Lab 5: Basic ASP.NET MVC 5 Application (Part 4)

In this lab, we will make a completed website using ASP.NET MVC 5 architecture knowledge we already learn from class.

Note: you need to make sure all the functions from Lab 2-5 in this submission.

Task 1:

Update course model:

```
public class Course
{
    [DatabaseGenerated(DatabaseGeneratedOption.None)]
    public int CourseID { get; set; }
    public string Title { get; set; }
    public int Credits { get; set; }
    public int DepartmentID { get; set; }
    public virtual Department Department { get; set; }
    public virtual ICollection<Enrollment> Enrollments { get; set; }
    public virtual ICollection<Instructor> Instructors { get; set; }
}
```

Noted: Need to update SchoolContext and SchoolDbInitializer for new model update.

Make change in course page, so it can display like this

Courses

Create New

Number	Title	Credits	Department	
1045	Calculus	4	Mathematics	Edit | Details | Delete
1050	Chemistry	3	Engineering	Edit | Details | Delete
2021	Composition	3	English	Edit | Details | Delete
2042	Literature	4	English	Edit | Details | Delete
3141	Trigonometry	4	Mathematics	Edit | Details | Delete
4022	Microeconomics	3	Economics	Edit | Details | Delete
4041	Macroeconomics	3	Economics	Edit | Details | Delete

Create

Course

Number

| 1000 |

Title

| Algebra |

Credits

| 4 |

Department

| Mathematics ▼ |

| Create |

Back to List

Edit

Course

Number

1000

Title

| Algebra |

Credits

| 4 |

Department

| Mathematics ▼ |

| Save |

Back to List

Notes:

- Detail page similar to last assignment. It will include student who participate on that class.

Task 2:

Create/Edit Instructor controller and its view (List, Edit, Detail, Delete).

Detail Page:

Details

Instructor

LastName	Abercrombie
FirstMidName	Kim
HireDate	11/3/1995 12:00:00 am
Office	Smith 17

Courses Taught by Instructor

Number	Title	Department
2021	Composition	English
2042	Literature	English

Edit page:

Edit

Instructor

Last Name

Abercrombie

First Name

Kim

Hire Date

03/11/1995

Office Location

☐ 1000 Algebra   ☐ 1045 Calculus   ☐ 1050 Chemistry
☑ 2021 Composition   ☑ 2042 Literature   ☐ 3141 Trigonometry
☐ 4022 Microeconomics ☐ 4041 Macroeconomics

Index page

Instructors

Create New

Last Name	First Name	Hire Date	Office				
Abercrombie	Kim	1995-03-11		Select	Edit	Details	Delete
Fakhouri	Fadi	2002-07-06	Smith 17	Select	Edit	Details	Delete
Harui	Roger	1998-07-01	Gowan 27	Select	Edit	Details	Delete
Kapoor	Candace	2001-01-15	Thompson 304	Select	Edit	Details	Delete
Zheng	Roger	2004-02-12		Select	Edit	Details	Delete

Courses Taught by Selected Instructor

	Number	Title	Department
Select	1050	Chemistry	Engineering
Select	3141	Trigonometry	Mathematics

Students Enrolled in Selected Course

Name	Grade
Alexander, Carson	A
Anand, Arturo	No grade
Barzdukas, Gytis	B

When the user selects an instructor, related Course entities are displayed.

When the user selects a course, related Course entities are displayed.

----- End of Lab 5 -----