**COMP227 – Advanced Web Applications**

**Assignment 2**

**Business Contact List – Desktop**

Due April 5th, 2014 @ 11:59 PM (MIDNIGHT)

Value 15%

Business Contact List – Desktop & Mobile **Maximum Mark:** **33**

**Overview**: Create an additional page for your profile site that contains a list of business contacts. This page will be a secure area of your website. You will have to provide a username and password to access your contact list. The Contact List and your authentication credentials will exist on a MySQL database. Your website (both Desktop and Mobile versions) will access this database. Your contact list will display correctly across any viewport.

**Instructions :**

This Contact Page must include the following components – a user **login screen** and your Personal **Business Contacts screen**.

**(4 Marks: GUI, 3 Marks: Content, 13 Marks: Functionality, 2 Site Structure, 5 Marks: Internal Documentation, 2 Marks: External Documentation, 4 Marks: Version Control)**

1. In addition to your site’s main **Nav Bar** and **page template components**, your **Login Screen** should include the following components **(1 Mark: GUI, 1 Mark: Content, 7 Marks: Functionality):**
   1. A Form that includes a **username** **field**, a **password** **field** and a **Login** **Button** (1 Mark: GUI, 2 Marks: Functionality).
   2. This page should create a connection to your database (which you will have to create). The database will contain an **admin table** that includes **username** and **password** information that the form will use to validate the user (1 Mark: Content, 3 Marks: Functionality).
   3. If the user is authenticated, he will be taken to the **Business Contacts screen**, otherwise an **Access Denied Alert Dialog** will appear informing the user his username and/or password is incorrect (2 Marks: Functionality).
2. Your **Business Contacts Screen** should include the following components **(3 Marks: GUI, 2 Marks: Content, 6 Marks: Functionality):**
   1. An alphabetically sorted list of users should appear on this page. The connection to the database you created will provide all the data (2 Marks: GUI, 2 Marks: Content, 1 Mark: Functionality).
   2. When the user clicks on a contact name a message will appear providing the contacts information (name, contact numbers, address, etc.) (2 Marks: Functionality).
   3. On the Mobile version of this site, the user will be able to press on the **phone number** associated with the contact that displays in the **Alert Dialog** and make a call to the contact (1 Mark: Functionality).
   4. This page will prevent an unauthorized user from directly accessing it (1 Mark: Functionality).
   5. The **screen** should also include a logout link which will **close the connection** to the database and **logout** the user (1 Mark: GUI, 1 Mark: Functionality)
3. Your site desktop and mobile sites have been redesigned to include a **Business Contacts Link** in the Main Navigation Bar or an appropriate location in the page **(2 Marks: Site Structure).**
4. Include **Internal Documentation** for your site **(5 Marks: Internal Documentation):**
   1. Ensure you include a **comment** **header** for your **html**, **CSS and JavaScript files** that indicate: the **File name**, **Author's name**, **web site name**, **file description** (2 Marks: Internal Documentation).
   2. Ensure you include a **section headers** for all of your **html structure, CSS style sections,** and any **functions** (1 Marks: Internal Documentation)
   3. Ensure all your code uses **contextual variable names** that help make the files human-readable (1 Marks: Internal Documentation).
   4. Ensure you include **inline comments** that describe your GUI Design and Functionality. (1 Marks: Internal Documentation)
5. Update the following sections of your **External Document** from Project 1 **(2 Marks: External Documentation)**:
   1. An **updated** **Nav Bar section** detailing how your Nav Bar looks (image capture) and how it functions (arrows and labels) for both **desktop** and **mobile** versions (1 Mark: External Documentation).
   2. An **updated** **Wireframes Section** that includes a wireframe image and appropriate arrows and labels for each template of your desktop and mobile sites (1 Marks: External Documentation).
6. Share your files on **Github** for this assignment to demonstrate Version Control Best Practices **(4 Marks: Version Control).**
   1. Your repository must include **your code** and be well structured (2 Marks: Version Control).
   2. Your repository must include **commits** that demonstrates the project being updated at different stages of development – each time a major change is implemented (2 Marks: Version Control).

**Optional Site Features (i.e. Potential Bonus Marks).**

1. Include additional pages (both desktop and mobile) to insert, delete and modify **contacts** from the Business Contacts Database.
2. Include additional pages (both desktop and mobile) to insert, delete and modify **users** from the Business Contacts Database.
3. Include additional pages (both desktop and mobile) to **display** **contact information** from the Business Contacts Database.
4. If you created a bonus tablet-specific site for project 1, update this site as appropriate for assignment 3.

**SUBMITTING YOUR WORK**

Your submission should include:

1. An external document (MS Word or PDF).
2. A zip archive of your website’s Project files or a link to GitHub (preferable).

Please zip all files in to a single project archive.



This assignment is weighted **15%** of your total mark for this course.

All Assignments are due at the beginning of class.

Late submissions:

* 10% deducted for each day late.

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.