

INTERNET APPLICATION DEVELOPMENT

LAB: 4B

LAB REPORT

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Task 4) Consider the project database designed and implemented during previous semester i.e. Fall 2024. Its implementation was done using structured query language during previous semester. Try to recall major relations in your project database. You already have its report in printed form.

- (i) Create a database of appropriate size using SSMS.
- (ii) Create a user and set its authorizations to access the newly created database.
- (iii) Using query analyzer run the SQL script to recreate your project tables and populate with data.
Alternate option: Otherwise restore your project database.
- (iv) Create a website project using a blank folder as demonstrated in class.
 - a. Add a web form with separate code to the project.
 - b. Test the web form by running it in browser.

Write code to retrieve data from any of your project table. Display at least first five records of any relation in browser.

CODE BEHIND:

```
Imports System.Data.SqlClient
Imports System.Web.UI
Imports System.Web.UI.WebControls

Partial Class _Default
    Inherits System.Web.UI.Page

    Protected WithEvents Label1 As New Label

    Protected Sub Fetch(sender As Object, e As EventArgs) Handles
MyBase.Load
        Form.Controls.Add(Label1)

        ' New connection string with provided details
        Dim constr As String = "workstation
id=groceryst.mssql.somee.com;packet size=4096;user
id=hafsa_SQLLogin_2;pwd=ygmkekb7yj;data
source=groceryst.mssql.somee.com;persist security info=False;initial
catalog=groceryst;TrustServerCertificate=True"

        Dim con As New SqlConnection(constr)
        Dim cmd As New SqlCommand("SELECT TOP 5 * FROM CUSTOMER", con)
        Dim dr As SqlDataReader
```

```

Try
    con.Open()
    dr = cmd.ExecuteReader()

    Response.Write("<table border='1'><tr>")
    For i As Integer = 0 To dr.FieldCount - 1
        Response.Write("<th>" & dr.GetName(i) & "</th>")
    Next
    Response.Write("</tr>")

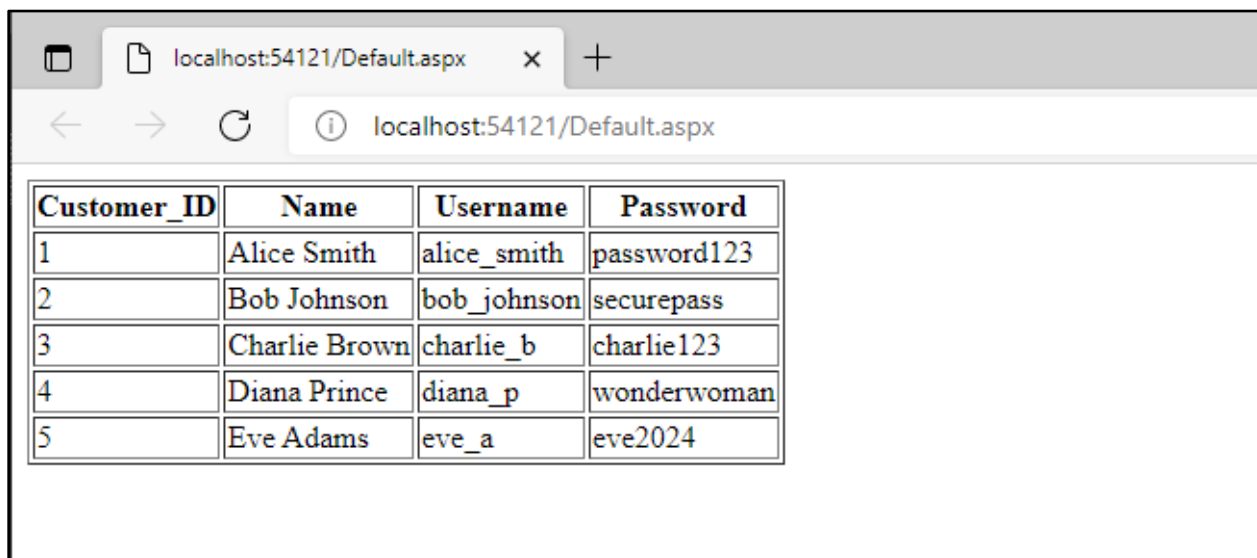
    While dr.Read()
        Response.Write("<tr>")
        For i As Integer = 0 To dr.FieldCount - 1
            Response.Write("<td>" & dr(i).ToString() & "</td>")
        Next
        Response.Write("</tr>")
    End While

    Response.Write("</table>")

Catch ex As Exception
    Label1.Text = "An error occurred: " & ex.Message
    Label1.ForeColor = Drawing.Color.Red
Finally
    cmd.Dispose()
    con.Close()
End Try
End Sub
End Class

```

OUTPUT:



The screenshot shows a web browser window with the address bar displaying 'localhost:54121/Default.aspx'. The main content area displays a table with the following data:

Customer_ID	Name	Username	Password
1	Alice Smith	alice_smith	password123
2	Bob Johnson	bob_johnson	securepass
3	Charlie Brown	charlie_b	charlie123
4	Diana Prince	diana_p	wonderwoman
5	Eve Adams	eve_a	eve2024