Student.cs

using System;

using System.Collections.Generic;

using System.ComponentModel.DataAnnotations;

using System.ComponentModel.DataAnnotations.Schema;

using System.Linq;

using System.Web;

namespace WebApplication1.Models

{

[Table("Student")]

public class Student

{

[Key]

public int Id { get; set; }

[Required]

public string Name { get; set; }

[Required]

public DateTime BirthDate { get; set; }

public string FatherName { get; set; }

[Required]

public double MobileNumber { get; set;}

public virtual ICollection<Classes> classes { get; set; }

public virtual ICollection<Subject> Subject { get; set; }

}

}

Classes.cs

using System;

using System.Collections.Generic;

using System.ComponentModel.DataAnnotations;

using System.ComponentModel.DataAnnotations.Schema;

using System.Linq;

using System.Web;

namespace WebApplication1.Models

{

[Table("Table")]

public class Classes

{

[Key]

public int CId { get; set; }

[Required]

public string Class { get; set; }

[Required]

public string Section { get; set; }

public int StudentId { get; set; }

public virtual Student Student { get; set; }

}

}

Subject.cs

using System;

using System.Collections.Generic;

using System.ComponentModel.DataAnnotations;

using System.ComponentModel.DataAnnotations.Schema;

using System.Linq;

using System.Web;

namespace WebApplication1.Models

{

[Table("Subject")]

public class Subject

{

[Key]

public int SId { get; set; }

[Required]

public string SubjectName { get; set; }

[Required]

public int Score { get; set; }

public int StudentName { get; set; }

public virtual Student Student { get; set; }

}

}

StudentsController.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.Entity;

using System.Linq;

using System.Net;

using System.Web;

using System.Web.Mvc;

using WebApplication1.Data;

using WebApplication1.Models;

namespace WebApplication1.Controllers

{

public class StudentsController : Controller

{

private WebAppliDbContext db = new WebAppliDbContext();

// GET: Students

public ActionResult Index()

{

return View(db.Students.ToList());

}

// GET: Students/Details/5

public ActionResult Details(int? id)

{

if (id == null)

{

return new HttpStatusCodeResult(HttpStatusCode.BadRequest);

}

Student student = db.Students.Find(id);

if (student == null)

{

return HttpNotFound();

}

return View(student);

}

// GET: Students/Create

public ActionResult Create()

{

return View();

}

// POST: Students/Create

// To protect from overposting attacks, enable the specific properties you want to bind to, for

// more details see https://go.microsoft.com/fwlink/?LinkId=317598.

[HttpPost]

[ValidateAntiForgeryToken]

public ActionResult Create([Bind(Include = "Id,Name,BirthDate,FatherName,MobileNumber")] Student student)

{

if (ModelState.IsValid)

{

db.Students.Add(student);

db.SaveChanges();

return RedirectToAction("Index");

}

return View(student);

}

// GET: Students/Edit/5

public ActionResult Edit(int? id)

{

if (id == null)

{

return new HttpStatusCodeResult(HttpStatusCode.BadRequest);

}

Student student = db.Students.Find(id);

if (student == null)

{

return HttpNotFound();

}

return View(student);

}

// POST: Students/Edit/5

// To protect from overposting attacks, enable the specific properties you want to bind to, for

// more details see https://go.microsoft.com/fwlink/?LinkId=317598.

[HttpPost]

[ValidateAntiForgeryToken]

public ActionResult Edit([Bind(Include = "Id,Name,BirthDate,FatherName,MobileNumber")] Student student)

{

if (ModelState.IsValid)

{

db.Entry(student).State = EntityState.Modified;

db.SaveChanges();

return RedirectToAction("Index");

}

return View(student);

}

// GET: Students/Delete/5

public ActionResult Delete(int? id)

{

if (id == null)

{

return new HttpStatusCodeResult(HttpStatusCode.BadRequest);

}

Student student = db.Students.Find(id);

if (student == null)

{

return HttpNotFound();

}

return View(student);

}

// POST: Students/Delete/5

[HttpPost, ActionName("Delete")]

[ValidateAntiForgeryToken]

public ActionResult DeleteConfirmed(int id)

{

Student student = db.Students.Find(id);

db.Students.Remove(student);

db.SaveChanges();

return RedirectToAction("Index");

}

protected override void Dispose(bool disposing)

{

if (disposing)

{

db.Dispose();

}

base.Dispose(disposing);

}

}

}

ClassesController.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.Entity;

using System.Linq;

using System.Net;

using System.Web;

using System.Web.Mvc;

using WebApplication1.Data;

using WebApplication1.Models;

namespace WebApplication1.Controllers

{

public class ClassesController : Controller

{

private WebAppliDbContext db = new WebAppliDbContext();

// GET: Classes

public ActionResult Index()

{

var classes = db.Classes.Include(c => c.Student);

return View(classes.ToList());

}

// GET: Classes/Details/5

public ActionResult Details(int? id)

{

if (id == null)

{

return new HttpStatusCodeResult(HttpStatusCode.BadRequest);

}

Classes classes = db.Classes.Find(id);

if (classes == null)

{

return HttpNotFound();

}

return View(classes);

}

// GET: Classes/Create

public ActionResult Create()

{

ViewBag.StudentId = new SelectList(db.Students, "Id", "Name");

return View();

}

// POST: Classes/Create

// To protect from overposting attacks, enable the specific properties you want to bind to, for

// more details see https://go.microsoft.com/fwlink/?LinkId=317598.

[HttpPost]

[ValidateAntiForgeryToken]

public ActionResult Create([Bind(Include = "CId,Class,Section,StudentId")] Classes classes)

{

if (ModelState.IsValid)

{

db.Classes.Add(classes);

db.SaveChanges();

return RedirectToAction("Index");

}

ViewBag.StudentId = new SelectList(db.Students, "Id", "Name", classes.StudentId);

return View(classes);

}

// GET: Classes/Edit/5

public ActionResult Edit(int? id)

{

if (id == null)

{

return new HttpStatusCodeResult(HttpStatusCode.BadRequest);

}

Classes classes = db.Classes.Find(id);

if (classes == null)

{

return HttpNotFound();

}

ViewBag.StudentId = new SelectList(db.Students, "Id", "Name", classes.StudentId);

return View(classes);

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// POST: Classes/Edit/5

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[HttpPost]

[ValidateAntiForgeryToken]

public ActionResult Edit([Bind(Include = "CId,Class,Section,StudentId")] Classes classes)

{

if (ModelState.IsValid)

{

db.Entry(classes).State = EntityState.Modified;

db.SaveChanges();

return RedirectToAction("Index");

}

ViewBag.StudentId = new SelectList(db.Students, "Id", "Name", classes.StudentId);

return View(classes);

}

// GET: Classes/Delete/5

public ActionResult Delete(int? id)

{

if (id == null)

{

return new HttpStatusCodeResult(HttpStatusCode.BadRequest);

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Classes classes = db.Classes.Find(id);

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return View(classes);

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// POST: Classes/Delete/5

[HttpPost, ActionName("Delete")]

[ValidateAntiForgeryToken]

public ActionResult DeleteConfirmed(int id)

{

Classes classes = db.Classes.Find(id);

db.Classes.Remove(classes);

db.SaveChanges();

return RedirectToAction("Index");

}

protected override void Dispose(bool disposing)

{

if (disposing)

{

db.Dispose();

}

base.Dispose(disposing);

}

}

}

SubjectsControllers.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.Entity;

using System.Linq;

using System.Net;

using System.Web;

using System.Web.Mvc;

using WebApplication1.Data;

using WebApplication1.Models;

namespace WebApplication1.Controllers

{

public class SubjectsController : Controller

{

private WebAppliDbContext db = new WebAppliDbContext();

// GET: Subjects

public ActionResult Index()

{

return View(db.Subjects.ToList());

}

// GET: Subjects/Details/5

public ActionResult Details(int? id)

{

if (id == null)

{

return new HttpStatusCodeResult(HttpStatusCode.BadRequest);

}

Subject subject = db.Subjects.Find(id);

if (subject == null)

{

return HttpNotFound();

}

return View(subject);

}

// GET: Subjects/Create

public ActionResult Create()

{

return View();

}

// POST: Subjects/Create

// To protect from overposting attacks, enable the specific properties you want to bind to, for

// more details see https://go.microsoft.com/fwlink/?LinkId=317598.

[HttpPost]

[ValidateAntiForgeryToken]

public ActionResult Create([Bind(Include = "SId,SubjectName,Score,StudentName")] Subject subject)

{

if (ModelState.IsValid)

{

db.Subjects.Add(subject);

db.SaveChanges();

return RedirectToAction("Index");

}

return View(subject);

}

// GET: Subjects/Edit/5

public ActionResult Edit(int? id)

{

if (id == null)

{

return new HttpStatusCodeResult(HttpStatusCode.BadRequest);

}

Subject subject = db.Subjects.Find(id);

if (subject == null)

{

return HttpNotFound();

}

return View(subject);

}

// POST: Subjects/Edit/5

// To protect from overposting attacks, enable the specific properties you want to bind to, for

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[HttpPost]

[ValidateAntiForgeryToken]

public ActionResult Edit([Bind(Include = "SId,SubjectName,Score,StudentName")] Subject subject)

{

if (ModelState.IsValid)

{

db.Entry(subject).State = EntityState.Modified;

db.SaveChanges();

return RedirectToAction("Index");

}

return View(subject);

}

// GET: Subjects/Delete/5

public ActionResult Delete(int? id)

{

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Subject subject = db.Subjects.Find(id);

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[HttpPost, ActionName("Delete")]

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public ActionResult DeleteConfirmed(int id)

{

Subject subject = db.Subjects.Find(id);

db.Subjects.Remove(subject);

db.SaveChanges();

return RedirectToAction("Index");

}

protected override void Dispose(bool disposing)

{

if (disposing)

{

db.Dispose();

}

base.Dispose(disposing);

}

}

}