

SourceCode

StudentModel

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace SchoolManagementCRUDOperations.Models
{
    public class StudentModel
    {
        public int Studentregno { get; set; }
        public string StudentName { get; set; }
        public string StudentPlace { get; set; }
        public int StudentMarks { get; set; }
    }
}
```

ClassModel

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace SchoolManagementCRUDOperations.Models
{
    public class ClassModel
    {
        public int ClassId { get; set; }
        public string ClassName { get; set; }

        public string Section { get; set; }
    }
}
```

SubjectModel

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
```

```

namespace SchoolManagementCRUDOperations.Models
{
    public class SubjectModel
    {
        public int SubjectId { get; set; }
        public string SubjectName { get; set; }
        public string SubjectTeacherName { get; set; }
    }
}

```

StudentController

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using SchoolLibrary;
using SchoolManagementCRUDOperations.Models;

namespace SchoolManagementCRUDOperations.Controllers
{
    public class StudentController : Controller
    {
        SchoolLibrary.SchoolDBEntities db = new SchoolDBEntities();
        // GET: Student
        public ActionResult Index()
        {
            List<Student> student = db.Students.ToList();
            List<StudentModel> studentlist = new List<StudentModel>();
            foreach(var item in student)
            {
                StudentModel studentmodel = new StudentModel();
                studentmodel.Studentregno = item.Studentregno;
                studentmodel.StudentName = item.StudentName;
                studentmodel.StudentPlace=item.StudentPlace;
                studentmodel.StudentMarks=Convert.ToInt32(item.StudentMarks);
                studentlist.Add(studentmodel);
            }
            return View(studentlist);
        }

        // GET: Student/Details/5
        public ActionResult Details(int id)
        {
            Student s = db.Students.Find(id);
            StudentModel studentmodel = new StudentModel();
            studentmodel.Studentregno = s.Studentregno;
            studentmodel.StudentName = s.StudentName;
            studentmodel.StudentPlace = s.StudentPlace;
            studentmodel.StudentMarks = Convert.ToInt32(s.StudentMarks);
            return View(studentmodel);
        }

        // GET: Student/Create
    }
}

```

```

public ActionResult Create()
{
    return View();
}

// POST: Student/Create
[HttpPost]
public ActionResult Create(FormCollection collection)
{
    try
    {
        StudentModel studentmodel = new StudentModel();
        studentmodel.Studentregno =
Convert.ToInt32(collection["Studentregno"]);
        studentmodel.StudentName = collection["StudentName"];
        studentmodel.StudentPlace = collection["StudentPlace"];
        studentmodel.StudentMarks =
Convert.ToInt32(collection["StudentMarks"]);

        Student s = new Student();
        s.Studentregno = Convert.ToInt32(studentmodel.Studentregno);
        s.StudentName = studentmodel.StudentName;
        s.StudentPlace = studentmodel.StudentPlace;
        s.StudentMarks = Convert.ToInt32(studentmodel.StudentMarks);

        db.Students.Add(s);
        db.SaveChanges();
        // TODO: Add insert logic here

        return RedirectToAction("Index");
    }
    catch
    {
        return View();
    }
}

// GET: Student/Edit/5
public ActionResult Edit(int? id)
{
    Student student = db.Students.Find(id);
    StudentModel model = new StudentModel();
    model.Studentregno = Convert.ToInt32(student.Studentregno);
    model.StudentName = student.StudentName;
    model.StudentPlace = student.StudentPlace;
    model.StudentMarks = Convert.ToInt32(student.StudentMarks);

    return View(model);
}

// POST: Student/Edit/5
[HttpPost]
public ActionResult Edit(int id, FormCollection collection)
{
    try
    {
        // TODO: Add update logic here
        Student s = db.Students.Find(id);
        s.Studentregno = Convert.ToInt32(collection["Studentregno"]);
        s.StudentName = collection["StudentNmae"];
        s.StudentPlace = collection["StudentPlace"];
        s.StudentMarks = Convert.ToInt32(collection["StudentMarks"]);
    }
}

```

```

        return RedirectToAction("Index");
    }
    catch
    {
        return View();
    }
}

// GET: Student/Delete/5
public ActionResult Delete(int id)
{
    Student student = db.Students.Find(id);
    StudentModel model = new StudentModel();
    model.Studentregno = Convert.ToInt32(student.Studentregno);
    model.StudentName = student.StudentName;
    model.StudentPlace = student.StudentPlace;
    model.StudentMarks = Convert.ToInt32(student.StudentMarks);

    return View(model);
}

// POST: Student/Delete/5
[HttpPost]
public ActionResult Delete(int id, FormCollection collection)
{
    try
    {
        Student s = db.Students.Find(id);
        db.Students.Remove(s);
        db.SaveChanges();

        // TODO: Add delete logic here

        return RedirectToAction("Index");
    }
    catch
    {
        return View();
    }
}
}
}

```

ClassController

```

using SchoolLibrary;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using SchoolManagementCRUDOperations.Models;
using System.Security.Claims;

```

```

namespace SchoolManagementCRUDOperations.Controllers
{
    public class ClassController : Controller
    {
        SchoolLibrary.SchoolDBEntities db = new SchoolDBEntities();
        // GET: Class
        public ActionResult Index()
        {
            List<Class> classes = new List<Class>();
            List<ClassModel> classlist= new List<ClassModel>();
            foreach(var item in classes)
            {
                ClassModel model = new ClassModel();
                model.ClassId=item.ClassId;
                model.ClassName=item.ClassName;
                model.Section=item.Section;
                classlist.Add(model);
            }
            return View(classlist);
        }

        // GET: Class/Details/5
        public ActionResult Details(int id)
        {
            Class c = db.Classes.Find(id);
            ClassModel model = new ClassModel();
            model.ClassId=c.ClassId;
            model.ClassName=c.ClassName;
            model.Section=c.Section;
            return View(model);
        }

        // GET: Class/Create
        public ActionResult Create()
        {
            return View();
        }

        // POST: Class/Create
        [HttpPost]
        public ActionResult Create(FormCollection collection)
        {
            try
            {
                ClassModel model = new ClassModel();
                model.ClassId = Convert.ToInt32(collection["ClassId"]);
                model.ClassName = collection["ClassName"];
                model.Section = collection["Section"];

                Class c = new Class();

                c.ClassId = Convert.ToInt32(model.ClassId);
                c.ClassName = model.ClassName;
                c.Section = model.Section;
                db.Classes.Add(c);

                db.SaveChanges();
                // TODO: Add insert logic here

                return RedirectToAction("Index");
            }
        }
    }
}

```

```

        catch
        {
            return View();
        }
    }

    // GET: Class/Edit/5
    public ActionResult Edit(int id)
    {
        Class @class = db.Classes.Find(id);
        ClassModel model = new ClassModel();
        model.ClassId = (int)@class.ClassId;
        model.ClassName=@class.ClassName.ToString();
        model.Section = @class.Section;

        return View(model);
    }

    // POST: Class/Edit/5
    [HttpPost]
    public ActionResult Edit(int id, FormCollection collection)
    {
        try
        {
            // TODO: Add update logic here
            Class c = db.Classes.Find(id);
            c.ClassId = Convert.ToInt32(collection["ClassId"]);
            c.ClassName = collection["ClassName"];
            c.Section = collection["Section"];

            return RedirectToAction("Index");
        }
        catch
        {
            return View();
        }
    }

    // GET: Class/Delete/5
    public ActionResult Delete(int id)
    {
        Class @class=db.Classes.Find(id);
        ClassModel model=new ClassModel();
        model.ClassId = (int)@class.ClassId;
        model.ClassName = @class.ClassName.ToString();
        model.Section = @class.Section;
        return View(model);
    }

    // POST: Class/Delete/5
    [HttpPost]
    public ActionResult Delete(int id, FormCollection collection)
    {
        try
        {
            Class c = db.Classes.Find(id);
            db.Classes.Remove(c);
            db.SaveChanges();
            // TODO: Add delete logic here

            return RedirectToAction("Index");
        }
    }

```

```

        catch
        {
            return View();
        }
    }
}

```

SubjectController

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using SchoolLibrary;
using SchoolManagementCRUDOperations.Models;

namespace SchoolManagementCRUDOperations.Controllers
{
    public class SubjectController : Controller
    {
        SchoolLibrary.SchoolDBEntities db=new SchoolLibrary.SchoolDBEntities();
        // GET: Subject
        public ActionResult Index()
        {
            List<Subject> subject = db.Subjects.ToList();
            List<SubjectModel> sublist=new List<SubjectModel>();
            foreach(var item in subject)
            {
                SubjectModel model = new SubjectModel();
                model.SubjectId = item.SubjectId;
                model.SubjectName = item.SubjectName;
                model.SubjectTeacherName = item.SubjectTeacherName;
                sublist.Add(model);
            }
            return View(sublist);
        }

        // GET: Subject/Details/5
        public ActionResult Details(int id)
        {
            Subject subject = db.Subjects.Find(id);
            SubjectModel model = new SubjectModel();
            model.SubjectId = subject.SubjectId;
            model.SubjectName = subject.SubjectName;
            model.SubjectTeacherName= subject.SubjectTeacherName;

            return View(model);
        }

        // GET: Subject/Create
        public ActionResult Create()
        {
            return View();
        }
    }
}

```

```

// POST: Subject/Create
[HttpPost]
public ActionResult Create(FormCollection collection)
{
    try
    {
        SubjectModel model=new SubjectModel();
        model.SubjectId = Convert.ToInt32(collection["SubjectId"]);
        model.SubjectName = collection["SubjectName"];
        model.SubjectTeacherName = collection["SubjectTeacherName"];

        Subject s =new Subject();
        s.SubjectId=model.SubjectId;
        s.SubjectName = model.SubjectName;
        s.SubjectTeacherName=model.SubjectTeacherName;
        db.Subjects.Add(s);
        db.SaveChanges();
        // TODO: Add insert logic here

        return RedirectToAction("Index");
    }
    catch
    {
        return View();
    }
}

// GET: Subject/Edit/5
public ActionResult Edit(int id)
{
    Subject subject = db.Subjects.Find(id);
    SubjectModel model = new SubjectModel();
    model.SubjectId = subject.SubjectId;
    model.SubjectName = subject.SubjectName;
    model.SubjectTeacherName=subject.SubjectTeacherName;

    return View(model);
}

// POST: Subject/Edit/5
[HttpPost]
public ActionResult Edit(int id, FormCollection collection)
{
    try
    {
        Subject subject = db.Subjects.Find(id);
        subject.SubjectId = Convert.ToInt32(collection["SubjectId"]);
        subject.SubjectName = collection["SubjectName"];
        subject.SubjectTeacherName = collection["SubjectTeacherName"];
        // TODO: Add update logic here

        return RedirectToAction("Index");
    }
    catch
    {
        return View();
    }
}

// GET: Subject/Delete/5
public ActionResult Delete(int id)
{

```



```

        Subject subject = db.Subjects.Find(id);
        SubjectModel model = new SubjectModel();
        model.SubjectId = subject.SubjectId;
        model.SubjectName = subject.SubjectName;
        model.SubjectTeacherName = subject.SubjectTeacherName;
        return View(model);
    }

    // POST: Subject/Delete/5
    [HttpPost]
    public ActionResult Delete(int id, FormCollection collection)
    {
        try
        {
            Subject subject = db.Subjects.Find(id);
            db.Subjects.Remove(subject);
            db.SaveChanges();
            // TODO: Add delete logic here

            return RedirectToAction("Index");
        }
        catch
        {
            return View();
        }
    }
}

```