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Lab no 07

Internet Application Development

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[illegible]


```

Dim myConn As New SqlConnection(myConnectionStr)
Dim myComm As New SqlCommand(insertComm, myConn)

myComm.Parameters.AddWithValue("@CUSTOMER_Id", CustID)
myComm.Parameters.AddWithValue("@Customer_Name", CustomerNameTextBox.Text)
myComm.Parameters.AddWithValue("@Customer_Address ", CustomerAddressTextBox.Text)
myComm.Parameters.AddWithValue("@Customer_City ", CustomerCityTextBox.Text)
myComm.Parameters.AddWithValue("@Customer_State", CustomerSateTextBox.Text)
myComm.Parameters.AddWithValue("@Postal_Code ", CustomerPostalCodeTextBox.Text)
myComm.Parameters.AddWithValue("@username", UsernameTextBox.Text)
myComm.Parameters.AddWithValue("@passwords ", PaswordTextBox.Text)

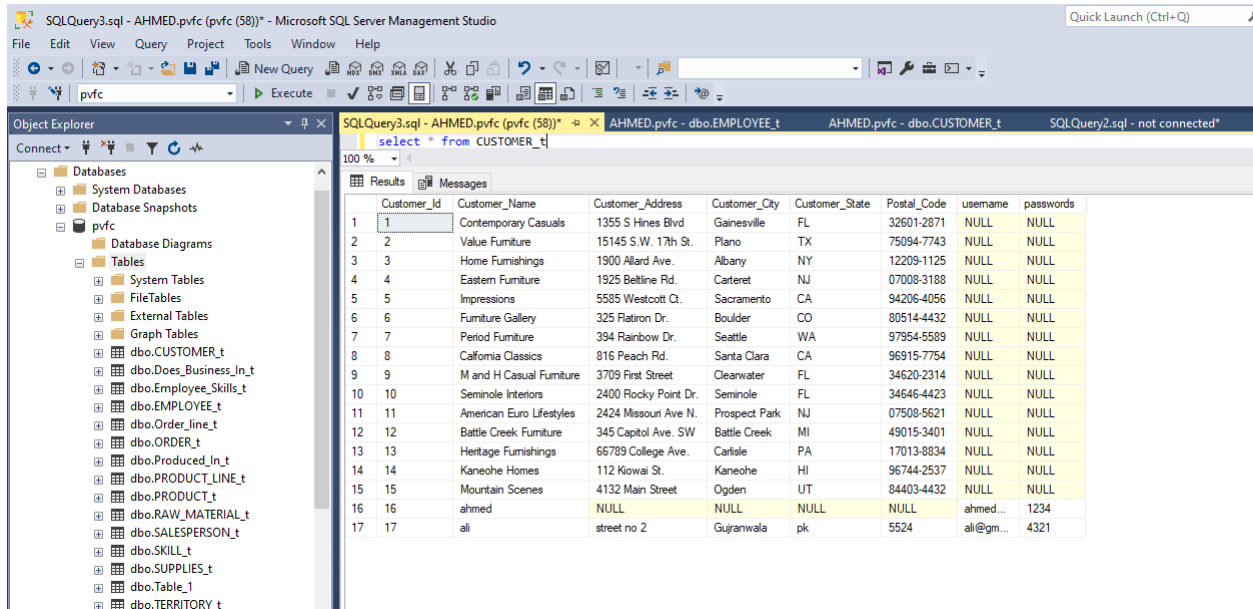
Try
    myConn.Open()
    myComm.ExecuteNonQuery()
    MsgBox("Registration successful!")
Catch ex As Exception
    MsgBox("An error occurred: " & ex.Message)

Finally
    myConn.Close()
End Try
End Sub
End Class

```

OUTPUT

The screenshot shows a web form titled "ACCOUNT CREATION" on a light blue background. The form contains several input fields with labels to their left: "Customer Name" (value: ali), "Customer Address" (value: street no 2), "Customer City" (value: Gujranwala), "Customer State" (value: pk), "Postal Code" (value: 5524), "username" (value: ali@gmail.com), and "password" (value: 4321). At the bottom center of the form is a button labeled "Create Account".



Develop a page to allows user to login.

Aspx code

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="loginPage.aspx.vb"
Inherits="lab07_loginPage" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        body {
            background-color: #f8f8f8;
            font-family: Arial, sans-serif;
        }
        h1 {
            font-size: 36px;
            font-weight: bold;
            text-align: center;
            color: #333333;
            margin-top: 50px;
            transition: color 0.3s ease;
            cursor: pointer;
        }
        .auto-style1 {
            width: 50%;
            max-width: 1178px;
            height: 100%;
            margin: 0 auto;
            padding: 60px;
        }
    </style>
</head>
<body>
```

```

        background-color: #c4fcff;
        box-sizing: border-box;
    }
    label {
        display: block;
        margin-bottom: 10px;
        color: #333;
        font-size: 16px;
    }
    input[type="text"],
    input[type="password"],
    input[type="email"] {
        display: block;
        width: 60%;
        padding: 10px;
        margin-bottom: 20px;
        border: 1px solid #ccc;
        border-radius: 4px;
        box-sizing: border-box;
        font-size: 16px;
    }
    input[type="submit"] {
        display: block;
        width: 100%;
        max-width: 200px;
        margin: 0 auto;
        padding: 10px;
        background-color: #000000;
        color: #fff;
        border: none;
        border-radius: 4px;
        font-size: 16px;
        cursor: pointer;
    }
    input[type="submit"]:hover {
        background-color: #006B8F;
    }
</style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h1>Log in </h1>
        </div>

        <div class="auto-style1">
            <label for="emailTextBox"><strong>Username/Email:</strong></label>
            <asp:TextBox ID="emailTextBox" runat="server" ></asp:TextBox>
            <br />
            <label for="passwordTextBox"><strong>Password:</strong></label>
            <asp:TextBox ID="passwordTextBox" runat="server"
TextMode="Password"></asp:TextBox>
            <br />
            <asp:Label ID="incorrectUserPasswordLabel" runat="server" ForeColor="#CC3300"
Text="'incorrect username/password '" Visible="False"></asp:Label>
            <br />
            <br />
            <asp:Button ID="loginButton" runat="server" Text="Login" />

```

```

        <br />
        <br />
        <asp:Button ID="Button2" runat="server" Text="Create an Account"
OnClick="Button2_Click" />
    </div>
</form>
</body>

```

VB.NET

```

Imports System.Data.SqlClient
Partial Class lab07_loginPage
    Inherits System.Web.UI.Page
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load

        End Sub

    Protected Sub loginButton_Click(sender As Object, e As EventArgs) Handles
loginButton.Click
        Dim connStr As String = "Data Source=AHMED;Initial Catalog=pvfc;Integrated
Security=True"

        Dim verifyCustomerQuery As String = "SELECT Customer_Id FROM CUSTOMER_t "
        verifyCustomerQuery &= "WHERE CUSTOMER_t.username = '" & emailTextBox.Text & "'
AND CUSTOMER_t.passwords= '" & passwordTextBox.Text & "' "

        Dim verifyEmployee As String = "SELECT EMPLOYEE_ID FROM EMPLOYEE_t "
        verifyEmployee &= "WHERE EMPLOYEE_t.username = '" & emailTextBox.Text & "' AND
EMPLOYEE_t.passwords= '" & passwordTextBox.Text & "' "

        Dim Myconnection As New SqlConnection(connStr)
        Dim commandCustomer As New SqlCommand(verifyCustomerQuery, Myconnection)
        Dim commandEmployee As New SqlCommand(verifyEmployee, Myconnection)

        Dim readerCustomerId As SqlDataReader
        Dim readerEmplyeeId As SqlDataReader

        Myconnection.Open()

        readerCustomerId = commandCustomer.ExecuteReader()
        Try

            readerCustomerId.Read()
            Dim customer_id As String = readerCustomerId("Customer_Id")
            If (Not customer_id Is Nothing) Then
                Response.Redirect("customer_interface.aspx?MYCustomer_id=" + customer_id)

            End If
            readerCustomerId.Close()

```



```

Catch ex As Exception
    readerCustomerId.Close()

    readerEmployeeId = commandEmployee.ExecuteReader()

Try
    readerEmployeeId.Read()
    Dim MyEmployee_id As String = readerEmployeeId("Employee_id")

    If (Not MyEmployee_id Is Nothing) Then
        Server.Transfer("employee_interface.aspx")

    End If
    readerEmployeeId.Close()

Catch qx As Exception
    readerEmployeeId.Close()

Try
    incorrectUserPasswordLabel.Visible = True
Catch vx As Exception
    incorrectUserPasswordLabel.Text = "Error occurred "
    incorrectUserPasswordLabel.Text &= vx.Message
    incorrectUserPasswordLabel.Visible = True
End Try

End Try

Finally

    Myconnection.Close()

End Try

End Sub

Protected Sub Button2_Click(sender As Object, e As EventArgs)
    Response.Redirect("AccountCreation.aspx")
End Sub
End Class

```

Output

Log in

Username/Email:

Password:

Login

Create an Account

Develop a page to add new products.

Aspx

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="customer_interface.aspx.vb"
Inherits="lab07_customer_interfac" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
  <style type="text/css">
    .auto-style1 {
      width: 1556px;
      height: 871px;
    }
  </style>
</head>
<body>
  <form id="form1" runat="server">
    <div class="auto-style1" style="background-color: #F51854">

      &nbsp;Search Product :
      <asp:TextBox ID="SearchTextBox" runat="server" Height="22px" Width="186px"
></asp:TextBox>
      &nbsp;<asp:Button ID="ProdSearchButton" runat="server" Text="Search" style="height: 35px"
/>
    </div>
  </form>
</body>
</html>
```

```
<asp:GridView ID="GridView1" runat="server">
</asp:GridView>


</asp:Label>
  
  
  


Quantity : <asp:TextBox ID="QuantityTextBox"
runat="server"></asp:TextBox>


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

Vb.net

```
Imports System.Data.SqlClient
Imports System.Data
Imports System.Reflection.Emit
Partial Class lab07_customer_interfac
    Inherits System.Web.UI.Page
    Dim myIDproduct As Int32
    Dim MyOrder_id As Integer
    Dim myConnectionStr As String = "Data Source=AHMED;Initial Catalog=pvfc;Integrated
Security=True"
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load

        myIDproduct = Me.ViewState("productID")
        Dim myQuery As String = "SELECT ORDER_ID FROM ORDER_T WHERE ORDER_ID = (SELECT
MAX(ORDER_ID) FROM ORDER_t) "

        Dim MyConn As New SqlConnection(myConnectionStr)
        Dim myCommand As New SqlCommand(myQuery, MyConn)
        Dim reader As SqlDataReader

        Try
            MyConn.Open()
            reader = myCommand.ExecuteReader()

            reader.Read()
            MyOrder_id = Convert.ToInt32(reader("ORDER_ID"))

            reader.Close()
        Catch ex As Exception
            recomendItem.InnerText = "Error occured : "
            recomendItem.InnerText &= ex.Message

        Finally
            MyConn.Close()
        End Try

    End Sub

    Protected Sub ProdSearchButton_Click(sender As Object, e As EventArgs) Handles
ProdSearchButton.Click
        AddToCartButton.Enabled = True

        Dim connectionStr As String = "Data Source=AHMED;Initial Catalog=pvfc;Integrated
Security=True"

        Dim Qury As String = "SELECT Product_id ,Product_Description, Product_Finish ,
Standard_Price "
        Qury &= " FROM PRODUCT_T "
        Qury &= "WHERE Product_Description LIKE " & "'" & SearchTextBox.Text & "%'"
```

```

Dim conn As New SqlConnection(connectionStr)
Dim command As New SqlCommand(Qury, conn)
Dim read As SqlDataReader

Try
    conn.Open()
    read = command.ExecuteReader()

    Dim table As New DataTable()
    table.Columns.Add("Product Description")
    table.Columns.Add("Product Finish")
    table.Columns.Add("Standard Price")
    table.Columns.Add("Product ID")

    While read.Read()
        Dim row As DataRow = table.NewRow()
        row("Product Description") = read("Product_Description")
        row("Product Finish") = read("Product_Finish")
        row("Standard Price") = read("Standard_Price")
        row("Product ID") = read("product_id")
        table.Rows.Add(row)
    End While

    GridView1.DataSource = table
    GridView1.DataBind()

    read.Close()
    conn.Close()

```

```

Catch ex As Exception

    ProductDetaillabel.Text = "We got an error: "
    ProductDetaillabel.Text &= ex.Message
    ProductDetaillabel.Visible = True
Finally
    conn.Close()
End Try

```

End Sub

```

Protected Sub AddToCartButton_Click(sender As Object, e As EventArgs) Handles
AddToCartButton.Click
    MyOrder_id += 1
    Dim MCustomer_id As String = Request.QueryString("MYCustomer_id").ToString
    ConfirmOrderDiv.Visible = True

    Dim InsertQuery As String = "INSERT INTO Order_t ( Order_Id, Customer_Id ,
Order_Date )"
    InsertQuery &= "VALUES ( @Order_Id , @Customer_Id , @Order_Date)"

    Dim myConn As New SqlConnection(myConnectionStr)
    Dim myComm As New SqlCommand(InsertQuery, myConn)

```

```

myComm.Parameters.AddWithValue("@Order_id", MyOrder_id)
myComm.Parameters.AddWithValue("@Customer_id", MCustomer_id)
myComm.Parameters.AddWithValue("@Order_Date", Date.Now())

Try
    myConn.Open()
    myComm.ExecuteNonQuery()
    MsgBox("order successful!")
    prodDetails.Visible = True

Catch ex As Exception
    MsgBox("An error occurred: " & ex.Message)

Finally
    myConn.Close()
End Try

End Sub

Protected Sub confirmButton_Click(sender As Object, e As EventArgs) Handles
confirmButton.Click

    Dim InsertQuery As String = "INSERT INTO Order_line_t ( Order_Id, Product_Id ,
Ordered_Quantity)"
    InsertQuery &= "VALUES ( @Order_Id , @Product_Id , @Ordered_Quantity)"

    Dim myConn As New SqlConnection(myConnectionStr)
    Dim myComm As New SqlCommand(InsertQuery, myConn)

    myComm.Parameters.AddWithValue("@Order_id", MyOrder_id)
    myComm.Parameters.AddWithValue("@Product_Id ", myIDproduct)
    myComm.Parameters.AddWithValue("@Ordered_Quantity ",
Convert.ToInt32(QuantityTextBox.Text))

    Try
        myConn.Open()
        myComm.ExecuteNonQuery()
        MsgBox("order confirmed!")

    Catch ex As Exception
        MsgBox("An error occurred: " & ex.Message)

    Finally
        myConn.Close()
    End Try

End Sub

Private Sub customer_interface_PreRender(sender As Object, e As EventArgs) Handles
Me.PreRender
    Me.ViewState("productID") = myIDproduct
End Sub
End Class
o

```



```

        prdID = Convert.ToInt32(reader("PRODUCT_ID"))

        reader.Close()

    Catch ex As Exception
        Label1.Text = "Error occured : "
        Label1.Text &= ex.Message
        Label1.Visible = True
    Finally
        MyConn.Close()

    End Try

End Sub

Protected Sub AddProductButton_Click(sender As Object, e As EventArgs) Handles
AddProductButton.Click
    ProductContents.Visible = True
End Sub

Protected Sub AddToInventoryButton_Click(sender As Object, e As EventArgs) Handles
AddToInventoryButton.Click

    prdID = prdID + 1
    Dim insertComm As String = "INSERT INTO PRODUCT_t ( Product_Id ,
Product_Description , Product_Finish , Standard_Price )"
    insertComm &= "VALUES ( @Product_Id , @Product_Description , @Product_Finish ,
@Standard_Price)"

    Dim myConn As New SqlConnection(myConnectionStr)
    Dim myComm As New SqlCommand(insertComm, myConn)

    myComm.Parameters.AddWithValue("@Product_id", prdID)
    myComm.Parameters.AddWithValue("@Product_Description",
productDescriptionTextBox.Text)
    myComm.Parameters.AddWithValue("@Product_Finish", ProductFinishTextBox.Text)
    myComm.Parameters.AddWithValue("@Standard_Price", StandardPriceTextBox.Text)

    Try
        myConn.Open()
        myComm.ExecuteNonQuery()
        MsgBox("Registration successful!")
    Catch ex As Exception
        MsgBox("An error occurred: " & ex.Message)

    Finally
        myConn.Close()
    End Try

End Sub
End Class

```

Add New Product

Enter the product description : new_table

Enter the product finish : ash

Enter the product Price : 1000

Add to Inventory

SQLQuery3.sql - AHMED.pvfc (pvfc (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Connect - pvfc Execute

Object Explorer

- Databases
 - System Databases
 - Database Snapshots
 - pvfc
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.CUSTOMER_t
 - dbo.Does_Business_In_t

SQLQuery3.sql - AHMED.pvfc (pvfc (58))

```
select * from PRODUCT_t
```

Results

	Product_Id	Product_Line_Id	Product_Description	Product_Finish	Standard_Price
1	1	1	End Table	Cherry	175.00
2	2	2	Coffee Table	Natural Ash	200.00
3	3	2	Computer Desk	Natural Ash	375.00
4	4	3	Entertainment Center	Natural Maple	650.00
5	5	1	Writers Desk	Cherry	325.00
6	6	2	8-Drawer Desk	White Ash	750.00
7	7	2	Dining Table	Natural Ash	800.00
8	8	3	Computer Desk	Walnut	250.00
9	9	NULL	new_table	ash	1000.00

