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# Lab no 16

Internet application development

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ROLL NO: BS-20-GB-108417

## Vb.net Code:

```
Imports System.Activities.Expressions
Imports System.Data.SqlClient
Imports System.ServiceModel.Security
Imports System.Web
Imports System.Web.Services
Imports System.Web.Services.Protocols
' To allow this Web Service to be called from script, using ASP.NET AJAX,
uncomment the following line.
' <System.Web.Script.Services.ScriptService()> _
<WebService(Namespace:="http://tempuri.org/")> _
<WebServiceBinding(ConformsTo:=WsiProfiles.BasicProfile1_1)>
<Global.Microsoft.VisualBasic.CompilerServices.DesignerGenerated()>
Public Class WebService
    Inherits System.Web.Services.WebService
    <WebMethod(EnableSession:=True)>
    Public Function AuthenticateUser(ByVal username As String, ByVal
password As String) As String
        Dim dd As Decimal = Int((1000 - 100 + 1) * Rnd() + 100)
        If username = "admin" And password = "admin" Then
            Session("token") = "token#" & CType(dd, String)
            Return "Authenticated"
        Else
            Session("token") = "notvalid"
            Return "Not Authenticated"
        End If
    End Function
    <WebMethod(EnableSession:=True)>
    Public Function PaymentInfo(ByVal customer_id As Decimal) As String
        Dim token As String = CType(Session("token"), String)
        If token IsNot Nothing Then
            Dim connectionString As String
            connectionString =
"Server=tcp:pvfcdbserver.database.windows.net,1433;Initial
Catalog=pvfc_db;Persist Security Info=False;User
ID=pvfc;Password=Pine@123;MultipleActiveResultSets=False;Encrypt=True;Trus
t
ServerCertificate=False;Connection Timeout=30;"
            Dim con As New SqlConnection(connectionString)
            Dim selectSql As String = "Select amount,due_date,isPaid from
bill where customer_id = " & customer_id & ";"
            Dim cmd As New SqlCommand(selectSql, con)
            con.Open()
            Dim dr As SqlDataReader
            dr = cmd.ExecuteReader
            If dr.Read() Then
                Dim dPaid = dr("isPaid")
                If dPaid Then
                    Return 0
                Else
                    Dim dt As String = CType(dr("due_date"), String)
                    Dim amount As String = dr("amount")
                    con.Close()
                End If
            End If
        End If
    End Function
End Class
```

```

Return amount & "," & dt
End If
Else
Return 0
End If
Else
Return "first authenticate your self"
End If
End Function
<WebMethod(EnableSession:=True)>
Public Function makePayment(ByVal customerId As Decimal, ByVal amount
As Decimal) As String
Dim dueAmount As Decimal
Dim token As String = CType(Session("token"), String)
If token IsNot Nothing Then
Dim connectionString As String
connectionString =
"Server=tcp:pvfcdbserver.database.windows.net,1433;Initial
Catalog=pvfc_db;Persist Security Info=False;User
ID=pvfc;Password=Pine@123;MultipleActiveResultSets=False;Encrypt=True;Trus
t
ServerCertificate=False;Connection Timeout=30;"
Dim con As New SqlConnection(connectionString)
Dim selectSql As String = "Select amount,due_date,isPaid from
bill where customer_id = " & customerId & ";"
Dim cmd As New SqlCommand(selectSql, con)
con.Open()
Dim dr As SqlDataReader
dr = cmd.ExecuteReader
If dr.Read() Then
Dim dpaid As Boolean = dr("isPaid")
If dpaid Then
Return "Amount already Paid"
Else
End If
Else
End If
con.Close()
Dim updateSql As String = "update bill set amount = " & amount
& ", due_date = NULL , paid_date = GETDATE(),isPaid = 1 where customer_id
= " & customerId & ";"
con.Open()
cmd.CommandText = updateSql
cmd.ExecuteNonQuery()
Return "Amount Paid"
Else
Return "first authenticate your self"
End If
End Function
End Class

```

## Aspx Code:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="page1.aspx.vb"
Inherits="page1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <div>
        <label for="username">For Payment Info : </label>
        <asp:TextBox id="tbpaymentInfo" placeholder="Enter Customer
ID" required="required" runat="server"></asp:TextBox>
      </div>
      <asp:Button id="Button1" text="Search" runat="server"/>
    </div>
    <div>
      <label id="label1" runat="server"></label></div>
      <label >Make Payment</label>
      <asp:TextBox id="tbMakePayment1" placeholder="Enter
CustomerId" runat="server"></asp:TextBox>

      <asp:TextBox id="tbMakePayment2" placeholder="Enter
Amount" runat="server"></asp:TextBox>
      <br />
      <label id="label2" runat="server"></label>
      <br>
      <asp:Button id="Button2" text="makePayment"
runat="server"/>
    </div>
  </div>
</form>
</body>
</html>
```

## Vb Code:

```
Imports bank
Partial Class page1
  Inherits System.Web.UI.Page
  Protected Sub info() Handles Button1.Click
    Dim customerId As String = tbpaymentInfo.Text
    Dim service As New bank
    Dim s As String
    service.AuthenticateUser("admin", "admin")
    s = service.PaymentInfo(customerId)
    label1.InnerText = s
  End Sub
  Protected Sub makePayment() Handles Button2.Click
```

```

Dim customerId As String = tbMakePayment1.Text
Dim amount As String = tbMakePayment2.Text
Dim service As New bank
Dim s As String
service.AuthenticateUser("admin", "admin")
s = service.makePayment(customerId, amount)
label2.InnerText = s
End Sub
End Class

```

## Aspx Code:

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="default.aspx.vb"
Inherits="_default" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title>Login Page - PVFC</title>
<style>
body {
background-color: #B8860B; /* light wood color */
transition: background-color 0.1s ease-in-out; /* transition effect */

}
.login-form {
position: absolute;
top: 50%;
left: 50%;
transform: translate(-50%, -50%);
background-color: rgba(255, 255, 255, 0.9);
border-radius: 10px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
padding: 40px;
width: 500px;
max-width: 90%;
text-align: center;
}
h1 {
font-size: 48px;
margin-top: 0;
margin-bottom: 20px;
color: #444;
text-transform: uppercase;
letter-spacing: 4px;
}
label, input[type="text"], input[type="password"],
input[type="submit"] {
display: block;
margin-bottom: 20px;
font-size: 20px;
width: 100%;
padding: 15px;
border-radius: 5px;

```

```
border: none;
}
label {
text-align: left;
margin-bottom: 5px;
text-transform: uppercase;
font-weight: bold;
color: #444;
letter-spacing: 2px;
}
input[type="text"], input[type="password"] {
background-color: #f2f2f2;
color: #444;
font-size: 18px;
}
input[type="submit"], .register-button {
padding: 15px 30px;
background-color: #444;
color: #fff;
border: none;
border-radius: 0;
cursor: pointer;
font-size: 20px;
text-transform: uppercase;
letter-spacing: 2px;
margin-top: 20px;
transition: all 0.3s ease-in-out;
}
input[type="submit"]:hover, .register-button:hover {
background-color: #fff;
color: #444;
border: 2px solid #444;
}
.register-button {
background-color: transparent;
margin-top: 0;
font-size: 18px;
color: #444;
border: 2px solid #444;
}
.register-button a {
color: #444;
text-decoration: none;
font-weight: bold;
letter-spacing: 2px;
transition: all 0.3s ease-in-out;
}
.register-button a:hover {
color: #fff;
background-color: #444;
}
</style>
</head>
<body>
```

```

<div class="login-form">
<h1>PIEAS BANK</h1>
<form id="form1" runat="server">
<div>
<label for="username">Username</label>
<asp:TextBox id="TBusername" placeholder="Enter your
username" required="required" runat="server"></asp:TextBox>
<label for="password">Password</label>
<asp:TextBox id="TBpassword" type="password"
placeholder="Enter your password" required="required"
runat="server"></asp:TextBox>

<label id="label1" runat="server"></label>
<asp:Button id="BtnLogin" text="Login" runat="server"/>
</div>
</form>
</div>
</body>
</html>

```

## Vb Code:

```

Imports bank
Partial Class _default
    Inherits System.Web.UI.Page
    Private Sub _default_Load(sender As Object, e As EventArgs) Handles
Me.Load
    Dim service As New bank
End Sub
    Protected Sub login() Handles BtnLogin.Click
    Dim username As String = TBusername.Text
    Dim pwd As String = TBpassword.Text
    Dim service As New bank
    Dim s As String
    s = service.AuthenticateUser(username, pwd)
    If s = "Authenticated" Then
    Response.Redirect("page1.aspx")
    Else
    label1.InnerText = "Wrong Username or Password"
    End If
End Sub
End Class

```