text = x("Contnum2")
            DropDownList5.Text = x("Area")
            TextBox10.Text = x("Deliveryaddress")
            TextBox12.Text = x("ACClimit")
            If x("Gender") = "Male" Then
                RadioButton3.Checked = True
            End If
            If x("Gender") = "Female" Then
                RadioButton4.Checked = True
            End If
        End If
    End While
    If f = False Then
        MsgBox("Please enter a correct customer ID")
    End If
End Sub

```

```

        End If
    End Sub
    Protected Sub Button6_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button6.Click
        'button 6: update customer
        Panel2.Visible = True 'search
        Panel3.Visible = False 'update form
        Panel4.Visible = False 'add form
    End Sub
    Protected Sub Button9_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button9.Click
        Dim x As Data.IDataReader =
CType(ReadCustomertable.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        While x.Read()
            If TextBox3.Text = x("CustID") Then

ReadCustomertable.UpdateParameters("Custname").DefaultValue =
TextBox4.Text

ReadCustomertable.UpdateParameters("Contnum1").DefaultValue =
TextBox5.Text

ReadCustomertable.UpdateParameters("Contnum2").DefaultValue =
TextBox6.Text

ReadCustomertable.UpdateParameters("Area").DefaultValue =
DropDownList5.Text

ReadCustomertable.UpdateParameters("Deliveryaddress").DefaultValue =
TextBox10.Text

ReadCustomertable.UpdateParameters("ACClimit").DefaultValue =
TextBox12.Text
            If RadioButton3.Checked = True Then

ReadCustomertable.UpdateParameters("Gender").DefaultValue =
"Male"
            Else

ReadCustomertable.UpdateParameters("Gender").DefaultValue =
"Female"
            End If
            ReadCustomertable.Update()
            MsgBox("Data successfully updated")
            Response.Redirect("Update customers.aspx")
        End If
    End Sub

```

```

        End While
    End Sub
    Protected Sub Button11_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button11.Click
        Response.Redirect("Update customers.aspx")
    End Sub
    Protected Sub Button10_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button10.Click
        Response.Redirect("Update customers.aspx")
    End Sub
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click
        MsgBox("Delete the selected data?", MsgBoxStyle.YesNo)
        If MsgBoxResult.Yes Then

ReadCustomertable.DeleteParameters("CustID").DefaultValue =
TextBox3.Text
        ReadCustomertable.Delete()
        MsgBox("Data successfully deleted")
        Response.Redirect("Update customers.aspx")
    End If
End Sub
End Class

```

2.8 Salesperson Page Code

Source (“Design”) Code

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Update
salesperson.aspx.vb" Inherits="Update_salesperson" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="Button10" runat="server"
PostBackUrl("~/Main menu.aspx" Text="Main menu" /><br />
            Welcome
            <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>!<br />

```

```

<asp:Button ID="Button6" runat="server" Text="Add
Salesperson" />
<asp:Button ID="Button5" runat="server" Text="Update
Salesperson" />&nbsp;
<br />
<asp:Panel ID="Panel4" runat="server" Height="102px"
Width="782px" Visible="False">
    UPDATE SALESPERSON<br />
    <table style="width: 787px; height: 30px">
        <tr>
            <td style="width: 374px; height: 61px;">
                Salesperson ID</td>
            <td style="width: 700px; height: 61px;">
                <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>
                <asp:Button ID="Button1" runat="server"
Text="Search" /></td>
                <td style="width: 654px; height: 61px;">
                </td>
            </tr>
        </table>
    </asp:Panel>
    <asp:Panel ID="Panel11" runat="server" Height="449px"
Visible="False" Width="697px"><table style="width: 787px;
height: 466px">
    <tr>
        <td style="width: 374px">
            Name</td>
        <td style="width: 713px">
            <asp:TextBox ID="TextBox5"
runat="server"></asp:TextBox></td>
            <td style="width: 654px">
            </td>
        </tr>
        <tr>
            <td style="width: 374px; height: 29px;">
                Gender</td>
            <td style="width: 713px; height: 29px;">
                <asp:RadioButton ID="RadioButton1"
runat="server" Text="Male" GroupName="Gender" />
                <asp:RadioButton ID="RadioButton2"
runat="server" Text="Female" GroupName="Gender"
ValidationGroup="Gender" /></td>
            <td style="width: 654px; height: 29px;">
            </td>
        </tr>
        <tr>
    </tr>

```

```

        <td style="width: 374px">
            Contact number 1</td>
        <td style="width: 713px">
            <asp:TextBox ID="TextBox10"
runat="server"></asp:TextBox></td>
        <td style="width: 654px">
        </td>
    </tr>
    <tr>
        <td style="width: 374px">
            Contact number 2</td>
        <td style="width: 713px">
            <asp:TextBox ID="TextBox11"
runat="server"></asp:TextBox></td>
        <td style="width: 654px">
        </td>
    </tr>
    <tr>
        <td style="width: 374px">
            Address</td>
        <td style="width: 713px">
            <asp:TextBox ID="TextBox12"
runat="server"></asp:TextBox></td>
        <td style="width: 654px">
        </td>
    </tr>
    <tr>
        <td style="width: 374px">
            Customer
            Area</td>
        <td style="width: 713px">
            <asp:TextBox ID="TextBox3"
runat="server"></asp:TextBox></td>
        <td style="width: 654px">
        </td>
    </tr>
    <tr>
        <td style="width: 374px">
        </td>
        <td style="width: 713px">
            &ampnbsp<asp:Button ID="Button2"
runat="server" Text="Update" />&ampnbsp
            <asp:Button ID="Button4" runat="server"
Text="Cancel" />
            <asp:Button ID="Button8" runat="server"
Text="Delete record" /></td>
        <td style="width: 654px">

```

```

                </td>
            </tr>
        </table>
    </asp:Panel>
    <asp:Panel ID="Panel12" runat="server" Height="353px"
Visible="False" Width="589px">
        ADD SALESPERSON<br />
        <table style="width: 787px; height: 466px">
            <tr>
                <td style="width: 374px">
                    Salesperson ID</td>
                <td style="width: 713px">
                    <asp:TextBox ID="TextBox4"
runat="server" ReadOnly="True"></asp:TextBox></td>
                <td style="width: 654px">
                </td>
            </tr>
            <tr>
                <td style="width: 374px">
                    Name</td>
                <td style="width: 713px">
                    <asp:TextBox ID="TextBox6"
runat="server"></asp:TextBox></td>
                <td style="width: 654px">
                </td>
            </tr>
            <tr>
                <td style="width: 374px">
                    Gender</td>
                <td style="width: 713px">
                    <asp:RadioButton ID="RadioButton3"
runat="server" Text="Male" GroupName="Gender" />
                    <asp:RadioButton ID="RadioButton4"
runat="server" Text="Female" GroupName="Gender" /></td>
                <td style="width: 654px">
                </td>
            </tr>
            <tr>
                <td style="width: 374px">
                    Contact number 1</td>
                <td style="width: 713px">
                    <asp:TextBox ID="TextBox7"
runat="server"></asp:TextBox></td>
                <td style="width: 654px">
                </td>
            </tr>
            <tr>

```

```

        <td style="width: 374px">
            Contact number 2</td>
        <td style="width: 713px">
            <asp:TextBox ID="TextBox8"
runat="server"></asp:TextBox></td>
        <td style="width: 654px">
        </td>
    </tr>
    <tr>
        <td style="width: 374px">
            Address</td>
        <td style="width: 713px">
            <asp:TextBox ID="TextBox9"
runat="server"></asp:TextBox></td>
        <td style="width: 654px">
        </td>
    </tr>
    <tr>
        <td style="width: 374px">
            Customer
            Area</td>
        <td style="width: 713px">
            <asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox></td>
        <td style="width: 654px">
        </td>
    </tr>
    <tr>
        <td style="width: 374px">
        </td>
        <td style="width: 713px">
            &ampnbsp<asp:Button ID="Button3"
runat="server" Text="Save" />&ampnbsp
            <asp:Button ID="Button7" runat="server"
Text="Cancel" /></td>
        <td style="width: 654px">
        </td>
    </tr>
</table>
</asp:Panel>
&ampnbsp&ampnbsp<br />
&ampnbsp

<asp:AccessDataSource ID="ReadSalespersonTable2"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM [Salesperson] ORDER BY
[SalespersonID]" DataSourceMode="DataReader"

```

```

        DeleteCommand="DELETE FROM [Salesperson] WHERE
[SalespersonID] = @SalespersonID"
        UpdateCommand="update Salesperson
                      set Area=@Area, Salesname=@Salesname,
Gender=@Gender, Contactnumber1=@Contactnumber1,
                           Contactnumber2=@Contactnumber2,
Address=@Address
                           where SalespersonID=@SalespersonID">
<UpdateParameters>
<asp:Parameter Name="Area" DefaultValue="" />
<asp:Parameter Name="Salesname" DefaultValue="" />
<asp:Parameter Name="Gender" DefaultValue="" />
<asp:Parameter Name="Contactnumber1"
DefaultValue="" />
<asp:Parameter Name="Contactnumber2"
DefaultValue="" />
<asp:Parameter Name="Address" DefaultValue="" />
<asp:ControlParameter ControlID="Textbox1"
PropertyName="Text" Name="SalespersonID" DefaultValue="" />
</UpdateParameters>
<DeleteParameters>
<asp:Parameter Name="SalespersonID" Type="Int32" />
</DeleteParameters>
</asp:AccessDataSource>

</div>

<asp:AccessDataSource ID="SetSalespersontable"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT DISTINCT * FROM [Salesperson]
"
InsertCommand = "insert into Salesperson
(SalespersonID, Salesname, Gender, Contactnumber1,
Contactnumber2, Address, Area)
values (@SalespersonID, @Salesname, @Gender,
@Contactnumber1, @Contactnumber2, @Address, @Area) " >
<InsertParameters>
<asp:Parameter Name= "SalespersonID"
DefaultValue = "" />
<asp:Parameter Name = "Salesname"
DefaultValue ="" />
<asp:Parameter Name = "Gender"
DefaultValue ="" />
<asp:Parameter Name= "Contactnumber1"
DefaultValue = "" />
<asp:Parameter Name = "Contactnumber2"
DefaultValue ="" />

```

Working Code

```
Partial Class Update_salesperson
    Inherits System.Web.UI.Page
    Protected Sub Button3_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button3.Click

        SetSalespersontable.InsertParameters("SalespersonID").DefaultValue =
        TextBox4.Text

        SetSalespersontable.InsertParameters("Salesname").DefaultValue =
        TextBox6.Text

        SetSalespersontable.InsertParameters("Contactnumber1").DefaultValue =
        TextBox7.Text

        SetSalespersontable.InsertParameters("Contactnumber2").DefaultValue =
        TextBox8.Text

        SetSalespersontable.InsertParameters("Address").DefaultValue =
        TextBox9.Text
    End Sub
End Class
```

```

SetSalespersontable.InsertParameters("Area").DefaultValue =
TextBox2.Text
    If RadioButton3.Checked = True Then

SetSalespersontable.InsertParameters("Gender").DefaultValue =
"Male"
    Else

SetSalespersontable.InsertParameters("Gender").DefaultValue =
"Female"
    End If
    SetSalespersontable.Insert()
    MsgBox("Data successfully saved")
    Response.Redirect("Update Salesperson.aspx")
End Sub
Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click
    Dim x As Data.IDataReader =
 CType(ReadSalespersontable2.Select(DataSourceSelectArguments.Emp
ty), Data.IDataReader)
    Dim f As Boolean
    f = False
    While x.Read()
        If TextBox1.Text IsNot ("") And TextBox1.Text =
x("SalespersonID") Then
            f = True
            Panel1.Visible = True
            TextBox5.Text = x("Salesname")
            TextBox10.Text = x("Contactnumber1")
            TextBox11.Text = x("Contactnumber2")
            TextBox12.Text = x("Address")
            TextBox3.Text = x("Area")
            If x("Gender") = "Male" Then
                RadioButton1.Checked = True
            End If
            If x("Gender") = "Female" Then
                RadioButton2.Checked = True
            End If
        End If
    End While
    x.Close()
    If f = False Then
        MsgBox("Please enter a correct salesperson ID")
    End If
End Sub

```

```

Protected Sub Button2_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button2.Click
    Dim x As Data.IDataReader =
    CType(ReadSalespersonstable2.Select(DataSourceSelectArguments.Emp
ty), Data.IDataReader)
    While x.Read()
        If TextBox1.Text = x("SalespersonID") Then

ReadSalespersonstable2.UpdateParameters("Salesname").DefaultValue
= TextBox5.Text

ReadSalespersonstable2.UpdateParameters("Contactnumber1").Default
Value = TextBox10.Text

ReadSalespersonstable2.UpdateParameters("Contactnumber2").Default
Value = TextBox11.Text

ReadSalespersonstable2.UpdateParameters("Address").DefaultValue =
TextBox12.Text

ReadSalespersonstable2.UpdateParameters("Area").DefaultValue =
TextBox3.Text
        If RadioButton1.Checked = True Then

ReadSalespersonstable2.UpdateParameters("Gender").DefaultValue =
"Male"
        End If
        If RadioButton2.Checked = True Then

ReadSalespersonstable2.UpdateParameters("Gender").DefaultValue =
"Female"
        End If
        ReadSalespersonstable2.Update()
        MsgBox("Data successfully updated")
        Response.Redirect("Update Salesperson.aspx")
    End If
    End While
    x.Close()
End Sub
Protected Sub Button4_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button4.Click
    Response.Redirect("Update salesperson.aspx")
End Sub
Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
    Label1.Text = Session("loginnname")

```

```

        Dim x As Data.IDataReader =
CType(ReadSalespersonTable2.Select(DataSourceSelectArguments.Emp
ty), Data.IDataReader)
        Dim salesid As Integer
        While x.Read()
            salesid = x("SalespersonID")
        End While
        x.Close()
        TextBox4.Text = salesid + 1
    End Sub
    Protected Sub Button6_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button6.Click
        'button 6: add salesperson
        Panel2.Visible = True 'add form
        Panel1.Visible = False 'update form
        Panel4.Visible = False 'search
    End Sub
    Protected Sub Button5_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button5.Click
        Panel2.Visible = False
        Panel1.Visible = False
        Panel4.Visible = True
    End Sub
    Protected Sub Button7_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button7.Click
        Response.Redirect("Update salesperson.aspx")
    End Sub
    Protected Sub Button8_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button8.Click
        MsgBox("Delete record?", MsgBoxStyle.YesNo)
        If MsgBoxResult.Yes Then
            ReadSalespersonTable2.DeleteParameters("SalespersonID").DefaultValue
            = TextBox1.Text
            ReadSalespersonTable2.Delete()
            MsgBox("Record successfully deleted")
            Response.Redirect("Update salesperson.aspx")
        End If
    End Sub
End Class

```

2.9 Invoice Cover Page Code

Source (“Design”) Code

```
<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Invoice.aspx.vb" Inherits="Invoice" %>
```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="Button4" runat="server"
PostBackUrl("~/Main menu.aspx" Text="Main menu" /><br />
            Hello, Welcome
            <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>!<br />
            <asp:Button ID="Button1" runat="server" Text="Invoice
table" />
            <asp:Button ID="Button2" runat="server" Text="Invoice
search" PostBackUrl "~/Search.aspx" />
            <asp:Button ID="Button3" runat="server" Text="Change
invoice status" /></div>
        </form>
    </body>
</html>

```

Working Code

```

Partial Class Invoice
    Inherits System.Web.UI.Page
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
        Label1.Text = Session("loginname")
    End Sub
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click
        Response.Redirect("Invoicetable.aspx")
    End Sub
    Protected Sub Button3_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button3.Click
        Response.Redirect("Updateinvoicestatus.aspx")
    End Sub
End Class

```

2.10 Invoice Table Page Code

Source ("Design") Code

```

<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Invoicetable.aspx.vb" Inherits="Invoicetable" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Date
            <asp:Label ID="Label2" runat="server"
Text="Label"></asp:Label><br />
            Invoice no
            <asp:Label ID="Label15" runat="server"
Text="Label"></asp:Label>-<asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label><br />
            Date of due
            <asp:Label ID="Label3" runat="server"
Text="Label"></asp:Label><br />
            <asp:Panel ID="Panel4" runat="server" Height="617px"
Width="1169px">
                <asp:Button ID="Button6" runat="server"
PostBackUrl("~/Main menu.aspx" Text="Main menu" />
                <asp:Button ID="Button2" runat="server"
PostBackUrl "~/Invoice.aspx" Text="Invoice" /><br />
                Welcome,
                <asp:Label ID="Label14" runat="server"
Text="Label"></asp:Label>!<br />
                <asp:Panel ID="Panel3" runat="server" Height="106px"
Width="897px">
                    <table style="width: 902px; height: 52px">
                        <tr>
                            <td style="width: 175px; height: 29px;">
                                CustomerID</td>
                            <td style="width: 100px; height: 29px;">
                                &nbsp;<asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>&nbsp;
                            </td>
                            <td style="width: 100px; height: 29px;">
                                <asp:Button ID="Button4" runat="server"
Text="Search" Width="478px" /></td>
                        </tr>
                        <tr>

```

```

        <td style="width: 175px; height: 31px;">
            Customer name</td>
        <td style="width: 100px; height: 31px;">
            <asp:Label ID="Label5"
runat="server"></asp:Label></td>
        <td style="width: 100px; height: 31px;">
            </td>
        </tr>
    </table>
</asp:Panel>
    <table style="width: 1311px; height: 450px;">
        <tr>
            <td style="width: 721px; height: 36px">
                Salesperson ID</td>
            <td style="width: 454px; height: 36px">
                <asp:DropDownList ID="DropDownList1"
runat="server" DataSourceID="SetSalespersonstable"
DataTextField="SalespersonID" DataValueField="SalespersonID">
                    </asp:DropDownList></td>
            <td style="width: 338px; height: 36px">
                Product ID</td>
            <td style="width: 62px; height: 36px">
                <asp:TextBox ID="TextBox5"
runat="server"></asp:TextBox></td>
            <td style="width: 452px; height: 36px">
                <asp:Button ID="Button5" runat="server"
Text="Search" /></td>
            <td style="width: 452px; height: 36px">
                Quantity</td>
            <td style="width: 1356px; height: 36px">
                <asp:TextBox ID="TextBox8"
runat="server" ReadOnly="True"></asp:TextBox></td>
            <td style="width: 1424px; height: 36px">
                <asp:Button ID="Button1" runat="server"
Text="Calculate" /></td>
        </tr>
        <tr>
            <td style="width: 721px; height: 33px">
                Salesperson name</td>
            <td style="width: 454px; height: 33px">
                <asp:Label ID="Label13"
runat="server"></asp:Label></td>
            <td style="width: 338px; height: 33px">
                Product name</td>
            <td style="width: 62px; height: 33px">
                <asp:Label ID="Label16"
runat="server"></asp:Label></td>
        
```

```

        <td style="width: 452px; height: 33px;">
        </td>
        <td style="width: 452px; height: 33px">
            Total before discount</td>
        <td style="width: 1356px; height: 33px">
            <asp:Label ID="Label9"
runat="server"></asp:Label></td>
            <td style="width: 1424px; height: 33px">
            </td>
        </tr>
        <tr>
            <td style="width: 721px; height: 33px">
            </td>
            <td style="width: 454px; height: 33px">
            </td>
            <td style="width: 338px; height: 33px">
                Core size</td>
            <td style="width: 62px; height: 33px">
                <asp:Label ID="Label11"
runat="server"></asp:Label></td>
                <td style="width: 452px; height: 33px">
                </td>
                <td style="width: 452px; height: 33px">
                    Total after<br />
                    discount</td>
                <td style="width: 1356px; height: 33px">
                    <asp:Label ID="Label10"
runat="server"></asp:Label></td>
                    <td style="width: 1424px; height: 33px">
                        <asp:Button ID="Button3" runat="server" Text="Add
products" /></td>
                    </tr>
                    <tr>
                        <td style="width: 721px; height: 33px">
                        </td>
                        <td style="width: 454px; height: 33px">
                        </td>
                        <td style="width: 338px; height: 33px">
                            Length</td>
                        <td style="width: 62px; height: 33px">
                            <asp:Label ID="Label12"
runat="server"></asp:Label></td>
                            <td style="width: 452px; height: 33px">
                            </td>
                            <td style="width: 452px; height: 33px">
                            </td>
                            <td style="width: 1356px; height: 33px">

```

```

        </td>
        <td style="width: 1424px; height: 33px">
        </td>
    </tr>
    <tr>
        <td style="width: 721px; height: 29px">
        </td>
        <td style="width: 454px; height: 29px">
        </td>
        <td style="width: 338px; height: 29px">
            Price
        </td>
        <td style="width: 62px; height: 29px">
            <asp:Label ID="Label17"
runat="server"></asp:Label></td>
            <td style="width: 452px; height: 29px">
            </td>
            <td style="width: 452px; height: 29px">
            </td>
            <td style="width: 1356px; height: 29px">
            </td>
            <td style="width: 1424px; height: 29px">
            </td>
        </tr>
        <tr>
            <td style="width: 721px; height: 38px">
            </td>
            <td style="width: 454px; height: 38px">
            </td>
            <td style="width: 338px; height: 38px">
                Discount (%)</td>
            <td style="width: 62px; height: 38px">
                <asp:Label ID="Label18"
runat="server"></asp:Label></td>
                <td style="width: 452px; height: 38px">
                </td>
                <td style="width: 452px; height: 38px">
                </td>
                <td style="width: 1356px; height: 38px">
                </td>
                <td style="width: 1424px; height: 38px">
                </td>
            </tr>
        </table>
    </asp:Panel>
<asp:Panel ID="Panel11" runat="server">

```

```

<asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" DataKeyNames="TransactionID"
DataSourceID="Invoiceview">
    <Columns>
        <asp:BoundField DataField="Invoicenumber"
HeaderText="Invoice number" SortExpression="Invoicenumber" />
        <asp:BoundField DataField="ProductID"
HeaderText="Product ID" SortExpression="ProductID" />
        <asp:BoundField DataField="Productname"
HeaderText="Product Name" SortExpression="Productname" />
        <asp:BoundField DataField="Coresize"
HeaderText="Core Size" SortExpression="Coresize" />
        <asp:BoundField DataField="Length"
HeaderText="Length" SortExpression="Length" />
        <asp:BoundField DataField="Price"
HeaderText="Price" SortExpression="Price" />
        <asp:BoundField DataField="Quantity"
HeaderText="Quantity" SortExpression="Quantity" />
        <asp:BoundField DataField="Discount"
HeaderText="Discount" SortExpression="Discount" />
        <asp:BoundField DataField="Total"
HeaderText="Total" SortExpression="Total" />
        <asp:CommandField ShowDeleteButton="True" />
    </Columns>
</asp:GridView>
</asp:Panel>
   
<asp:Panel
ID="Panel2" runat="server" Height="61px"
Width="456px">
    Grand total:
    <asp:Label ID="Label4" runat="server" Text="0"
Width="113px" EnableTheming="True"
EnableViewState="False"></asp:Label><br />
    Invoice
        status:
        <asp:DropDownList ID="DropDownList2"
runat="server"><asp:ListItem>-</asp:ListItem>
            <asp:ListItem>Not paid</asp:ListItem>
            <asp:ListItem>Paid</asp:ListItem>
        </asp:DropDownList></asp:Panel>
    &ampnbsp &ampnbsp
<asp:Button ID="finish" runat="server" Text="Finish" />
<%--<asp:Button ID="Button2" runat="server"
Text="Finish" Visible="False">--%>
        <asp:Button ID="Button8" runat="server"
OnClientClick="javascript:window.print();"

```



```

        </InsertParameters>

    </asp:AccessDataSource>
    <asp:AccessDataSource ID="ReadCusttable" runat="server"
DataFile="~/CS database.mdb"
    DataSourceMode="DataReader" SelectCommand="SELECT * FROM [Customertable]"></asp:AccessDataSource>
    &nbsp; &nbsp; &nbsp; &nbsp;<asp:AccessDataSource
ID="AccessDataSource1" runat="server"
    DataFile="~/CS database.mdb"
DataSourceMode="DataReader" SelectCommand="SELECT * FROM [Invoicedata] ORDER BY [InvoiceID]">
    </asp:AccessDataSource>
    <asp:AccessDataSource ID="CustomerSalespersonlink"
runat="server">
        <SelectParameters>
            <asp:ControlParameter ControlID="TextBox1"
Name="?" PropertyName="Text" />
        </SelectParameters>
    </asp:AccessDataSource>
    &nbsp;&nbsp;<br />
    &nbsp; &nbsp; &nbsp; &nbsp;
    <asp:AccessDataSource ID="Invoicedata" runat="server"
DataFile="~/CS database.mdb"
    SelectCommand="SELECT * FROM [Invoicedata]"
InsertCommand= "insert into Invoicedata (InvoiceID, CustomerID,
SalespersonID, Invyear,Commissionstatus) values (@InvoiceID,
@CustomerID, @SalespersonID, @Invyear,@Commissionstatus)">
        <InsertParameters>
            <asp:Parameter Name= "InvoiceID"
DefaultValue = "" />
                <asp:Parameter Name = "CustomerID"
DefaultValue ="" />
                    <asp:Parameter Name = "SalespersonID"
DefaultValue ="" />
            <asp:Parameter Name = "Invyear"
DefaultValue ="" />
                <asp:Parameter Name = "Commissionstatus" DefaultValue
="" />
        </InsertParameters>

```

```

        </asp:AccessDataSource>
        &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
        <asp:AccessDataSource ID="ReadInvoiceTable"
runat="server" DataFile="~/CS database.mdb"
            DataSourceMode="DataReader" SelectCommand="SELECT * 
FROM [Invoicetable] ORDER BY [Dateoforder], [Invoicenumber]">

        </asp:AccessDataSource>
        <asp:AccessDataSource ID="Insertproducttransaction"
runat="server" DataFile="~/CS database.mdb"
            SelectCommand="SELECT * FROM [Producttransaction]
WHERE ([Invoicenumber] = ?)" 

            InsertCommand = "insert into Producttransaction
(Invoicenumber, ProductID , Quantity, Price, Discount, Total)
values (@Invoicenumber, @ProductID , @Quantity,
@Price, @Discount, @Total)" DataSourceMode="DataReader"
        >

        <InsertParameters>
            <asp:Parameter Name= "Invoicenumber"
DefaultValue = "" />
            <asp:Parameter Name = "ProductID"
DefaultValue ="" />

            <asp:Parameter Name= "Quantity"
DefaultValue = "" />
            <asp:Parameter Name = "Price"
DefaultValue ="" />
            <asp:Parameter Name = "Discount"
DefaultValue ="" />
            <asp:Parameter Name = "Total"
DefaultValue ="" />

        </InsertParameters>

        <SelectParameters>
            <asp:ControlParameter ControlID="Label1"
Name="Invoicenumber" PropertyName="Text"

```

```

        Type="String" />
    </SelectParameters>
</asp:AccessDataSource>
    &nbsp;
<asp:AccessDataSource ID="Readproducts" runat="server"
DataSourceMode="DataReader" DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM [Product]"
UpdateCommand="update Product set Stocklevel=@Stocklevel
where ProductID=@ProductID">

    <UpdateParameters>
        <asp:Parameter Name="Stocklevel" DefaultValue="" />
        <asp:ControlParameter ControlID="Textbox5"
PropertyName="Text" Name="ProductID" DefaultValue="" />
    </UpdateParameters>

</asp:AccessDataSource>
<br />
&nbsp;
<asp:AccessDataSource ID="AccessDataSource3"
runat="server"></asp:AccessDataSource>
    &nbsp;<asp:AccessDataSource ID="Invoiceview"
runat="server" DataFile="~/CS database.mdb"
        SelectCommand="SELECT
Producttransaction.TransactionID,
Producttransaction.Invoicenumber, Producttransaction.ProductID,
Producttransaction.Quantity, Producttransaction.Price,
Producttransaction.Discount, Producttransaction.Total,
Product.ProductID AS Expr2, Product.Productname,
Product.Coresize, Product.Length, Product.Price AS Expr3,
Product.Discounts, Producttransaction.Invoicenumber AS Expr1,
Producttransaction.Invyear FROM (Producttransaction INNER JOIN
Product ON Producttransaction.ProductID = Product.ProductID)
WHERE (Producttransaction.Invoicenumber = ?) AND
(Producttransaction.Invyear = ?)" DataSourceMode="DataReader"
        deletecommand ="DELETE from Producttransaction where
TransactionID=@TransactionID"
    >
        <SelectParameters>
            <asp:ControlParameter ControlID="Label1"
Name="?" PropertyName="Text" />
            <asp:ControlParameter ControlID="Label15"
DefaultValue="" Name="?" PropertyName="Text" />
        </SelectParameters>
    </asp:AccessDataSource>
<br />
```

```
<asp:AccessDataSource ID="SetInvoicetable"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM [Invoicetable]>

</asp:AccessDataSource>
<asp:AccessDataSource ID="InsertInvoiceTable"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM [Invoicetable]"

    InsertCommand = "insert into Invoicetable
(Dateoforder, Invoicenumber , Status, Dateofdue,Invyear)
values (@Dateoforder, @Invoicenumber , @Status,
@Dateofdue,@Invyear)"
    >

    <InsertParameters>
        <asp:Parameter Name= "Dateoforder"
DefaultValue = "" />

            <asp:Parameter Name = "Invoicenumber"
DefaultValue ="" />

                <asp:Parameter Name= "Status"
DefaultValue = "" />
                <asp:Parameter Name = "Dateofdue"
DefaultValue ="" />
                <asp:Parameter Name = "Invyear"
DefaultValue ="" />

    </InsertParameters>

    </asp:AccessDataSource>
<asp:AccessDataSource ID="Readproducttransaction"
runat="server" DataSourceMode="DataReader" DataFile="~/CS
database.mdb"
SelectCommand="SELECT * FROM [Producttransaction]">
</asp:AccessDataSource>
 <br />
```

```

        &nbsp; &nbsp; &nbsp; &nbsp;&nbsp;&nbsp; &nbsp;
&nbsp;&nbsp; &nbsp;&nbsp; &nbsp; &nbsp;
        &nbsp; &nbsp;&nbsp;&nbsp; &nbsp; &nbsp;
<%--<asp:AccessDataSource ID="SetInvoiceTable"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM [Invoicetable]"
    InsertCommand="insert into Invoicetable ( Dateoforder,
Invoicenumber, Customer, Salesperson, Discount, Grandtotal,
Dateofdue) values (@Dateoforder, @Invoicenumber, @Customer,
@Salesperson, @Discount, @Grandtotal, @Dateofdue)">

    <InsertParameters>

        <asp:Parameter Name= "Dateoforder"
DefaultValue = "" />
        <asp:Parameter Name = "Invoicenumber"
DefaultValue ="" />
        <asp:Parameter Name = "Customer"
DefaultValue ="" />
        <asp:Parameter Name = "Salesperson"
DefaultValue ="" />

        <asp:Parameter Name= "Discount"
DefaultValue = "" />
        <asp:Parameter Name = "Grandtotal"
DefaultValue ="" />
        <asp:Parameter Name = "Dateofdue"
DefaultValue ="" />

    </InsertParameters>
</asp:AccessDataSource>
&nbsp;<br />
<br />--%>
<asp:AccessDataSource ID="SetSalespersontable"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM [Salesperson] ORDER BY
[SalespersonID]" DataSourceMode="DataReader">

        </asp:AccessDataSource>
<asp:AccessDataSource ID="Updaresalesperson"
runat="server" DataFile="~/CS database.mdb"
    DataSourceMode="DataReader" SelectCommand="SELECT *
FROM [Salesperson]"></asp:AccessDataSource>
<br />
<br />

```

```

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

```

Working Code

```

Partial Class Invoicetable
    Inherits System.Web.UI.Page
    Dim prodname, slname, csize, length As String
    Dim price, discount, limit As Double
    Dim f As Boolean
    Dim q2 As Integer
    Dim q1 As Integer
    Dim prod As Integer
    Public Function ACC() 'function to read the customer's
account limit
        Dim a As Data.IDataReader =
CType(ACClimit.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        limit = 0
        While a.Read()
            If TextBox1.Text = a("CustID") Then
                limit = a("ACClimit")
            End If
        End While
        a.Close()
        Return limit
    End Function
    Protected Sub Button3_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button3.Click
        'button 3: add products
        Dim exceed As Boolean = False
        ACC()
        If Val(Label10.Text) + Val(Label4.Text) >= limit Then
'total (quantity*price) + grand total (directly calculated from
the gridview
            exceed = True
            finish.Visible = False
            MsgBox("Transaction exceeds the account limit,
please delete some items. Account limit = Rp." & limit)
        End If
        If exceed = False Then
            Dim l As Data.IDataReader =
CType(AccessDataSource1.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)

```

```

        Dim invfound As Boolean = False
        While l.Read()
            If Label1.Text = l("InvoiceID") And Label15.Text
= l("Invyear") Then
                invfound = True 'to check whether the
                invoice data is saved in the data base
            End If
        End While
        l.Close()
        If invfound = False Then

Invoicedata.InsertParameters("Invyear").DefaultValue =
Label15.Text

Invoicedata.InsertParameters("InvoiceID").DefaultValue =
Label1.Text

Invoicedata.InsertParameters("CustomerID").DefaultValue =
TextBox1.Text

Invoicedata.InsertParameters("SalespersonID").DefaultValue =
DropDownList1.Text

Invoicedata.InsertParameters("Commissionstatus").DefaultValue =
"No"
            Invoicedata.Insert()
        End If
        Panel2.Visible = True

SetProductTransaction.InsertParameters("Invoicenumber").DefaultValue =
Label1.Text

SetProductTransaction.InsertParameters("ProductID").DefaultValue =
TextBox5.Text

SetProductTransaction.InsertParameters("Quantity").DefaultValue =
TextBox8.Text

SetProductTransaction.InsertParameters("Total").DefaultValue =
Label10.Text

SetProductTransaction.InsertParameters("Price").DefaultValue =
Label7.Text

SetProductTransaction.InsertParameters("Discount").DefaultValue =
Label8.Text

```

```

SetProductTransaction.InsertParameters("Invyear").DefaultValue =
Today.Year
    SetProductTransaction.Insert()
    MsgBox("Data successfully saved")
    GridView1.DataBind()
    finish.Visible = True
    Response.Redirect("invoicetable.aspx")
End If
End Sub
Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
    'TO CALCULATE DUE DATE AUTOMATICALLY
    Label14.Text = Session("loginnname")
    Label2.Text = Today.Date
    Label3.Text = DateAdd("d", 30, Today.Date)
    Dim a As Integer
    a = Today.Year
    'TO INCREMENT INVOICE NUMBER EACH TIME A TRANSACTION IS
FINISHED. HOWEVER EVERY YEAR, THE INVOICE NUMBER SHOULD START
FROM 1 AGAIN.
    Dim x As Data.IDataReader =
CType(ReadInvoiceTable.Select(DataSourceSelectArguments.Empty), Data.IDataReader)
        Dim invoicenumber As Integer
        Dim yrdate As Date
        Dim year As Integer
        While x.Read()
            yrdate = x("Dateoforder")
            year = yrdate.Year
            If year < Today.Year Then
                Label1.Text = "1"
                Label15.Text = a
            Else
                invoicenumber = x("Invoicenumber")
                Label1.Text = invoicenumber + 1
                Label15.Text = a
            End If
        End While
        x.Close()
    'RETRIEVE THE CUSTOMER ID AND SALESPERSON ID ONCE AN
INVOICE IS CREATED BUT NOT FINISHED / ONCE THE ADD PRODUCTS
BUTTON IS CLICKED.
    Dim y As Data.IDataReader =
CType(AccessDataSource1.Select(DataSourceSelectArguments.Empty), Data.IDataReader)
    Dim sid As Integer

```

```

        While y.Read()
            If Label1.Text = y("InvoiceID") And Label15.Text =
y("Invyear") Then
                TextBox1.Text = y("CustomerID")
                DropDownList1.Text = y("SalespersonID")
                DropDownList1.Enabled = False
                sid = y("SalespersonID")
                Dim z As Data.IDataReader =
CType(ReadCusttable.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
                While z.Read()
                    If TextBox1.Text = z("CustID") Then
                        Label5.Text = z("Custname")
                    End If
                End While
                z.Close()
            End If
        End While
        y.Close()
        Dim y1 As Data.IDataReader =
CType(SetSalespersontable.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        While y1.Read()
            If sid = y1("SalespersonID") Then
                Label13.Text = y1("Salesname")
            End If
        End While
        y1.Close()
        If Not (TextBox1.Text = "") Then
        End If
        Dim h As Data.IDataReader =
CType(AccessDataSource1.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        Dim invfound As Boolean = False
        While h.Read()
            If Label1.Text = h("InvoiceID") And Label15.Text =
h("Invyear") Then
                TextBox1.ReadOnly = True
                invfound = True
            End If
        End While
        h.Close()
        GridView1.DataBind()
        'CALCULATE THE TOTAL TRANSACTION DIRECTLY FROM THE GRID
VIEW
        Dim total, total1 As Double
        For i As Integer = 0 To GridView1.Rows.Count - 1

```

```

        total =
Convert.ToInt32(Gridview1.Rows(i).Cells(8).Text)
        total1 = total1 + total
    Next
    Label4.Text = total1
End Sub
Protected Sub Button4_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button4.Click
    Dim z As Data.IDataReader =
 CType(ReadCusttable.Select(DataSourceSelectArguments.Empty), Data.IDataReader)
    Dim f As Boolean = False
    While z.Read()
        If TextBox1.Text = z("CustID") Then
            Label5.Text = z("Custname")
            f = True
        End If
    End While
    z.Close()
    If f = False Then
        MsgBox("Please enter the correct customer ID")
    End If
End Sub
Protected Sub Button5_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button5.Click
    Dim x As Data.IDataReader =
 CType(Readproducts.Select(DataSourceSelectArguments.Empty), Data.IDataReader)
    Dim y As Data.IDataReader =
 CType(SetSalespersontable.Select(DataSourceSelectArguments.Empty), Data.IDataReader)
    Dim f1 As Boolean
    f1 = False
    While x.Read()
        If TextBox5.Text = x("ProductID") Then
            f1 = True
            prodname = x("Productname")
            csize = x("Coresize")
            length = x("Length")
            price = x("Price")
            discount = x("Discounts")
        End If
    End While
    x.Close()
    While y.Read()
        If DropDownList1.Text = y("SalespersonID") Then
            sname = y("Salesname")
        End If
    End While
    y.Close()
End Sub

```

```

        End If
    End While
    y.Close()
    If f1 = True Then
        TextBox8.ReadOnly = False
        Label6.Text = prodname
        Label11.Text = csize
        Label12.Text = length
        Label7.Text = price
        Label8.Text = discount
        Label13.Text = slname
    End If
    If f1 = False Then
        MsgBox("Please enter the correct Product ID")
    End If
End Sub
Protected Sub Button1_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click
    Dim total, totalb4 As Double
    Dim a As Data.IDataReader =
    CType(Readproducts.Select(DataSourceSelectArguments.Empty), Data.IDataReader)
    Dim d As Boolean
    Dim num As Integer
    If TextBox8.Text <> "" Then
        While a.Read()
            If TextBox5.Text = a("ProductID") Then
                num = a("Stocklevel")
            End If
            If Val(TextBox8.Text) <= a("Stocklevel") And
    TextBox5.Text = a("ProductID") Then
                d = True
                num = a("Stocklevel")
            End If
        End While
        a.Close()
        If d = False Then
            MsgBox("Sorry, quantity is not enough. Stock
available: " & num)
        End If
        If d = True Then
            totalb4 = 0
            total = 0
            Label9.Text = totalb4 + (Val(Label7.Text) *
    Val(TextBox8.Text))
        End If
    End If
End Sub

```

```

        Label10.Text = total + (((100 -
Val(Label8.Text)) / 100) * Val(Label7.Text)) *
Val(TextBox8.Text))
    End If
Else
    MsgBox("Please enter the quantity of order")
End If
End Sub
Protected Sub Button9_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button9.Click
    Response.Redirect("Invoicetable.aspx")
End Sub
Protected Sub GridView1_RowDeleted(ByVal sender As Object,
ByVal e As System.Web.UI.WebControls.GridViewDeletedEventArgs)
Handles GridView1.RowDeleted
    Response.Redirect("invoicetable.aspx")
End Sub
Protected Sub finish_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles finish.Click
    'button 2: finish
    Dim g As Boolean = False
    Dim f As Boolean = True
    If DropDownList2.Text = "-" Then
        MsgBox("Please enter the invoice status")
        f = False
    End If
    If f = True Then

InsertInvoiceTable.InsertParameters("Dateoforder").DefaultValue
= Label2.Text

InsertInvoiceTable.InsertParameters("Invoicenumber").DefaultValue
= Label1.Text

InsertInvoiceTable.InsertParameters("Status").DefaultValue =
DropDownList2.Text

InsertInvoiceTable.InsertParameters("Dateofdue").DefaultValue =
Label3.Text

InsertInvoiceTable.InsertParameters("Invyear").DefaultValue =
Today.Year
    InsertInvoiceTable.Insert()
    Dim b As Data.IDataReader =
CType(Readproducttransaction.Select(DataSourceSelectArguments.Em
pty), Data.IDataReader)
    While b.Read()

```

```

        If Label1.Text = b("Invoicenumber") And
Label15.Text = b("Invyear") Then
            q1 = b("Quantity")
            prod = b("ProductID")
            TextBox5.Text = prod
            Dim c As Data.IDataReader =
CType(Readproducts.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
            While c.Read()
                If TextBox5.Text = c("ProductID") Then
                    q2 = c("Stocklevel")
                    q2 = q2 - q1 'minus the demand from
the stock level

Readproducts.UpdateParameters("Stocklevel").DefaultValue = q2
                    Readproducts.Update()
                End If
            End While
            c.Close()
        End If
    End While
    b.Close()
    MsgBox("Invoice successfully created")
    g = True
    DropDownList2.Enabled = False
End If
If g = True Then
    Panel4.Visible = False 'panel 4: data entry form
    finish.Visible = False 'finish button
    Button8.Visible = True 'print button
    Button9.Visible = True 'close button
End If
    Panell.Visible = True 'invoice table
End Sub
End Class

```

2.11 Invoice Search Page Code

Source (“Design”) Code

```

<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Search.aspx.vb" Inherits="Search" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

```

```
<title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="Button9" runat="server"
PostBackUrl="~/Main menu.aspx" Text="Main menu" />
            <asp:Button ID="Button10" runat="server"
PostBackUrl="~/Invoice.aspx" Text="Invoice" /><br />
            Hello, Welcome
            <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>!<br />
            <table>
                <tr>
                    <td style="width: 169px">
                        Date of order</td>
                    <td style="width: 100px">
                        <asp:Calendar ID="Calendar1"
runat="server"></asp:Calendar>
                    </td>
                    <td style="width: 100px">
                        <asp:Button ID="Button2" runat="server"
Text="Filter" /></td>
                    <td style="width: 100px">
                    </td>
                </tr>
                <tr>
                    <td style="width: 169px">
                        Date of due</td>
                    <td style="width: 100px">
                        <asp:Calendar ID="Calendar2"
runat="server"></asp:Calendar>
                    </td>
                    <td style="width: 100px">
                        <asp:Button ID="Button3" runat="server"
Text="Filter" /></td>
                    <td style="width: 100px">
                    </td>
                </tr>
                <tr>
                    <td style="width: 169px">
                        Invoice status</td>
                    <td style="width: 100px">
                        <asp:DropDownList ID="DropDownList1"
runat="server">
                            <asp:ListItem></asp:ListItem>
                            <asp:ListItem>Paid</asp:ListItem>

```

```

                <asp:ListItem>Not paid</asp:ListItem>
            </asp:DropDownList></td>
        <td style="width: 100px">
            <asp:Button ID="Button4" runat="server"
Text="Filter" /></td>
        <td style="width: 100px">
            </td>
        </tr>
        <tr>
            <td style="width: 169px">
                Salesperson</td>
            <td style="width: 100px">
                <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox></td>
            <td style="width: 100px">
                <asp:Button ID="Button5" runat="server"
Text="Filter" /></td>
            <td style="width: 100px">
                </td>
            </tr>
            <tr>
                <td style="width: 169px">
                    Customer</td>
                <td style="width: 100px">
                    <asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox></td>
                <td style="width: 100px">
                    <asp:Button ID="Button6" runat="server"
Text="Filter" /></td>
                <td style="width: 100px">
                    </td>
                </tr>
                <tr>
                    <td style="width: 169px">
                        Product</td>
                    <td style="width: 100px">
                        <asp:TextBox ID="TextBox3"
runat="server"></asp:TextBox></td>
                    <td style="width: 100px">
                        <asp:Button ID="Button7" runat="server"
Text="Filter" /></td>
                    <td style="width: 100px">
                        </td>
                    </tr>
                    <tr>
                        <td style="width: 169px; height: 33px">
                            Invoice year</td>

```

```

        <td style="width: 100px; height: 33px">
            <asp:TextBox ID="TextBox4"
runat="server"></asp:TextBox></td>
        <td style="width: 100px; height: 33px">
        </td>
        <td style="width: 100px; height: 33px">
        </td>
    </tr>
    <tr>
        <td style="width: 169px">
            Invoice number</td>
        <td style="width: 100px">
            <asp:TextBox ID="TextBox5"
runat="server"></asp:TextBox></td>
        <td style="width: 100px">
            <asp:Button ID="Button1" runat="server"
Text="Filter" /></td>
        <td style="width: 100px">
            <asp:Button ID="Button8" runat="server"
Text="Done" /></td>
    </tr>
</table>
<br />
<asp:GridView ID="Dateoforderview" runat="server"
AutoGenerateColumns="False" DataSourceID="Dateoforder">
    <Columns>
        <asp:BoundField DataField="Dateoforder"
HeaderText="Date of order" SortExpression="Dateoforder" />
        <asp:BoundField DataField="Dateofdue"
HeaderText="Date of due" SortExpression="Dateofdue" />
            <asp:BoundField DataField="Invoicetable.Invyear"
HeaderText="Invoice year" SortExpression="Invoicetable.Invyear"
/>
        <asp:BoundField
DataField="Invoicetable.Invoicenumber" HeaderText="Invoice
number"
SortExpression="Invoicetable.Invoicenumber"
/>
        <asp:BoundField DataField="Custname"
HeaderText="Customer name" SortExpression="Custname" />
        <asp:BoundField DataField="Salesname"
HeaderText="Salesperson name" SortExpression="Salesname" />
            <asp:BoundField DataField="Productname"
HeaderText="Product name" SortExpression="Productname" />
                <asp:BoundField DataField="Product.Price"
HeaderText="Price" SortExpression="Product.Price" />

```

```

        <asp:BoundField DataField="Discounts"
HeaderText="Discounts" SortExpression="Discounts" />
            <asp:BoundField DataField="Quantity"
HeaderText="Quantity" SortExpression="Quantity" />
                <asp:BoundField DataField="Total"
HeaderText="Total" SortExpression="Total" />
                    <asp:BoundField DataField="Status"
HeaderText="Status" SortExpression="Status" />
                </Columns>
            </asp:GridView>
<asp:GridView ID="Dateofdueview" runat="server"
AutoGenerateColumns="False" DataSourceID="Dateofdue">
    <Columns>
        <asp:BoundField DataField="Dateoforder"
HeaderText="Date of order" SortExpression="Dateoforder" />
            <asp:BoundField DataField="Dateofdue"
HeaderText="Date of due" SortExpression="Dateofdue" />
                <asp:BoundField DataField="Invoicetable.Invyear"
HeaderText="Invoice year" SortExpression="Invoicetable.Invyear"
/>
                    <asp:BoundField
DataField="Invoicetable.Invoicenumber" HeaderText="Invoice
number"
                        SortExpression="Invoicetable.Invoicenumber"
/>
                    <asp:BoundField DataField="Custname"
HeaderText="Customer name" SortExpression="Custname" />
                        <asp:BoundField DataField="Salesname"
HeaderText="Salesperson name" SortExpression="Salesname" />
                            <asp:BoundField DataField="Productname"
HeaderText="Product name" SortExpression="Productname" />
                                <asp:BoundField DataField="Product.Price"
HeaderText="Price" SortExpression="Product.Price" />
                                    <asp:BoundField DataField="Discounts"
HeaderText="Discounts" SortExpression="Discounts" />
                                        <asp:BoundField DataField="Quantity"
HeaderText="Quantity" SortExpression="Quantity" />
                                            <asp:BoundField DataField="Total"
HeaderText="Total" SortExpression="Total" />
                                                <asp:BoundField DataField="Status"
HeaderText="Status" SortExpression="Status" />
                                            </Columns>
            </asp:GridView>
<asp:GridView ID="Invoicestatusview" runat="server"
AutoGenerateColumns="False" DataSourceID="Invoicestatus">
    <Columns>

```

```

        <asp:BoundField DataField="Dateoforder"
HeaderText="Date of order" SortExpression="Dateoforder" />
            <asp:BoundField DataField="Dateofdue"
HeaderText="Date of due" SortExpression="Dateofdue" />
                <asp:BoundField DataField="Invoicetable.Invyear"
HeaderText="Invoice year" SortExpression="Invoicetable.Invyear"
/>
                    <asp:BoundField
DataField="Invoicetable.Invoicenumber" HeaderText="Invoice
number"
SortExpression="Invoicetable.Invoicenumber"
/>
            <asp:BoundField DataField="Custname"
HeaderText="Customer name" SortExpression="Custname" />
                <asp:BoundField DataField="Salesname"
HeaderText="Salesperson name" SortExpression="Salesname" />
                    <asp:BoundField DataField="Productname"
HeaderText="Product name" SortExpression="Productname" />
                        <asp:BoundField DataField="Product.Price"
HeaderText="Price" SortExpression="Product.Price" />
                            <asp:BoundField DataField="Discounts"
HeaderText="Discounts" SortExpression="Discounts" />
                                <asp:BoundField DataField="Quantity"
HeaderText="Quantity" SortExpression="Quantity" />
                                    <asp:BoundField DataField="Total"
HeaderText="Total" SortExpression="Total" />
                                        <asp:BoundField DataField="Status"
HeaderText="Status" SortExpression="Status" />
                    </Columns>
            </asp:GridView>
<asp:GridView ID="Salesview" runat="server"
AutoGenerateColumns="False" DataSourceID="Sales">
    <Columns>
        <asp:BoundField DataField="Dateoforder"
HeaderText="Date of order" SortExpression="Dateoforder" />
            <asp:BoundField DataField="Dateofdue"
HeaderText="Date of due" SortExpression="Dateofdue" />
                <asp:BoundField DataField="Invoicetable.Invyear"
HeaderText="Invoice year" SortExpression="Invoicetable.Invyear"
/>
                    <asp:BoundField
DataField="Invoicetable.Invoicenumber" HeaderText="Invoice
number"
SortExpression="Invoicetable.Invoicenumber"
/>
            <asp:BoundField DataField="Custname"
HeaderText="Customer name" SortExpression="Custname" />

```

```

        <asp:BoundField DataField="Salesname"
HeaderText="Salesperson name" SortExpression="Salesname" />
            <asp:BoundField DataField="Productname"
HeaderText="Product name" SortExpression="Productname" />
                <asp:BoundField DataField="Product.Price"
HeaderText="Price" SortExpression="Product.Price" />
                    <asp:BoundField DataField="Discounts"
HeaderText="Discounts" SortExpression="Discounts" />
                        <asp:BoundField DataField="Quantity"
HeaderText="Quantity" SortExpression="Quantity" />
                            <asp:BoundField DataField="Total"
HeaderText="Total" SortExpression="Total" />
                                <asp:BoundField DataField="Status"
HeaderText="Status" SortExpression="Status" />
                            </Columns>
                        </asp:GridView>

                    </div>
                    <asp:GridView ID="Customerview" runat="server"
AutoGenerateColumns="False" DataSourceID="Customer">
                        <Columns>
                            <asp:BoundField DataField="Dateoforder"
HeaderText="Date of order" SortExpression="Dateoforder" />
                                <asp:BoundField DataField="Dateofdue"
HeaderText="Date of due" SortExpression="Dateofdue" />
                                    <asp:BoundField DataField="Invoicetable.Invyear"
HeaderText="Invoice year"
                                        SortExpression="Invoicetable.Invyear" />
                                        <asp:BoundField
DataField="Invoicetable.Invoicenumber" HeaderText="Invoice
number"
                                            SortExpression="Invoicetable.Invoicenumber"
/>
                            <asp:BoundField DataField="Custname"
HeaderText="Customer name" SortExpression="Custname" />
                                <asp:BoundField DataField="Salesname"
HeaderText="Salesperson name" SortExpression="Salesname" />
                                    <asp:BoundField DataField="Productname"
HeaderText="Product name" SortExpression="Productname" />
                                        <asp:BoundField DataField="Product.Price"
HeaderText="Price" SortExpression="Product.Price" />
                                            <asp:BoundField DataField="Discounts"
HeaderText="Discounts" SortExpression="Discounts" />
                                                <asp:BoundField DataField="Quantity"
HeaderText="Quantity" SortExpression="Quantity" />
                                                    <asp:BoundField DataField="Total"
HeaderText="Total" SortExpression="Total" />

```

```

        <asp:BoundField DataField="Status"
HeaderText="Status" SortExpression="Status" />
    </Columns>
</asp:GridView>
<asp:GridView ID="Productview" runat="server"
AutoGenerateColumns="False" DataSourceID="Product"
Height="476px" Width="1133px">
    <Columns>
        <asp:BoundField DataField="Dateoforder"
HeaderText="Date of order" SortExpression="Dateoforder" />
        <asp:BoundField DataField="Dateofdue"
HeaderText="Date of due" SortExpression="Dateofdue" />
        <asp:BoundField DataField="Invoicetable.Invyear"
HeaderText="Invoice year"
            SortExpression="Invoicetable.Invyear" />
        <asp:BoundField
DataField="Invoicetable.Invoicenumber" HeaderText="Invoice
number"
            SortExpression="Invoicetable.Invoicenumber"
/>
        <asp:BoundField DataField="Custname"
HeaderText="Customer name" SortExpression="Custname" />
        <asp:BoundField DataField="Salesname"
HeaderText="Salesperson name" SortExpression="Salesname" />
        <asp:BoundField DataField="Productname"
HeaderText="Product name" SortExpression="Productname" />
        <asp:BoundField DataField="Product.Price"
HeaderText="Price" SortExpression="Product.Price" />
        <asp:BoundField DataField="Discounts"
HeaderText="Discounts" SortExpression="Discounts" />
        <asp:BoundField DataField="Quantity"
HeaderText="Quantity" SortExpression="Quantity" />
        <asp:BoundField DataField="Total"
HeaderText="Total" SortExpression="Total" />
        <asp:BoundField DataField="Status"
HeaderText="Status" SortExpression="Status" />
    </Columns>
</asp:GridView>
<asp:GridView ID="Invview" runat="server"
AutoGenerateColumns="False" DataSourceID="Inv">
    <Columns>
        <asp:BoundField DataField="Dateoforder"
HeaderText="Date of order" SortExpression="Dateoforder" />
        <asp:BoundField DataField="Dateofdue"
HeaderText="Date of due" SortExpression="Dateofdue" />

```

```

        <asp:BoundField DataField="Invoicetable.Invyeard" 
HeaderText="Invoice year" SortExpression="Invoicetable.Invyeard" 
/>
        <asp:BoundField
DataField="Invoicetable.Invoicenumber" HeaderText="Invoice
number"
SortExpression="Invoicetable.Invoicenumber"
/>
        <asp:BoundField DataField="Custname"
HeaderText="Customer name" SortExpression="Custname" />
        <asp:BoundField DataField="Salesname"
HeaderText="Salesperson name" SortExpression="Salesname" />
        <asp:BoundField DataField="Productname"
HeaderText="Product name" SortExpression="Productname" />
        <asp:BoundField DataField="Product.Price"
HeaderText="Price" SortExpression="Product.Price" />
        <asp:BoundField DataField="Discounts"
HeaderText="Discounts" SortExpression="Discounts" />
        <asp:BoundField DataField="Quantity"
HeaderText="Quantity" SortExpression="Quantity" />
        <asp:BoundField DataField="Total"
HeaderText="Total" SortExpression="Total" />
        <asp:BoundField DataField="Status"
HeaderText="Status" SortExpression="Status" />
    </Columns>
</asp:GridView>
<br />
<asp:AccessDataSource ID="Dateoforder" runat="server"
DataFile="~/CS database.mdb"
SelectCommand="SELECT Invoicetable.*, Product.*,
Producttransaction.*, Customertable.*, Invoicedata.*,
Salesperson.*, Invoicetable.Dateoforder AS Expr1 FROM (((Product
INNER JOIN (Invoicetable INNER JOIN Producttransaction ON
Invoicetable.Invoicenumber = Producttransaction.Invoicenumber
AND Invoicetable.Invyeard = Producttransaction.Invyeard) ON
Product.ProductID = Producttransaction.ProductID) INNER JOIN
(Salesperson INNER JOIN Invoicedata ON Salesperson.SalespersonID
= Invoicedata.SalespersonID) ON Producttransaction.Invyeard =
Invoicedata.Invyeard AND Producttransaction.Invoicenumber =
Invoicedata.InvoiceID) INNER JOIN Customertable ON
Invoicedata.CustomerID = Customertable.CustID) WHERE
(Invoicetable.Dateoforder = ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="Calendar1"
Name="?" PropertyName="SelectedDate" />
    </SelectParameters>
</asp:AccessDataSource>
```

```

<asp:AccessDataSource ID="Dateofdue" runat="server"
DataFile="~/CS database.mdb"
    SelectCommand="SELECT Invoicetable.*, Product.*,
Producttransaction.*, Customertable.*, Invoicedata.*,
Salesperson.*, Invoicetable.Dateoforder AS Expr1 FROM (((Product
INNER JOIN (Invoicetable INNER JOIN Producttransaction ON
Invoicetable.Invoicenumber = Producttransaction.Invoicenumber
AND Invoicetable.Invyear = Producttransaction.Invyear) ON
Product.ProductID = Producttransaction.ProductID) INNER JOIN
(Salesperson INNER JOIN Invoicedata ON Salesperson.SalespersonID
= Invoicedata.SalespersonID) ON Producttransaction.Invyear =
Invoicedata.Invyear AND Producttransaction.Invoicenumber =
Invoicedata.InvoiceID) INNER JOIN Customertable ON
Invoicedata.CustomerID = Customertable.CustID) WHERE
(Invoicetable.Dateofdue = ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="Calendar2"
Name="?" PropertyName="SelectedDate" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="Invoicestatus" runat="server"
DataFile="~/CS database.mdb"
    SelectCommand="SELECT Invoicetable.*, Product.*,
Producttransaction.*, Customertable.*, Invoicedata.*,
Salesperson.*, Invoicetable.Dateoforder AS Expr1 FROM (((Product
INNER JOIN (Invoicetable INNER JOIN Producttransaction ON
Invoicetable.Invoicenumber = Producttransaction.Invoicenumber
AND Invoicetable.Invyear = Producttransaction.Invyear) ON
Product.ProductID = Producttransaction.ProductID) INNER JOIN
(Salesperson INNER JOIN Invoicedata ON Salesperson.SalespersonID
= Invoicedata.SalespersonID) ON Producttransaction.Invyear =
Invoicedata.Invyear AND Producttransaction.Invoicenumber =
Invoicedata.InvoiceID) INNER JOIN Customertable ON
Invoicedata.CustomerID = Customertable.CustID) WHERE
(Invoicetable.Status = ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="DropDownList1"
Name="?" PropertyName="SelectedValue" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="Sales" runat="server"
DataFile="~/CS database.mdb" SelectCommand="SELECT
Invoicetable.*, Product.*, Producttransaction.*,
Customertable.*, Invoicedata.*, Salesperson.*,
Invoicetable.Dateoforder AS Expr1 FROM (((Product INNER JOIN
(Invoicetable INNER JOIN Producttransaction ON
Invoicetable.Invoicenumber = Producttransaction.Invoicenumber

```

```

AND Invoicetable.Invyea = Producttransaction.Invyea) ON
Product.ProductID = Producttransaction.ProductID) INNER JOIN
(Salesperson INNER JOIN Invoicedata ON Salesperson.SalespersonID
= Invoicedata.SalespersonID) ON Producttransaction.Invyea =
Invoicedata.Invyea AND Producttransaction.Invoicenumber =
Invoicedata.InvoiceID) INNER JOIN Customertable ON
Invoicedata.CustomerID = Customertable.CustID) WHERE
(Salesperson.SalespersonID= ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="TextBox1"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="Customer" runat="server"
DataFile="~/CS database.mdb" SelectCommand="SELECT
Invoicetable.*, Product.*, Producttransaction.*,
Customertable.*, Invoicedata.*, Salesperson.*,
Invoicetable.Dateoforder AS Expr1 FROM (((Product INNER JOIN
(Invoicetable INNER JOIN Producttransaction ON
Invoicetable.Invoicenumber = Producttransaction.Invoicenumber
AND Invoicetable.Invyea = Producttransaction.Invyea) ON
Product.ProductID = Producttransaction.ProductID) INNER JOIN
(Salesperson INNER JOIN Invoicedata ON Salesperson.SalespersonID
= Invoicedata.SalespersonID) ON Producttransaction.Invyea =
Invoicedata.Invyea AND Producttransaction.Invoicenumber =
Invoicedata.InvoiceID) INNER JOIN Customertable ON
Invoicedata.CustomerID = Customertable.CustID) WHERE
(Customertable.CustID= ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="TextBox2"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="Product" runat="server"
DataFile="~/CS database.mdb" SelectCommand="SELECT
Invoicetable.*, Product.*, Producttransaction.*,
Customertable.*, Invoicedata.*, Salesperson.*,
Invoicetable.Dateoforder AS Expr1 FROM (((Product INNER JOIN
(Invoicetable INNER JOIN Producttransaction ON
Invoicetable.Invoicenumber = Producttransaction.Invoicenumber
AND Invoicetable.Invyea = Producttransaction.Invyea) ON
Product.ProductID = Producttransaction.ProductID) INNER JOIN
(Salesperson INNER JOIN Invoicedata ON Salesperson.SalespersonID
= Invoicedata.SalespersonID) ON Producttransaction.Invyea =
Invoicedata.Invyea AND Producttransaction.Invoicenumber =
Invoicedata.InvoiceID) INNER JOIN Customertable ON

```

```

Invoicedata.CustomerID = Customertable.CustID) WHERE
(Product.ProductID = ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="TextBox3"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="Inv" runat="server"
DataFile="~/CS database.mdb" SelectCommand="SELECT
Invoicetable.*, Product.*, Producttransaction.*,
Customertable.*, Invoicedata.*, Salesperson.*,
Invoicetable.Dateoforder AS Expr1 FROM (((Product INNER JOIN
(Invoicetable INNER JOIN Producttransaction ON
Invoicetable.Invoicenumber = Producttransaction.Invoicenumber
AND Invoicetable.Invyear = Producttransaction.Invyear) ON
Product.ProductID = Producttransaction.ProductID) INNER JOIN
(Salesperson INNER JOIN Invoicedata ON Salesperson.SalespersonID
= Invoicedata.SalespersonID) ON Producttransaction.Invyear =
Invoicedata.Invyear AND Producttransaction.Invoicenumber =
Invoicedata.InvoiceID) INNER JOIN Customertable ON
Invoicedata.CustomerID = Customertable.CustID) WHERE
(Producttransaction.Invyear = ?) AND
(Producttransaction.Invoicenumber=?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="TextBox4"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="TextBox5"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="Filter" runat="server"
DataFile="~/CS database.mdb" DataSourceMode="DataReader"
SelectCommand="SELECT Invoicetable.Dateoforder,
Invoicetable.Dateofdue, Salesperson.Salesname,
Customertable.Custname, Product.Productname,
Producttransaction.Invyear, Producttransaction.Invoicenumber,
Producttransaction.Price, Producttransaction.Discount,
Producttransaction.Quantity, Producttransaction.Total,
Salesperson.SalespersonID, Customertable.CustID,
Product.ProductID, Producttransaction.Invyear AS Expr1,
Producttransaction.Invoicenumber AS Expr2 FROM
(Producttransaction INNER JOIN Product ON
Producttransaction.ProductID = Product.ProductID),
((Customertable INNER JOIN Invoicedata ON Customertable.CustID =
Invoicedata.CustomerID) INNER JOIN Salesperson ON
Customertable.SalespersonID = Salesperson.SalespersonID),
Invoicetable WHERE (Invoicetable.Dateoforder = ?) OR

```

```

((Producttransaction.Invyeardate = ?) AND
(Producttransaction.Invoicenumber = ?)) OR
(InvoiceTable.Dateofdue = ?) OR (Salesperson.SalespersonID = ?)
OR (CustomerTable.CustID = ?) OR (Product.ProductID = ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="Calendar1"
Name="?" PropertyName="SelectedDate" />
        <asp:ControlParameter ControlID="TextBox4"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="TextBox5"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="Calendar2"
Name="?" PropertyName="SelectedDate" />
        <asp:ControlParameter ControlID="TextBox1"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="TextBox2"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="TextBox3"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="AccessDataSource1"
runat="server" DataFile="~/CS database.mdb"
    SelectCommand="SELECT InvoiceTable.*,
Producttransaction.*, InvoiceData.*, CustomerTable.*, Product.*,
Salesperson.*, InvoiceTable.Dateoforder AS Expr1,
InvoiceTable.Dateofdue AS Expr2, InvoiceTable.Status AS Expr3,
InvoiceTable.Invyeardate AS Expr4, InvoiceTable.Invoicenumber AS
Expr5, Producttransaction.ProductID AS Expr6,
Producttransaction.Quantity AS Expr7, Producttransaction.Price
AS Expr8, Producttransaction.Discount AS Expr9,
Producttransaction.Total AS Expr10, InvoiceData.CustomerID AS
Expr11, InvoiceData.SalespersonID AS Expr12,
CustomerTable.Custname AS Expr13, Salesperson.Salesname AS
Expr14 FROM (((Producttransaction INNER JOIN Product ON
Producttransaction.ProductID = Product.ProductID) INNER JOIN
InvoiceTable ON Producttransaction.Invyeardate =
InvoiceTable.Invyeardate AND Producttransaction.Invoicenumber =
InvoiceTable.Invoicenumber) INNER JOIN ((CustomerTable INNER
JOIN InvoiceData ON CustomerTable.CustID =
InvoiceData.CustomerID) INNER JOIN Salesperson ON
CustomerTable.SalespersonID = Salesperson.SalespersonID AND
InvoiceData.SalespersonID = Salesperson.SalespersonID) ON
Producttransaction.Invyeardate = InvoiceData.Invyeardate AND
Producttransaction.Invoicenumber = InvoiceData.InvoiceID) WHERE
(InvoiceTable.Dateoforder = ?) OR (InvoiceTable.Dateofdue = ?)
OR (InvoiceTable.Status = ?) OR ((InvoiceTable.Invyeardate = ?) AND

```

```

(Invoicetable.Invoicenumber = ?)) OR
(Producttransaction.ProductID = ?) OR (Invoicedata.CustomerID
= ?) OR (Invoicedata.SalespersonID = ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="Calendar1"
Name="?" PropertyName="SelectedDate" />
        <asp:ControlParameter ControlID="Calendar2"
Name="?" PropertyName="SelectedDate" />
        <asp:ControlParameter ControlID="DropDownList1"
Name="?" PropertyName="SelectedValue" />
        <asp:ControlParameter ControlID="TextBox4"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="TextBox5"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="TextBox3"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="TextBox2"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="TextBox1"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="test" runat="server"
DataFile="~/CS database.mdb" SelectCommand="SELECT
Invoicetable.*, Producttransaction.*, Invoicedata.*,
Customertable.*, Product.*, Salesperson.*,
Invoicetable.Dateoforder AS Expr1, Invoicetable.Dateofdue AS
Expr2, Invoicetable.Status AS Expr3, Invoicetable.Invyear AS
Expr4, Invoicetable.Invoicenumber AS Expr5,
Producttransaction.ProductID AS Expr6,
Producttransaction.Quantity AS Expr7, Producttransaction.Price
AS Expr8, Producttransaction.Discount AS Expr9,
Producttransaction.Total AS Expr10, Invoicedata.CustomerID AS
Expr11, Invoicedata.SalespersonID AS Expr12,
Customertable.Custname AS Expr13, Salesperson.Salesname AS
Expr14 FROM (((Producttransaction INNER JOIN Product ON
Producttransaction.ProductID = Product.ProductID) INNER JOIN
Invoicetable ON Producttransaction.Invyear =
Invoicetable.Invyear AND Producttransaction.Invoicenumber =
Invoicetable.Invoicenumber) INNER JOIN ((Customertable INNER
JOIN Invoicedata ON Customertable.CustID =
Invoicedata.CustomerID) INNER JOIN Salesperson ON
Customertable.SalespersonID = Salesperson.SalespersonID AND
Invoicedata.SalespersonID = Salesperson.SalespersonID) ON
Producttransaction.Invyear = Invoicedata.Invyear AND
Producttransaction.Invoicenumber = Invoicedata.InvoiceID) WHERE

```

```

        (Invoicetable.Invyeart = ?) AND (Invoicetable.Invoicenumber
        = ?)">
            <SelectParameters>
                <asp:ControlParameter ControlID="TextBox4"
Name="?" PropertyName="Text" />
                <asp:ControlParameter ControlID="TextBox5"
Name="?" PropertyName="Text" />
            </SelectParameters>
        </asp:AccessDataSource>
    </form>
</body>
</html>

```

Working Code

```

Partial Class Search
    Inherits System.Web.UI.Page
    Dim f As Boolean = True
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click
        If TextBox4.Text = "" Or TextBox5.Text = "" Then
            f = False
            MsgBox("Please enter filter criteria")
        End If
        If f = True Then
            Invview.DataBind()
            Calendar1.Enabled = False
            Calendar2.Enabled = False
            DropDownList1.Enabled = False
            TextBox1.Enabled = False
            TextBox2.Enabled = False
            TextBox3.Enabled = False
            TextBox4.Enabled = False
            TextBox5.Enabled = False
        End If
    End Sub
    Protected Sub Button2_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button2.Click
        Dateoforderview.DataBind()
        Calendar1.Enabled = False
        Calendar2.Enabled = False
        DropDownList1.Enabled = False
        TextBox1.Enabled = False
        TextBox2.Enabled = False
        TextBox3.Enabled = False
        TextBox4.Enabled = False
        TextBox5.Enabled = False
    End Sub

```

```
End Sub
Protected Sub Button3_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button3.Click
    Dateofdueview.DataBind()
    Calendar1.Enabled = False
    Calendar2.Enabled = False
    DropDownList1.Enabled = False
    TextBox1.Enabled = False
    TextBox2.Enabled = False
    TextBox3.Enabled = False
    TextBox4.Enabled = False
    TextBox5.Enabled = False
End Sub
Protected Sub Button4_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button4.Click
    If DropDownList1.Text = "" Then
        f = False
        MsgBox("Please enter filter criteria")
    End If
    If f = True Then
        Calendar1.Enabled = False
        Calendar2.Enabled = False
        DropDownList1.Enabled = False
        TextBox1.Enabled = False
        TextBox2.Enabled = False
        TextBox3.Enabled = False
        TextBox4.Enabled = False
        TextBox5.Enabled = False
    End If
End Sub
Protected Sub Button5_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button5.Click
    If TextBox1.Text = "" Then
        f = False
        MsgBox("Please enter filter criteria")
    End If
    If f = True Then
        Salesview.DataBind()
        Calendar1.Enabled = False
        Calendar2.Enabled = False
        DropDownList1.Enabled = False
        TextBox1.Enabled = False
        TextBox2.Enabled = False
        TextBox3.Enabled = False
        TextBox4.Enabled = False
        TextBox5.Enabled = False
    End If
```

```
End Sub
Protected Sub Button6_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button6.Click
    If TextBox2.Text = "" Then
        f = False
        MsgBox("Please enter filter criteria")
    End If
    If f = True Then
        Customerview.DataBind()
        Calendar1.Enabled = False
        Calendar2.Enabled = False
        DropDownList1.Enabled = False
        TextBox1.Enabled = False
        TextBox2.Enabled = False
        TextBox3.Enabled = False
        TextBox4.Enabled = False
        TextBox5.Enabled = False
    End If
End Sub
Protected Sub Button7_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button7.Click
    If TextBox3.Text = "" Then
        f = False
        MsgBox("Please enter filter criteria")
    End If
    If f = True Then
        Productview.DataBind()
        Calendar1.Enabled = False
        Calendar2.Enabled = False
        DropDownList1.Enabled = False
        TextBox1.Enabled = False
        TextBox2.Enabled = False
        TextBox3.Enabled = False
        TextBox4.Enabled = False
        TextBox5.Enabled = False
    End If
End Sub
Protected Sub Button8_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button8.Click
    Response.Redirect("Search.aspx")
End Sub
Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
    Label1.Text = Session("loginname")
End Sub
End Class
```

2.12 Change Invoice Status Page Code

Source ("Design") Code

```
<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Updateinvoicestatus.aspx.vb"
Inherits="Updateinvoicestatus" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="Button3" runat="server"
PostBackUrl("~/Main menu.aspx" Text="Main menu" />
            <asp:Button ID="Button4" runat="server"
PostBackUrl "~/Invoice.aspx" Text="Invoice" /><br />
            Hello, Welcome
            <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>!&nbsp;<br />
            <table>
                <tr>
                    <td style="width: 10139px">
                        Invoice year</td>
                    <td style="width: 100px">
                        <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox></td>
                    <td style="width: 100px">
                        </td>
                </tr>
                <tr>
                    <td style="width: 10139px">
                        Invoice no.</td>
                    <td style="width: 100px">
                        <asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox></td>
                    <td style="width: 100px">
                        <asp:Button ID="Button1" runat="server"
Text="Search" /></td>
                </tr>
                <tr>
                    <td style="width: 10139px">
                        </td>
                </tr>
            </table>
        </div>
    </form>
</body>
</html>
```

```

        <td style="width: 100px">
            <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" DataSourceID="AccessDataSource1">
                <Columns>
                    <asp:BoundField
DataField="Producttransaction.Invyear" HeaderText="Invyear"
SortExpression="Producttransaction.Invyear" />
                    <asp:BoundField
DataField="Producttransaction.Invoicenumber"
HeaderText="Invoicenumber"

SortExpression="Producttransaction.Invoicenumber" />
                    <asp:BoundField DataField="Custname"
HeaderText="Custname" SortExpression="Custname" />
                    <asp:BoundField
DataField="Salesname" HeaderText="Salesname"
SortExpression="Salesname" />
                    <asp:BoundField
DataField="Productname" HeaderText="Productname"
SortExpression="Productname" />
                    <asp:BoundField
DataField="Product.Price" HeaderText="Price"
SortExpression="Product.Price" />
                    <asp:BoundField
DataField="Discounts" HeaderText="Discounts"
SortExpression="Discounts" />
                    <asp:BoundField DataField="Total"
HeaderText="Total" SortExpression="Total" />
                    <asp:BoundField DataField="Status"
HeaderText="Status" SortExpression="Status" />
                    <asp:BoundField
DataField="Dateofdue" HeaderText="Dateofdue"
SortExpression="Dateofdue" />
                </Columns>
            </asp:GridView>
        </td>
        <td style="width: 100px">
        </td>
    </tr>
    <tr>
        <td style="width: 10139px">
            Invoice status</td>
        <td style="width: 100px">
            <asp:DropDownList ID="DropDownList1"
runat="server">
                <asp:ListItem></asp:ListItem>
                <asp:ListItem>Paid</asp:ListItem>

```

```

                <asp:ListItem>Not paid</asp:ListItem>
            </asp:DropDownList>
            <asp:Button ID="Button2" runat="server"
Text="Update" /></td>
        <td style="width: 100px">
        </td>
    </tr>
</table>

</div>
<asp:AccessDataSource ID="AccessDataSource1"
runat="server" DataFile="~/CS database.mdb"
DataSourceMode="DataReader"
SelectCommand="SELECT Customertable.*,
Invoicedata.* , Salesperson.* , Product.* , Producttransaction.* ,
Invoicetable.* , Invoicetable.Invyear AS Expr1 ,
Invoicetable.Invoicenumber AS Expr2 FROM ((Producttransaction
INNER JOIN Product ON Producttransaction.ProductID =
Product.ProductID) INNER JOIN Invoicetable ON
Producttransaction.Invyear = Invoicetable.Invyear AND
Producttransaction.Invoicenumber = Invoicetable.Invoicenumber)
INNER JOIN ((Customertable INNER JOIN Invoicedata ON
Customertable.CustID = Invoicedata.CustomerID) INNER JOIN
Salesperson ON Invoicedata.SalespersonID =
Salesperson.SalespersonID) ON Producttransaction.Invyear =
Invoicedata.Invyear AND Producttransaction.Invoicenumber =
Invoicedata.InvoiceID) WHERE (Invoicetable.Invyear = ?) AND
(Invoicetable.Invoicenumber = ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="TextBox1"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="TextBox2"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="Updateinv" runat="server"
DataSourceMode="DataReader" DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM [Invoicetable]"
UpdateCommand="update Invoicetable set Status=@Status
where Invyear=@Invyear and Invoicenumber=@Invoicenumber"
>

<UpdateParameters>

    <asp:Parameter Name="Status" DefaultValue="" />

```

```

        <asp:ControlParameter ControlID="Textbox1"
PropertyName="Text" Name="Invyear" DefaultValue="" />
        <asp:ControlParameter ControlID="Textbox2"
PropertyName="Text" Name="Invoicenumber" DefaultValue="" />
    </UpdateParameters>

    </asp:AccessDataSource>
</form>
</body>
</html>

```

Working Code

```

Partial Class Updateinvoicestatus
    Inherits System.Web.UI.Page
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
        Label1.Text = Session("loginname")
    End Sub
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click
        Dim f As Boolean = False
        If TextBox1.Text = "" Or TextBox2.Text = "" Then
            MsgBox("Please enter the invoice year and number")
        Else
            Dim x As Data.IDataReader =
CType(Updateinv.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
            While x.Read()
                If TextBox1.Text = x("Invyear") And
TextBox2.Text = x("Invoicenumber") Then
                    f = True
                    GridView1.DataBind()
                End If
            End While
            If f = False Then
                MsgBox("Please enter correct invoice year and
number") 'valid invoice year and number
            End If
        End If
    End Sub
    Protected Sub Button2_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button2.Click
        If DropDownList1.Text = "" Then
            MsgBox("Please enter invoice status")
        Else

```

```

        Dim x As Data.IDataReader =
CType(Updateinv.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        While x.Read()
            If TextBox1.Text = x("Invyear") And
TextBox2.Text = x("Invoicenumber") Then

Updateinv.UpdateParameters("Status").DefaultValue =
DropDownList1.Text
                Updateinv.Update()
                MsgBox("Data successfully updated")

Response.Redirect("Updateinvoicestatus.aspx")
            End If
        End While
        x.Close()
    End If
End Sub
End Class

```

2.13 Report Page Code

Source (“Design”) Code

```

<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Report.aspx.vb" Inherits="Profitandloss" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="Button3" runat="server"
PostBackUrl("~/Main menu.aspx" Text="Main menu" /><br />
            <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label><br />
            Hello, Welcome
            <asp:Label ID="Label3" runat="server"
Text="Label"></asp:Label>!<br />
            Transaction tracking<br />
            <asp:Button ID="Button1" runat="server" Text="Daily
report" />
        </div>
    </form>
</body>
</html>

```

```

        <asp:Button ID="Button2" runat="server" Text="Monthly
report" />
        <asp:Button ID="Button6" runat="server" Text="Invoices
due today" />
        <asp:Panel ID="Panel1" runat="server" Visible="False">
            <table>
                <tr>
                    <td style="width: 892px">
                        Daily
                        Transactions</td>
                </tr>
                <tr>
                    <td style="width: 892px">
                        <asp:GridView ID="GridView1"
runat="server" AutoGenerateColumns="False"
DataSourceID="DailyTransaction">
                            <Columns>
                                <asp:BoundField
DataField="Dateoforder" HeaderText="Date of order"
SortExpression="Dateoforder" />
                                <asp:BoundField
DataField="Invyear" HeaderText="Invoice year"
SortExpression="Invyear" />
                                <asp:BoundField
DataField="Invoicenumber" HeaderText="Invoice number"
SortExpression="Invoicenumber" />
                                <asp:BoundField
DataField="ProductID" HeaderText="Product ID"
SortExpression="ProductID" />
                                <asp:BoundField
DataField="Quantity" HeaderText="Quantity"
SortExpression="Quantity" />
                                <asp:BoundField
DataField="Price" HeaderText="Price" SortExpression="Price" />
                                <asp:BoundField
DataField="Discount" HeaderText="Discount"
SortExpression="Discount" />
                                <asp:BoundField
DataField="Total" HeaderText="Total" SortExpression="Total" />
                                <asp:BoundField
DataField="Status" HeaderText="Status" SortExpression="Status"
/>
                            </Columns>
                        </asp:GridView>
                    </td>
                </tr>
                <tr>

```

```

        <td style="width: 892px">
            Daily Stock Purchases</td>
        </tr>
        <tr>
            <td style="width: 892px">
                <asp:GridView ID="GridView2"
runat="server" AutoGenerateColumns="False"
DataSourceID="Dailystockpurchase">
                    <Columns>
                        <asp:BoundField
DataField="Dateofpurchase" HeaderText="Date of purchase"
SortExpression="Dateofpurchase" />
                        <asp:BoundField
DataField="ProductID" HeaderText="Product ID"
SortExpression="ProductID" />
                        <asp:BoundField
DataField="Purchaseprice" HeaderText="Purchase price"
SortExpression="Purchaseprice" />
                        <asp:BoundField
DataField="Purchaseqtty" HeaderText="Purchase quantity"
SortExpression="Purchaseqtty" />
                        <asp:BoundField
DataField="Totalpurchase" HeaderText="Total purchase"
SortExpression="Totalpurchase" />
                    </Columns>
                </asp:GridView>
            </td>
        </tr>
    </table>
</asp:Panel>
<asp:Panel ID="Panel12" runat="server" Visible="False"
Height="596px" Width="1101px">
    <table>
        <tr>
            <td style="width: 174px">
                From
                <asp:Label ID="Label4" runat="server"
Text="Label"></asp:Label>
                to
                <asp:Label ID="Label5" runat="server"
Text="Label"></asp:Label></td>
            </tr>
            <tr>
                <td style="width: 174px">
                    Monthly
                    Transaction</td>
            </tr>

```

```

<tr>
    <td style="width: 174px">
        <asp:GridView ID="GridView3"
runat="server" AutoGenerateColumns="False"
DataSourceID="Monthlytransaction">
            <Columns>
                <asp:BoundField
                    DataField="Dateoforder" HeaderText="Date of order"
                    SortExpression="Dateoforder" />
                <asp:BoundField
                    DataField="Invyear" HeaderText="Invoice year"
                    SortExpression="Invyear" />
                <asp:BoundField
                    DataField="Invoicenumber" HeaderText="Invoice number"
                    SortExpression="Invoicenumber" />
                <asp:BoundField
                    DataField="ProductID" HeaderText="Product ID"
                    SortExpression="ProductID" />
                <asp:BoundField
                    DataField="Quantity" HeaderText="Quantity"
                    SortExpression="Quantity" />
                <asp:BoundField
                    DataField="Price" HeaderText="Price" SortExpression="Price" />
                <asp:BoundField
                    DataField="Discount" HeaderText="Discount"
                    SortExpression="Discount" />
                <asp:BoundField
                    DataField="Total" HeaderText="Total" SortExpression="Total" />
                <asp:BoundField
                    DataField="Status" HeaderText="Status" SortExpression="Status"
/>
            </Columns>
        </asp:GridView>
    </td>
</tr>
<tr>
    <td style="width: 174px">
        Monthly
        Stock Purchases</td>
</tr>
<tr>
    <td style="width: 174px">
        <asp:GridView ID="GridView4"
runat="server" AutoGenerateColumns="False"
DataSourceID="Monthlystockpurchase">
            <Columns>

```

```

                <asp:BoundField
DataField="Dateofpurchase" HeaderText="Date of purchase"
SortExpression="Dateofpurchase" />
                <asp:BoundField
DataField="ProductID" HeaderText="Product ID"
SortExpression="ProductID" />
                <asp:BoundField
DataField="Purchaseprice" HeaderText="Purchase price"
SortExpression="Purchaseprice" />
                <asp:BoundField
DataField="Purchaseqqty" HeaderText="Purchase quantity"
SortExpression="Purchaseqqty" />
                <asp:BoundField
DataField="Totalpurchase" HeaderText="Total purchase"
SortExpression="Totalpurchase" />
            </Columns>
        </asp:GridView>
    </td>
</tr>
</table>
</asp:Panel>
<asp:Panel ID="Panel3" runat="server" Visible="False">
    <asp:GridView ID="GridView5" runat="server"
AutoGenerateColumns="False" DataSourceID="Invoicesduetoday">
        <Columns>
            <asp:BoundField DataField="Dateoforder"
HeaderText="Date of order" SortExpression="Dateoforder" />
            <asp:BoundField DataField="Dateofdue"
HeaderText="Date of due" SortExpression="Dateofdue" />
            <asp:BoundField
DataField="Invoicetable.Invyear" HeaderText="Invoice year"
SortExpression="Invoicetable.Invyear" />
            <asp:BoundField
DataField="Invoicetable.Invoicenumber" HeaderText="Invoice
number"

SortExpression="Invoicetable.Invoicenumber" />
            <asp:BoundField DataField="ProductID"
HeaderText="Product ID" SortExpression="ProductID" />
            <asp:BoundField DataField="Quantity"
HeaderText="Quantity" SortExpression="Quantity" />
            <asp:BoundField DataField="Price"
HeaderText="Price" SortExpression="Price" />
            <asp:BoundField DataField="Discount"
HeaderText="Discount" SortExpression="Discount" />
            <asp:BoundField DataField="Total"
HeaderText="Total" SortExpression="Total" />

```

```

        <asp:BoundField DataField="Status"
HeaderText="Status" SortExpression="Status" />
    </Columns>
</asp:GridView>
</asp:Panel>
<asp:AccessDataSource ID="Invoicesduetoday"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT Invoicedata.*, Invoicetable.*,
Producttransaction.*, Invoicedata.Invyeart AS Expr1,
Invoicedata.InvoiceID AS Expr2, Invoicedata.CustomerID AS Expr3,
Invoicedata.SalespersonID AS Expr4, Invoicetable.Dateoforder AS
Expr5, Invoicetable.Dateofdue AS Expr6,
Producttransaction.ProductID AS Expr7,
Producttransaction.Quantity AS Expr8, Producttransaction.Price
AS Expr9, Producttransaction.Discount AS Expr10,
Producttransaction.Total AS Expr11 FROM ((Invoicedata INNER JOIN
Invoicetable ON Invoicedata.Invyeart = Invoicetable.Invyeart AND
Invoicedata.InvoiceID = Invoicetable.Invoicenumber) INNER JOIN
Producttransaction ON Invoicetable.Invyeart =
Producttransaction.Invyeart AND Invoicetable.Invoicenumber =
Producttransaction.Invoicenumber) WHERE (Invoicetable.Dateofdue
= ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="Label1"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<br />
<asp:AccessDataSource ID="Dailystockpurchase"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT Dateofpurchase, ProductID,
Purchaseprice, Purchaseqty, Totalpurchase FROM Stocks WHERE
(Dateofpurchase = ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="Label1"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="DailyTransaction"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT Invoicetable.Dateoforder,
Producttransaction.Invyeart, Producttransaction.Invoicenumber,
Producttransaction.ProductID, Producttransaction.Quantity,
Producttransaction.Price, Producttransaction.Discount,
Producttransaction.Total, Invoicetable.Status FROM (Invoicetable
INNER JOIN Producttransaction ON Invoicetable.Invoicenumber =
Producttransaction.Invoicenumber AND Invoicetable.Invyeart =

```

```

Producttransaction.Invyea) WHERE (Invoicetable.Dateoforder
= ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="Label1"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="Monthlytransaction"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT Invoicetable.Dateoforder,
Producttransaction.Invyea, Producttransaction.Invoicenumber,
Producttransaction.ProductID, Producttransaction.Quantity,
Producttransaction.Price, Producttransaction.Discount,
Producttransaction.Total, Invoicetable.Status FROM (Invoicetable
INNER JOIN Producttransaction ON Invoicetable.Invoicenumber =
Producttransaction.Invoicenumber AND Invoicetable.Invyea =
Producttransaction.Invyea) WHERE
(Invoicetable.Dateoforder >= ?) AND (Invoicetable.Dateoforder
<= ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="Label4"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="Label5"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
<asp:AccessDataSource ID="Monthlystockpurchase"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT Dateofpurchase, ProductID, Purchaseprice,
Purchaseqty, Totalpurchase FROM Stocks WHERE
(Dateofpurchase >= ?) AND (Dateofpurchase <= ?)">
    <SelectParameters>
        <asp:ControlParameter ControlID="Label4"
Name="?" PropertyName="Text" />
        <asp:ControlParameter ControlID="Label5"
Name="?" PropertyName="Text" />
    </SelectParameters>
</asp:AccessDataSource>
 

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

```

Working Code

```

Partial Class Profitandloss
    Inherits System.Web.UI.Page
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
        Label1.Text = Today.Date
        Label3.Text = Session("loginname")
    End Sub
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button1.Click
        Panel1.Visible = True
        Panel2.Visible = False
        Panel3.Visible = False
    End Sub
    Protected Sub Button2_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button2.Click
        Panel1.Visible = False
        Panel2.Visible = True
        Panel3.Visible = False
        Dim d1, d2 As Date
        d1 = New DateTime(Today.Date.Year, Today.Date.Month, 1)
        'first day of the month
        d2 = d1.AddMonths(1).AddDays(-1) 'last day of the month
        Label4.Text = d1
        Label5.Text = d2
    End Sub
    Protected Sub Button6_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button6.Click
        Panel1.Visible = False
        Panel2.Visible = False
        Panel3.Visible = True
        GridView5.DataBind()
    End Sub
End Class

```

2.14 Commission Page Code

Source ("Design") Code

```

<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Commissions.aspx.vb" Inherits="Monthlyreport" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
<script language="javascript" type="text/javascript">

```



```

        <td style="width: 100px">
            Revenue</td>
        <td style="width: 100px">
        </td>
    </tr>
    <tr>
        <td style="width: 170px; height: 119px">
            <asp:ListBox ID="ListBox1" runat="server"
Rows="5" Width="200px"></asp:ListBox></td>
        <td style="width: 100px; height: 119px">
            <asp:ListBox ID="ListBox2" runat="server"
Rows="5" Width="200px"></asp:ListBox></td>
        <td style="width: 100px; height: 119px">
        </td>
    </tr>
</table>
<br />
<asp:AccessDataSource ID="ReadsalesID" runat="server"
DataFile="~/CS database.mdb"
    DataSourceMode="DataReader" SelectCommand="SELECT * 
FROM [Salesperson] ORDER BY [SalespersonID]">
</asp:AccessDataSource>
<asp:AccessDataSource ID="Readinvoicetable"
runat="server" DataFile="~/CS database.mdb"
    DataSourceMode="DataReader" SelectCommand="SELECT * 
FROM [Invoicetable]"></asp:AccessDataSource>
<asp:AccessDataSource ID="Readinvoicedata"
runat="server" DataFile="~/CS database.mdb"
    DataSourceMode="DataReader" SelectCommand="SELECT * 
FROM [Invoicedata]"></asp:AccessDataSource>
<asp:AccessDataSource ID="Readproducttransaction"
runat="server" DataFile="~/CS database.mdb"
    DataSourceMode="DataReader" SelectCommand="SELECT * 
FROM [Producttransaction]"></asp:AccessDataSource>
<asp:AccessDataSource ID="Insertcommission"
runat="server" DataFile="~/CS database.mdb"
SelectCommand="SELECT * FROM [Commission]"
    InsertCommand = "insert into Commission (SalesID,
Commission, Received) values (@SalesID, @Commission, @Received)"
    >

    <InsertParameters>
        <asp:Parameter Name= "SalesID"
DefaultValue = "" />
        <asp:Parameter Name = "Commission"
DefaultValue ="" />

```

```

                <asp:Parameter Name= "Received"
DefaultValue = "" />

                </InsertParameters>

            </asp:AccessDataSource>
<asp:AccessDataSource ID="Readcommission" runat="server"
DataFile="~/CS database.mdb"
        DataSourceMode="DataReader" SelectCommand="SELECT *
FROM [Commission]"></asp:AccessDataSource>
</asp:Panel>
<asp:Panel ID="Panel2" runat="server" Height="341px"
Visible="False" Width="1078px">
    Top 5 Products<br />
    <table>
        <tr>
            <td style="width: 170px">
                From:<asp:Calendar ID="Calendar3"
runat="server"></asp:Calendar>
            </td>
            <td style="width: 100px">
                To:<asp:Calendar ID="Calendar4"
runat="server"></asp:Calendar>
            </td>
            <td style="width: 100px">
                <asp:Button ID="Button8" runat="server"
Text="OK" /></td>
            </tr>
            <tr>
                <td style="width: 170px">
                    Product name</td>
                <td style="width: 100px">
                    Revenue</td>
                <td style="width: 100px">
                    </td>
            </tr>
            <tr>
                <td style="width: 170px; height: 119px">
                    <asp:ListBox ID="ListBox3"
runat="server" Rows="5" Width="200px"></asp:ListBox></td>
                <td style="width: 100px; height: 119px">

```

```

                <asp:ListBox ID="ListBox4"
runat="server" Rows="5" Width="200px"></asp:ListBox></td>
                <td style="width: 100px; height: 119px">
                </td>
            </tr>
        </table>
        <asp:AccessDataSource ID="Readinvtable"
runat="server" DataFile="~/CS database.mdb"
            DataSourceMode="DataReader"
SelectCommand="SELECT * FROM
[Invoicetable]"></asp:AccessDataSource>
        <asp:AccessDataSource ID="Readproductid"
runat="server" DataFile="~/CS database.mdb"
            DataSourceMode="DataReader"
SelectCommand="SELECT * FROM [Product] ORDER BY [ProductID]">
        </asp:AccessDataSource>
        <asp:AccessDataSource ID="Readprodtransaction"
runat="server" DataFile="~/CS database.mdb"
            DataSourceMode="DataReader"
SelectCommand="SELECT * FROM
[Producttransaction]"></asp:AccessDataSource>
        <asp:AccessDataSource ID="updateinvoicestatus"
runat="server" DataFile="~/CS database.mdb"
            SelectCommand="SELECT * FROM [Invoicedata]"
            UpdateCommand="update Invoicedata
                set
Commissionstatus=@Commissionstatus where
SalespersonID=@SalespersonID"
            >
            <UpdateParameters >
                <asp:Parameter Name="Commissionstatus"
DefaultValue= ""/>
                <asp:ControlParameter Name="SalespersonID"
DefaultValue="" ControlID="dropdownlist1" PropertyName="text" />
            </UpdateParameters>

                </asp:AccessDataSource>
        </asp:Panel>
<asp:Panel ID="Panel3" runat="server" Visible="False">
Salesperson Commission<br />
<table>
    <tr>

```

```

        <td style="width: 279px">
            Salesperson ID:<asp:DropDownList
ID="DropDownList1" runat="server" DataSourceID="ReadsalesID"
                DataTextField="SalespersonID"
                DataValueField="SalespersonID">
            </asp:DropDownList>
            <asp:Button ID="Button1" runat="server"
Text="Search" /></td>
        <td style="width: 202px">
            Salesperson name:<asp:TextBox ID="TextBox4"
runat="server" ReadOnly="True"></asp:TextBox></td>
        <td style="width: 100px">
        </td>
        <td style="width: 100px">
        </td>
    </tr>
    <tr>
        <td style="width: 279px">
            Revenue:<br />
            <asp:TextBox ID="TextBox2" runat="server"
ReadOnly="True"></asp:TextBox></td>
        <td style="width: 202px">
            Percentage:<asp:TextBox ID="TextBox1"
runat="server" ReadOnly="True"></asp:TextBox></td>
        <td style="width: 100px">
            Commission:<asp:TextBox ID="TextBox3"
runat="server" ReadOnly="True"></asp:TextBox></td>
        <td style="width: 100px">
            <asp:Button ID="Button3" runat="server"
Text="Calculate" /></td>
        </tr>
        <tr>
            <td style="width: 279px">
            </td>
            <td style="width: 202px">
            </td>
            <td style="width: 100px">
            </td>
            <td style="width: 100px">
                <asp:Button ID="Button2" runat="server"
Text="Pay" /></td>
            </tr>
        </table>
        <br />
    </asp:Panel>
<br />
<br />

```

```

<br />
<br />
  &nbsp; &nbsp; &nbsp;
<br />

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

```

Working Code

```

Partial Class Monthlyreport
    Inherits System.Web.UI.Page
    Dim InvID1, Invyear1 As Integer
    Dim flag As Boolean
    Function invoicestatus()
        Dim h As Data.IDataReader =
CType(Readcommission.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        While h.Read()
            If InvID1 = h("InvID") And Invyear1 = h("Invyear")
Then
            flag = True
            Exit While
        End If
    End While
    h.Close()
    Return flag
End Function
Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
    Label1.Text = Session("loginname")
End Sub
Protected Sub Button1_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Button1.Click
    Dim revenue As Double
    Dim g As Boolean = False
    Dim salesid As Integer
    Dim c As Data.IDataReader =
CType(Readinvoicedata.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
    While c.Read()
        If c("SalespersonID") = DropDownList1.Text And
c("Commissionstatus") = "No" Then 'check whether there is still
commission left to be paid
            salesid = c("SalespersonID")
    End If
End While
End Sub

```

```

        Dim a As Data.IDataReader =
CType(ReadsalesID.Select(DataSourceSelectArguments.Empty), Data.IDataReader)
        While a.Read()
            If salesid = a("SalespersonID") Then
                TextBox4.Text = a("Salesname")
            End If
        End While
        a.Close()
        g = True
        Dim InvID2, Invyear2 As Integer
        InvID2 = c("InvoiceID")
        Invyear2 = c("Invyear")
        Dim d As Data.IDataReader =
CType(Readproducttransaction.Select(DataSourceSelectArguments.Empty), Data.IDataReader)
        While d.Read()
            If d("Invyear") = Invyear2 And
d("Invoicenumber") = InvID2 Then
                revenue = revenue + d("Total")
            End If
        End While
        d.Close()
    End If
End While
c.Close()
If g = True Then
    TextBox2.Text = revenue
Else
    Dim p As Data.IDataReader =
CType(ReadsalesID.Select(DataSourceSelectArguments.Empty), Data.IDataReader)
    While p.Read()
        If p("SalespersonID") = DropDownList1.Text Then
            TextBox4.Text = p("Salesname")
        End If
    End While
    p.Close()
    TextBox2.Text = 0
    MsgBox("The selected salesperson does not have any
revenue")
    End If
End Sub
Protected Sub Button3_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button3.Click
    'The percentages are agreed by the users
    If Val(TextBox2.Text) <= 2000000000 Then

```

```

        TextBox1.Text = 0.2
    ElseIf Val(TextBox2.Text) >= 2000000001 And
Val(TextBox2.Text) <= 5000000000 Then
        TextBox1.Text = 0.5
    ElseIf Val(TextBox2.Text) >= 5000000001 And
Val(TextBox2.Text) <= 8000000000 Then
        TextBox1.Text = 0.8
    ElseIf Val(TextBox2.Text) >= 8000000001 And
Val(TextBox2.Text) <= 11000000000 Then
        TextBox1.Text = 1.1
    ElseIf Val(TextBox2.Text) >= 11000000001 Then
        TextBox1.Text = 1.5
    End If
    TextBox3.Text = Val(TextBox2.Text) *
((Val(TextBox1.Text)) / 100)
End Sub
Protected Sub Button2_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button2.Click
If TextBox2.Text > 0 Then

Insertcommission.InsertParameters("SalesID").DefaultValue =
DropDownList1.Text

Insertcommission.InsertParameters("Commission").DefaultValue =
TextBox3.Text

Insertcommission.InsertParameters("Received").DefaultValue =
Today.Date
Insertcommission.Insert()

updateinvoicestatus.UpdateParameters("Commissionstatus").Default
Value = "Yes"
updateinvoicestatus.Update()
MsgBox("Commission progress saved")
Else
MsgBox("All the salesperson commission has been
paid")
End If
Response.Redirect("Commissions.aspx")
End Sub
Protected Sub Button4_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button4.Click
Dim count, indexid, indexrev As Integer
Dim salesid() As Integer
Dim revenue(), rev As Double
count = 0
indexid = 0

```

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    indexrev = 0
    Dim a As Data.IDataReader =
CType(ReadsalesID.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
    While a.Read()
        count = count + 1
    End While
    a.Close()
    rev = 0
    ReDim salesid(count)
    ReDim revenue(count)
    While indexid <= (count - 1) And indexrev <= (count - 1)
        Dim k As Data.IDataReader =
CType(ReadsalesID.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
            While k.Read()
                salesid(indexid) = k("SalespersonID")
                rev = 0
                Dim c As Data.IDataReader =
CType(Readinvoicedata.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
                    While c.Read()
                        If salesid(indexid) = c("SalespersonID")
Then
                        Dim invyear1, invid1 As Integer
                        invyear1 = c("Invyear")
                        invid1 = c("InvoiceID")
                        Dim b As Data.IDataReader =
CType(Readinvoicetable.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
                            While b.Read()
                                If invyear1 = b("Invyear") And
invid1 = b("Invoicenumber") And b("Dateoforder") >=
Calendar1.SelectedDate And b("Dateoforder") <=
Calendar2.SelectedDate And b("Status") = "Paid" Then
                                    Dim invyear2, invid2 As Integer
                                    invyear2 = invyear1
                                    invid2 = invid1
                                    Dim d As Data.IDataReader =
CType(Readproducttransaction.Select(DataSourceSelectArguments.Em
pty), Data.IDataReader)
                                        While d.Read()
                                            If invyear2 = d("Invyear")
And invid2 = d("Invoicenumber") Then
                                                rev = rev + d("Total")
                                            End If
                                        End While

```

```

                d.Close()
            End If
        End While
        b.Close()
    End If
End While
c.Close()
revenue(indexrev) = rev
indexrev = indexrev + 1
indexid = indexid + 1
End While
k.Close()
End While
Dim i, j, temp As Integer
i = 0
j = 0
For i = 0 To count - 2 'sorting
    For j = i To count - 1
        If revenue(i) < revenue(j) Then
            temp = revenue(j)
            revenue(j) = revenue(i)
            revenue(i) = temp
            temp = salesid(j)
            salesid(j) = salesid(i)
            salesid(i) = temp
        End If
    Next
Next
ListBox2.Items.Clear()
ListBox1.Items.Clear()
For i = 0 To 4
    ListBox2.Items.Add(revenue(i)) 'adding to list boxes
    Dim o As Data.IDataReader =
CType(ReadsalesID.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
    While o.Read()
        If salesid(i) = o("SalespersonID") Then
            ListBox1.Items.Add(o("Salesname"))
        End If
    End While
    o.Close()
Next
End Sub
Protected Sub Button5_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button5.Click
    Panel1.Visible = True 'top 5 salesperson
    Panel2.Visible = False 'top 5 products

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        Panel3.Visible = False 'salesperson commission
    End Sub
    Protected Sub Button6_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button6.Click
        Panel2.Visible = True
        Panel1.Visible = False
        Panel3.Visible = False
    End Sub
    Protected Sub Button8_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button8.Click
        Dim count, indexid, indexrev As Integer
        Dim rev As Double
        count = 0
        indexid = 0
        indexrev = 0
        Dim a As Data.IDataReader =
CType(Readproductid.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
        While a.Read()
            count = count + 1
        End While
        a.Close()
        rev = 0
        Dim product(count, count) As Double
        While indexid <= (count - 1) And indexrev <= (count - 1)
            Dim k As Data.IDataReader =
CType(Readproductid.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
            While k.Read()
                product(indexid, 0) = k("ProductID")
                rev = 0
                Dim b As Data.IDataReader =
CType(Readprodtransaction.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
                While b.Read()
                    If product(indexid, 0) = b("ProductID") Then
                        Dim Invyear1, invid1 As Integer
                        Invyear1 = b("Invyear")
                        invid1 = b("Invoicenumber")
                        Dim c As Data.IDataReader =
CType(Readinvtable.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
                        While c.Read()
                            If Invyear1 = c("Invyear") And
invid1 = c("Invoicenumber") And c("Dateoforder") >=
Calendar3.SelectedDate And c("Dateoforder") <=
Calendar4.SelectedDate Then

```

```

                Dim invyear2, invid2 As Integer
                invyear2 = Invyear1
                invid2 = invid1
                Dim d As Data.IDataReader =
CType(Readprodtransaction.Select(DataSourceSelectArguments.Empty),
), Data.IDataReader)
                While d.Read()
                    If invyear2 = d("Invyear")
And invid2 = d("Invoicenumber") Then
                        rev = rev + d("Total")
                    End If
                End While
                d.Close()
            End If
        End While
        c.Close()
    End If
End While
b.Close()
product(indexid, 1) = rev
indexid = indexid + 1
End While
k.Close()
End While
Dim i, j, temp As Integer
For i = 0 To count - 2
    For j = i To count - 1
        If product(i, 1) < product(j, 1) Then
            temp = product(j, 1)
            product(j, 1) = product(i, 1)
            product(i, 1) = temp
            temp = product(j, 0)
            product(j, 0) = product(i, 0)
            product(i, 0) = temp
        End If
    Next
Next
ListBox3.Items.Clear()
ListBox4.Items.Clear()
For i = 0 To 4 'to use this loop, must have at least 5
products
    ListBox4.Items.Add(product(i, 1))
    Dim o As Data.IDataReader =
CType(Readproductid.Select(DataSourceSelectArguments.Empty),
Data.IDataReader)
    While o.Read()
        If product(i, 0) = o("ProductID") Then

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```
        ListBox3.Items.Add(o("Productname"))
    End If
End While
o.Close()
Next
End Sub
Protected Sub Button7_Click(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Button7.Click
    Panel1.Visible = False
    Panel2.Visible = False
    Panel3.Visible = True
End Sub
End Class
```