using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

namespace WebApplication4.Models

{

public class Student

{

public int StudentId { get; set; }

public string Name { get; set; }

public String Batch { get; set; }

public int? Marks { get; set; }

public DateTime? DateOfBirth { get; set; }

}

}

---------------------------------------------------------------------

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using Microsoft.AspNetCore.Http;

using Microsoft.AspNetCore.Mvc;

using WebApplication4.Models;

namespace WebApplication4.Controllers

{

[Route("api/[controller]")]

[ApiController]

public class StudentsController : ControllerBase

{

static List<Student> \_studentList = null;

void Initialize()

{

\_studentList = new List<Student>()

{

new Student() { StudentId=1, Name="Ajay" , Batch="B001", Marks=89, DateOfBirth=Convert.ToDateTime("12/12/2020")},

new Student() { StudentId=2, Name="Deepak" , Batch="B002", Marks=78, DateOfBirth=Convert.ToDateTime("10/06/2020")},

};

}

public StudentsController()

{

if (\_studentList == null)

{

Initialize();

}

}

// GET: api/Students

public IEnumerable<Student> Get()

{

return \_studentList;

}

[HttpGet("{id}")]

public Student Get(int id)

{

Student student = \_studentList.Where(x => x.StudentId == id).FirstOrDefault();

return student;

}

[HttpPost]

public void Post(Student student)

{

if (student != null)

{

\_studentList.Add(student);

}

}

// PUT: api/Students/5

[HttpPut("{id}")]

public void Put(int id, Student objStudent)

{

Student student = \_studentList.Where(x => x.StudentId == id).FirstOrDefault();

if (student != null)

{

foreach (Student temp in \_studentList)

{

if (temp.StudentId == id)

{

temp.Name = objStudent.Name;

temp.DateOfBirth = objStudent.DateOfBirth;

temp.Batch = objStudent.Batch;

temp.Marks = objStudent.Marks;

}

}

}

}

// DELETE: api/Students/5

[HttpDelete("{id}")]

public void Delete(int id)

{

Student student = \_studentList.Where(x => x.StudentId == id).FirstOrDefault();

if (student != null)

{

\_studentList.Remove(student);

}

}

}

}