**COMP229 – Advanced Web Application Development**

**Assignment 3**

**ASP.NET Web Forms ADO.NET**

**Due:** 03 November2017 @ 11:59:59 pm

Value 10%

ASP.NET Database Site

**Overview:**

Create an **ASP.NET WebForms site**, naming the project **Comp229-Assign03**. Your site must include a **Home Page** (Landing Page), a **Student Page**, a **Course Enrollment page,** and an **Update page**. You must create your site from scratch (i.e. do not use one of the built-in or downloaded templates), **using the SQL file on eCentennial named Assign03.sql**. Your site must be checked into **GitHub, in a repository accessible at:**

**https://github.com/yourUserName/Comp229-Assign03**

**Late assignments will receive a penalty of 10% per day late, and will not be accepted more than 24 hours late.**

**Instructions:**

1. This ASP.NET site will comprise at least four (4) pages. These pages will display a cohesive design that reflects professionally on a school created by you. You may derive inspiration, but not assets or design, from a real school.
2. You will use a Master Page to contain the branding, and navigation, and **will display each unique page title at the top of the page using an event handler** (hint: Page\_Load).
3. Your **Landing Page** will:
   1. identify the brand.
   2. provide a list of all students’ names from the database.
   3. allow for the addition of new students to the database.
   4. allow a user to click on a student, loading the **Student Page**.
4. Your **Student Page** will:
   1. collect and display personal data about the [selected student](#studentPage) as covered by the SQL database’s Student table.
   2. list the [selected student](#studentPage)’s courses.
      1. Clicking on a course will load that course's **Co****urse Page**.
   3. include an Update link to the **Update** **Page**.
   4. include parameterized SQL queries for all actions.
   5. include a delete button to remove the selected student (and redirect to the home page).
5. The **Course Page** will:
   1. display all students enrolled in the [selected course](#coursePage).
   2. allow for the **removal** and **addition** of a student to the selected course.
6. The **Update Page** will:
   1. load already containing the [selected student](#updatePage)'s data.
   2. allow for changing any data fields.
   3. update changed fields in the database.
7. All files, controls, objects, etc, must be named in a reasoned fashion with a consistent naming convention. Additionally, your project architecture should reflect the best practices discussed in class.

**Submitting your work:**

Your submission will include a runnable project, with all appropriate assets. Submission will be via GitHub. **Do NOT** submit the SQL file with your project.

This assignment is weighted **10%** of your total mark for this course.

Late submissions:

* 10% deducted for each day late.
* Assignments later than one (1) day will not be accepted.

External code (e.g. from the internet or other sources) can be used for student submissions within the following parameters:

1. The code source (i.e. where you got the code and who wrote it) must be cited in your internal documentation.
2. It encompasses a maximum of 10% of your code (any more will be considered cheating).
3. You must understand any code you use and include documentation (comments) around the code that explains its function.
4. You must get written approval from me via email.