# Lab 3: Basic ASP.NET MVC 5 Application (Part 2)

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

Adjust your models to have these 3 classes:

```
public class Student
    public int ID { get; set; }
    public string LastName { get; set; }
    public string FirstMidName { get; set; }
    public DateTime EnrollmentDate { get; set; }
    public virtual ICollection<Enrollment> Enrollments { get; set; }
public class Course
    [DatabaseGenerated(DatabaseGeneratedOption.None)]
    public int CourseID { get; set; }
    public string Title { get; set; }
public int Credits { get; set; }
    public virtual ICollection<Enrollment> Enrollments { get; set; }
public enum Grade
   A, B, C, D, F
public class Enrollment
    public int EnrollmentID { get; set; }
    public int CourseID { get; set; }
    public int StudentID { get; set; }
    public Grade? Grade { get; set; }
    public virtual Course Course { get; set; }
    public virtual Student Student { get; set; }
```

You will need Initializer Data for all these 3 models.

For Course list, you need to input your real course

#### Step1:

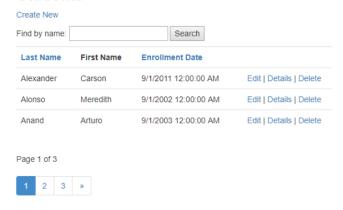
Customize your Detail Page to look like this:



# Step2:

Add sorting. You need to add function to sort your student list, when the user clicks on the header hyperlink.

### Students



### **Step 3:**

### Add Paging:

Each page only displays 3 students. If have more than 3, we will separate them into different pages.

## **Step 4:**

Create Course page with List, Add, Delete, Edit, Details functions

In detail page, allow user to view students of the current course.

---- End of Lab 3 ----