Q 1,2,3,4 MVC

Store procedure

CREATE PROCEDURE [dbo].[DeleteProduct]

@ProductId int,

@ProductName VARCHAR (50),

@Rate DECIMAL (18, 2),

@Description VARCHAR (200),

@CategoryName VARCHAR (50)

AS

Delete from Products Where ProductId=@ProductId

RETURN 0

CREATE PROCEDURE [dbo].[DetailsProduct]

@ProductId int,

@ProductName VARCHAR (50),

@Rate DECIMAL (18, 2),

@Description VARCHAR (200),

@CategoryName VARCHAR (50)

AS

SELECT ProductId =@ProductId, ProductName=@ProductName, Rate=@Rate, Description=@Description,CategoryName=@CategoryName

RETURN 0

CREATE PROCEDURE [dbo].[EditProduct]

@ProductName VARCHAR (50),

@Rate DECIMAL (18, 2),

@Description VARCHAR (200),

@CategoryName VARCHAR (50)

AS

Update Products set ProductName=@ProductName, Rate=@Rate, Description=@Description,CategoryName=@CategoryName

RETURN 0

CREATE PROCEDURE [dbo].[InsertProduct]

@ProductName VARCHAR (50),

@Rate DECIMAL (18, 2),

@Description VARCHAR (200),

@CategoryName VARCHAR (50)

AS

insert into Products values(@ProductName, @Rate, @Description, @CategoryName )

RETURN 0

//Controller

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.Mvc;

using WebApplicationudingMVC.Models;

namespace WebApplicationudingMVC.Controllers

{

public class ProductssController : Controller

{

// GET: Productss

public ActionResult Index()

{

List<Products> pro = new List<Products>();

SqlConnection conn = new SqlConnection();

conn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial Catalog='Exam DataBase';Integrated Security=True;";

conn.Open();

SqlCommand cmdIndex = new SqlCommand();

cmdIndex.Connection = conn;

// cmdCreat.CommandType = System.Data.CommandType.StoredProcedure;

cmdIndex.CommandType = System.Data.CommandType.Text;

cmdIndex.CommandText = "select \* from Products";

try

{

SqlDataReader drr = cmdIndex.ExecuteReader();

while(drr.Read())

{

pro.Add(new Products { ProductId = (int)drr["ProductId"], ProductName=(string)drr["ProductName"],Rate = (decimal)drr["Rate"],Description = (string)drr["Description"], CategoryName= (string)drr["CategoryName"]});

}

drr.Close();

}

catch(Exception e)

{

}

finally

{

conn.Close();

}

return View(pro);

}

// GET: Productss/Details/5

public ActionResult Details(int id)

{

List<Products> pro = new List<Products>();

SqlConnection conn = new SqlConnection();

conn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial Catalog='Exam DataBase';Integrated Security=True;";

conn.Open();

SqlCommand cmdIndex = new SqlCommand();

cmdIndex.Connection = conn;

// cmdCreat.CommandType = System.Data.CommandType.StoredProcedure;

cmdIndex.CommandType = System.Data.CommandType.Text;

cmdIndex.CommandText = "select \* from Products where ProductId=@ProductId";

cmdIndex.Parameters.AddWithValue("@ProductId", id);

SqlDataReader drr = cmdIndex.ExecuteReader();

Products obj = null;

if(drr.Read())

{

obj = new Products { ProductId = id, ProductName = drr.GetString(1), Rate =drr.GetDecimal(2), Description =drr.GetString(3), CategoryName = drr.GetString(4) };

}

else

{

Console.WriteLine("Error");

}

conn.Close();

return View(obj);

}

// GET: Productss/Create

public ActionResult Create()

{

return View();

}

// POST: Productss/Create

[HttpPost]

public ActionResult Create(Products product)

{

SqlConnection conn = new SqlConnection();

conn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial Catalog='Exam DataBase';Integrated Security=True;";

conn.Open();

SqlCommand cmdCreat = new SqlCommand();

cmdCreat.Connection = conn;

// cmdCreat.CommandType = System.Data.CommandType.StoredProcedure;

cmdCreat.CommandType = System.Data.CommandType.Text;

cmdCreat.CommandText = "insert into Products values(@ProductName,@Rate,@Description, @CategoryName )";

cmdCreat.Parameters.AddWithValue("@ProductName", product.ProductName);

cmdCreat.Parameters.AddWithValue("@Rate", product.ProductName);

cmdCreat.Parameters.AddWithValue("@Description", product.Description);

cmdCreat.Parameters.AddWithValue("@CategoryName", product.CategoryName);

try

{

// TODO: Add insert logic here

cmdCreat.ExecuteNonQuery();

return RedirectToAction("Index");

}

catch

{

return View(product);

}

finally

{

conn.Close();

}

}

// GET: Productss/Edit/5

public ActionResult Edit(int id)

{

List<Products> pro = new List<Products>();

SqlConnection conn = new SqlConnection();

conn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial Catalog='Exam DataBase';Integrated Security=True;";

conn.Open();

SqlCommand cmdIndex = new SqlCommand();

cmdIndex.Connection = conn;

// cmdCreat.CommandType = System.Data.CommandType.StoredProcedure;

cmdIndex.CommandType = System.Data.CommandType.Text;

cmdIndex.CommandText = "select \* from Products where ProductId=@ProductId";

cmdIndex.Parameters.AddWithValue("@ProductId", id);

SqlDataReader drr = cmdIndex.ExecuteReader();

Products obj = null;

if (drr.Read())

{

obj = new Products { ProductId = id, ProductName = drr.GetString(1), Rate = drr.GetDecimal(2), Description = drr.GetString(3), CategoryName = drr.GetString(4) };

}

else

{

Console.WriteLine("Error");

}

conn.Close();

return View(obj);

}

// POST: Productss/Edit/5

[HttpPost]

public ActionResult Edit(int id, Products product)

{

SqlConnection conn = new SqlConnection();

conn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial Catalog='Exam DataBase';Integrated Security=True;";

conn.Open();

SqlCommand cmdEdit = new SqlCommand();

cmdEdit.Connection = conn;

// cmdCreat.CommandType = System.Data.CommandType.StoredProcedure;

cmdEdit.CommandType = System.Data.CommandType.Text;

cmdEdit.CommandText = "update Products set ProductName=@ProductName,Rate=@Rate,Description=@Description, CategoryName=@CategoryName";

cmdEdit.Parameters.AddWithValue("@ProductName", product.ProductName);

cmdEdit.Parameters.AddWithValue("@Rate", product.ProductName);

cmdEdit.Parameters.AddWithValue("@Description", product.Description);

cmdEdit.Parameters.AddWithValue("@CategoryName", product.CategoryName);

try

{

// TODO: Add update logic here

cmdEdit.ExecuteNonQuery();

return RedirectToAction("Index");

}

catch(Exception e)

{

return View();

}

finally

{

conn.Close();

}

}

// GET: Productss/Delete/5

public ActionResult Delete(int id)

{

SqlConnection conn = new SqlConnection();

conn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial Catalog='Exam DataBase';Integrated Security=True;";

conn.Open();

SqlCommand cmdEdit = new SqlCommand();

cmdEdit.Connection = conn;

// cmdCreat.CommandType = System.Data.CommandType.StoredProcedure;

cmdEdit.CommandType = System.Data.CommandType.Text;

cmdEdit.CommandText = "select \* from Products where ProductId=@ProductId";

cmdEdit.Parameters.AddWithValue("@ProductId", id);

SqlDataReader drr = cmdEdit.ExecuteReader();

Products obj = null;

if (drr.Read())

{

obj = new Products { ProductId = id, ProductName = drr.GetString(1), Rate = drr.GetDecimal(2), Description = drr.GetString(3), CategoryName = drr.GetString(4) };

}

else

{

Console.WriteLine("Error");

}

conn.Close();

return View(obj);

}

// POST: Productss/Delete/5

[HttpPost]

public ActionResult Delete(int id, FormCollection collection)

{

try

{

SqlConnection conn = new SqlConnection();

conn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial Catalog='Exam DataBase';Integrated Security=True;";

conn.Open();

SqlCommand cmdEdit = new SqlCommand();

cmdEdit.Connection = conn;

// cmdCreat.CommandType = System.Data.CommandType.StoredProcedure;

cmdEdit.CommandType = System.Data.CommandType.Text;

cmdEdit.CommandText = "delete from Products where ProductId=@ProductId";

cmdEdit.Parameters.AddWithValue("@ProductId", id);

cmdEdit.ExecuteNonQuery();

conn.Close();

return RedirectToAction("Index");

}

catch

{

return View();

}

}

}

}

//Model

using System;

using System.Collections.Generic;

using System.ComponentModel.DataAnnotations;

using System.ComponentModel.DataAnnotations.Schema;

using System.Linq;

using System.Web;

namespace WebApplicationudingMVC.Models

{

public class Products

{

[Key]

[DatabaseGenerated(DatabaseGeneratedOption.Identity)]

public int ProductId { get; set; }

[DataType(DataType.Text)]

[Required(ErrorMessage ="Please Enter Valid Product Name")]

public string ProductName { get; set; }

public decimal Rate { get; set; }

[DataType(DataType.Text)]

[Required(ErrorMessage = "Please Enter Valid Product Description")]

public string Description { get; set; }

[DataType(DataType.Text)]

[Required(ErrorMessage = "Please Enter Valid Product Category")]

public string CategoryName { get; set; }

}

}

Q5 API

CREATE TABLE [dbo].[Products] (

[ProductId] INT IDENTITY (1, 1) NOT NULL,

[ProductName] VARCHAR (50) NOT NULL,

[Rate] DECIMAL (18, 2) NOT NULL,

[Description] VARCHAR (200) NOT NULL,

[CategoryName] VARCHAR (50) NOT NULL,

PRIMARY KEY CLUSTERED ([ProductId] ASC)

);