**//use the sql that comes with visual studio**

**ASP.Net Project**

2 Oct 2014

Subject: **Web Programming 3**

Entire Project Due: **12th of Dec 2014 at Midnight**

Entire project worth: **80%**

How to submit your project: **Different for each part of the project (see details below)**

Design a website with a topic of your choice. The aim is to work in groups to create this website, to use delegates and events and to secure the website. Your website design skills and your own personal imagination are very important too.

**Part 1: Design (worth 10 marks – Group mark)**

**What do submit:** document (report) outlining the project design + wireframes

**How to submit:** hand it in during class

**When to submit:** Thu, 16 Oct 2014

There are a few compulsory elements to this project, so please keep them in mind:

1. You have to use a database to store data, including user names and passwords to login to the site
2. You have to secure the website using the security measures discussed in class (and others that you find appropriate)
3. You have to use delegates and events (each team member has to implement at least one event)

What to include in your report

1. **Project description**

Write a short description of your project idea (1 page max):

* What is the idea behind the website
* Who are the potential users of your website
* What are the main features of your website

1. **User Interface (UI) design**

Create the layout – wireframe – for your website. When you do so, please ask yourselves:

- Does the UI meet the requirements?

- Are page elements (menu, text boxes, buttons, etc.) placed in a user friendly manner? Is it obvious to the user how to use your website, where to click to access the main features of your site, how to complete forms, etc.?

**Part 2: Database design (worth 10 marks – Group mark)**

**What do submit:** document outlining the ER diagram

**How to submit:** hand it in during class

**When to submit:** Thu, 16 Oct 2014

1. Design the appropriate database for your project. Marks will be deducted if your database design does not support the functionality identified during Part 1.

**Part 3: Implementation (worth 70 marks – Individual mark)**

**What do submit:** application + database file

**How to submit:** upload in Moodle following the link reading SUBMIT PROJECT SEM1

(Can be one application per team or one application per team member)

**When to submit:** Fri, 12 Dec 2014

1. **Create the User Interfaces (UI).** Each team member has his/her own tasks to complete.

**Implement the application** (again remember that each team member has his/her own tasks to complete)**.**

Please find below a description of tasks each team member is required to complete:

* 1. Create the user interfaces and write the code behind them (to perform the tasks agreed with Dana)

[25 marks]

* 1. Use delegates and events

[15 marks]

* 1. Implement security (appropriate to your part of the project)

[20 marks]

1. **Extra effort put into the project.**

Extra marks will be awarded for implementing an outstanding website. Those of you that put the extra effort into the website should be rewarded.

10 marks go for implementations that show extra commitment. For example, those of you that struggled and implemented secure login using shttp (configured IIS server with certificates). Or those of you that implemented security elements not discussed in class. Or those of you that created your own graphics and implemented an outstanding design. Etc. etc. etc.

Bottom line is, if you spend time and struggled to achieve something extra, you will be rewarded for that effort.

[10 marks]

**HOW TO SUBMIT YOUR WORK**

Please zip the project folder (containing your website) and then upload the zip file in Moodle.

Please remember to submit a copy of your database file. The database could be placed in the same project folder as the website, or can be submitted separately.

If you have problems uploading the files in Moodle, please let me know.

**Part 4: Testing somebody else’s work (worth 5 marks – Individual mark)**

**What do submit:** short report outlining feedback + document with final marks and comments

**How to submit:** upload in Moodle following the link reading SUBMIT PROJECT SEM1

**When to submit:** Fri, 9 Jan 2015

It is important to test your own web application as you go along. It is also important to evaluate somebody else’s work and give them feedback.

Each one of you will be asked to test somebody else’s work. We will agree who is testing who’s work.

You have to test somebody else’s application twice:

1. During the week 1st of Dec to 5th of Dec. The goal is to give feedback to whoever you are evaluating and give them the chance to sort out any errors. Please write a short report outlining your findings (your feedback).
2. After the project has been submitted. The goal is to mark the project using the same marking scheme as Dana. Create a document to record the marks and write a few comments to justify your decision.

**Part 5: Final report (worth 5 marks – Individual mark)**

**What do submit:** short report outlining your work on the project

**How to submit:** upload in Moodle following the link reading SUBMIT PROJECT SEM1

**When to submit:** Fri, 12 Dec 2014

Write a short report outlining your work:

* Screenshots of the pages you implemented, and of pages you helped others to implement. If you worked with others to implement parts of the application, please state which part of the work was yours.
* Mention where you used events and delegates.
* List all the extra features you implemented – to help Dana give you credit for the extra effort you put into the project.
* Evaluate your work using the same marking scheme as Dana. Give yourself a mark.