**Assignment 4**

**Team project – 2 students.**

**For this assignment you should do the following:**

1. Create ***ASP.NET Web Application .NET Framework Empty Web Forms.***
2. Use ***Bootstrap 5*** to Design web page Layout (Master page for Member, Instructor, and Administrator pages). Use Bootstrap to create header, footer , and input forms.
3. Create the database.
4. Use **GitHub** - distributed version control (also known as distributed revision control) is a form of version control in which the complete codebase, including its full history, is mirrored on every developer's computer.
5. [20 points]Use **KarateSchool.mdf** database file.
   1. Add 10 Users – Member Type
   2. Add 5 Users – Instructor Type
   3. Add 10 new records to the Member table.
   4. Add 5 new records to the Instructor table.
   5. Add 10 new records to the Section table.

Note: we have only two types of Sections: “Karate Age-Uke” and “Karate Chudan-Uke”.

1. Create Web Application - ***ASP.NET Web Application .NET Framework Empty Web Forms project.***
2. [20 points] Create Login Page. Redirect the user to the Member or Instructor webpages based on the UserType.
3. [20 points] Create Member web page.

The page displays:

* 1. The first and last names of the logged in member.
  2. The GridView control with section name, instructors’ first and last names, payment date, and amount of all payments made by the current member.

1. [20 points] Create Instructor web page.

The page displays:

* 1. The first and last names of the logged in instructor.
  2. The GridView control with section name, members’ first and last names.

1. [50 points] Create Administrator web page.

The page displays:

* 1. The first and last names, phone numbers, and ‘dates joined’ of all members. Use a LINQ query to retrieve the matching table rows and display them in a GridView control.
  2. The first and last names of all instructors. Use a LINQ query to retrieve the matching table rows and display them in a GridView control.
  3. Administrator should be able to do the following:
     1. add a new member or instructor,
     2. delete a member or instructor,
     3. assign a member to a section.

[10 points Use GitHub to share your code between team members.

**Submit:**

1. **[130 points] Submit your project to the Blackboard.**
2. **[10 points] Submit a screenshot of the GitHub history.**
3. **[5 points] Submit a hyperlink to your GitHub location.**