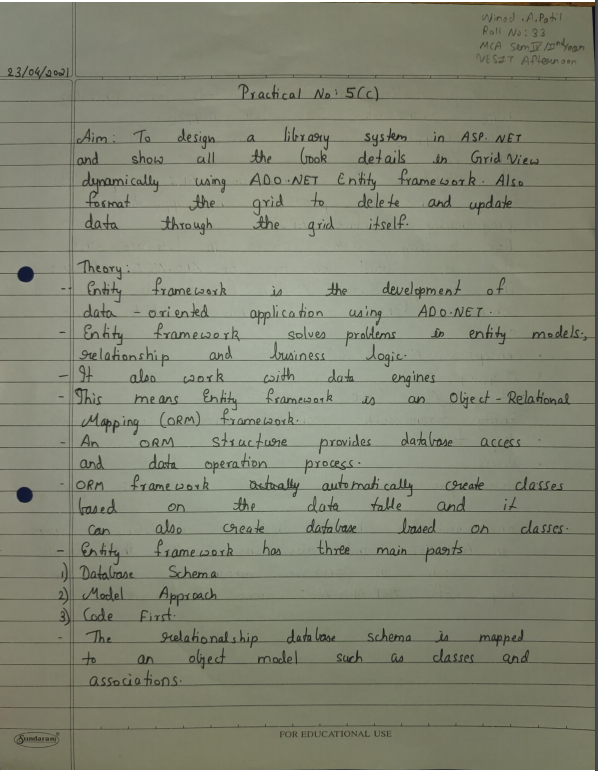
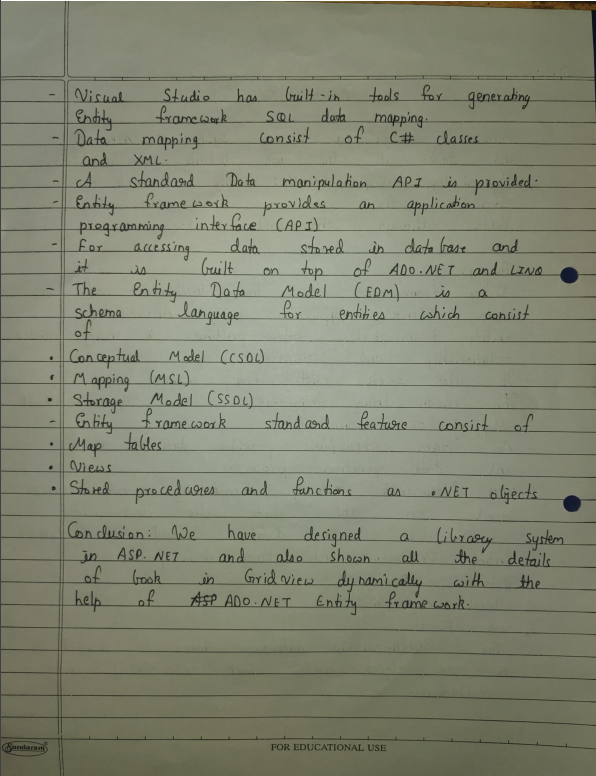
|  |  |  |  |
| --- | --- | --- | --- |
| **Name of Student: NINAD AVINASH PATIL** | | | |
| **Roll No: 33** | | **Lab Practical Number: 5(C)** | |
| **Title of Lab Practical: ADO.NET Entity Framework**  **1. Design a library system in ASP.NET and show all the book details in a Grid view dynamically using ADO.NET Entity Framework (add, update, delete and navigation operations). Also format the grid to delete and update data through the grid itself.** | | | |
| **DOP: 21/04/2021** | | **DOS: 27/04/2021** | |
| **CO Mapped: CO1** | **PO Mapped: PO3, PO5, PO7,**  **PO12, PSO1, PSO2** | **Faculty Signature:** | **Marks:** |

**Practical No 5(C)**





**Code:**

**WebForm1.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data;

using System.Data.SqlClient;

namespace P5C

{

public partial class WebForm1 : System.Web.UI.Page

{

SqlConnection con = new SqlConnection(@"Data Source=NINAD\SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

con.Open();

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "Insert into Book values('" + TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "','" + TextBox4.Text + "')";

cmd.ExecuteNonQuery();

con.Close();

Response.Redirect("WebForm1.aspx");

}

}

}

**WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="P5C.WebForm1" %>

<!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>Library Management System</title>

</head>

<body>

<h3>Library Management System</h3>

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

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" AutoGenerateDeleteButton="True" AutoGenerateEditButton="True" DataKeyNames="SerialId" DataSourceID="EntityDataSource1">

<Columns>

<asp:BoundField DataField="BookID" HeaderText="BookID" SortExpression="BookID" />

<asp:BoundField DataField="BookName" HeaderText="BookName" SortExpression="BookName" />

<asp:BoundField DataField="AuthorName" HeaderText="AuthorName" SortExpression="AuthorName" />

<asp:BoundField DataField="BookPrice" HeaderText="BookPrice"

SortExpression="BookPrice" />

</Columns>

</asp:GridView>

<asp:EntityDataSource ID="EntityDataSource1" runat="server" ConnectionString="name=studentEntities" DefaultContainerName="studentEntities" EnableDelete="True" EnableFlattening="False" EnableInsert="True" EnableUpdate="True" EntitySetName="Books" EntityTypeFilter="Book">

</asp:EntityDataSource>

<br />

<div>

<asp:Label ID="Label1" runat="server" Text="Book ID"></asp:Label>

:&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Book Name"></asp:Label>

:&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label3" runat="server" Text="Author Name"></asp:Label>

:&nbsp;&nbsp;

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label4" runat="server" Text="Book Price"></asp:Label>

:&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button1" runat="server" onclick="Button1\_Click" Text="Add Book" />

</div>

</form>

</body>

</html>

**Web.config**

<?xml version="1.0" encoding="utf-8"?>

<!--

For more information on how to configure your ASP.NET application, please visit

http://go.microsoft.com/fwlink/?LinkId=169433

-->

<configuration>

<system.web>

<compilation debug="true" targetFramework="4.0">

<assemblies>

<add assembly="System.Data.Entity, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" />

</assemblies>

</compilation>

</system.web>

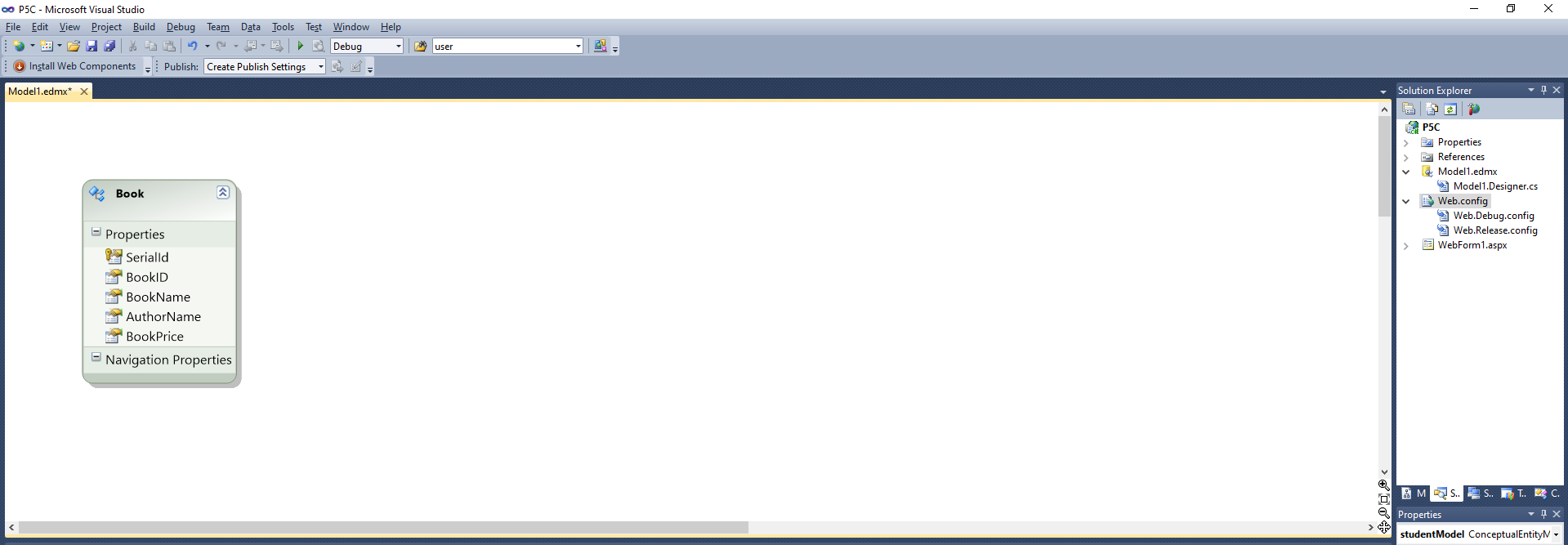
<connectionStrings>

<add name="studentEntities" connectionString="metadata=res://\*/Model1.csdl|res://\*/Model1.ssdl|res://\*/Model1.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=NINAD\SQLEXPRESS;initial catalog=student;integrated security=True;multipleactiveresultsets=True;App=EntityFramework&quot;" providerName="System.Data.EntityClient" />

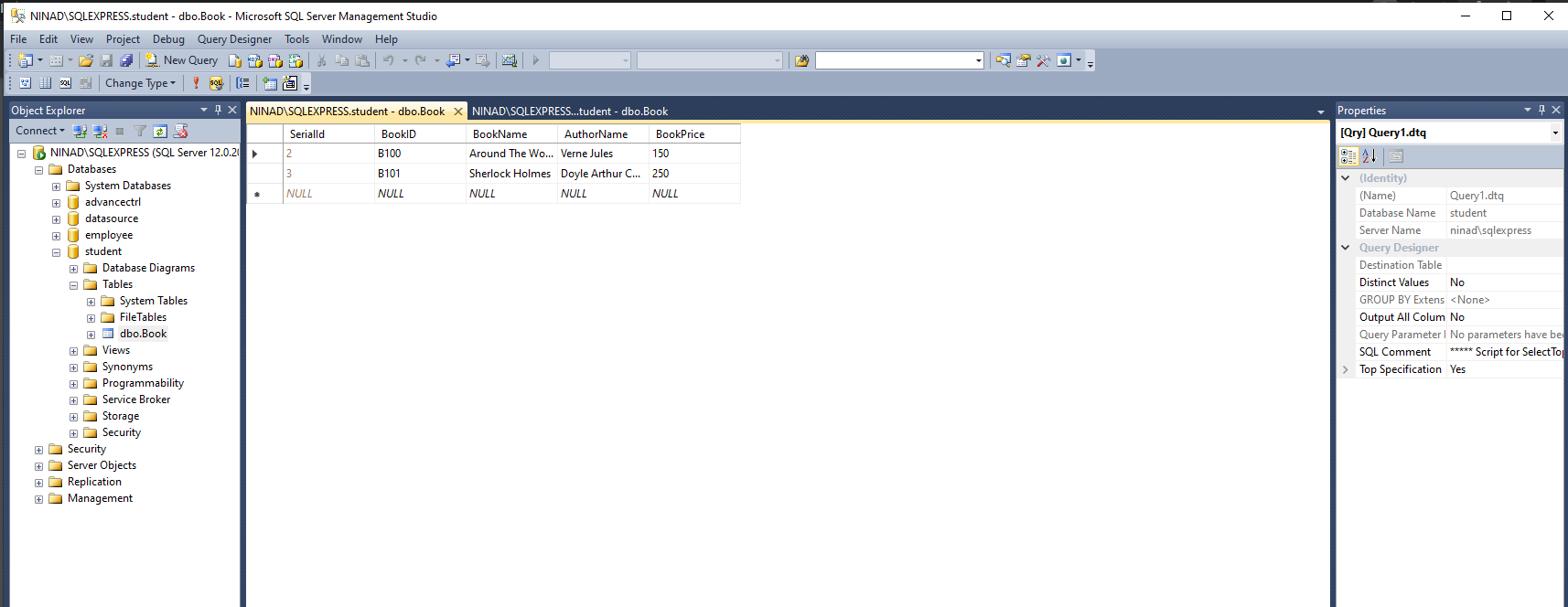
</connectionStrings>

</configuration>

**Model1.edmx:**



**Database Table:**



**Output:**

