

## COMP1230 Assignment1 (7%) version 1.0

# Objective:

To create a simple PHP application using a flat file (no database). For this project, you will be creating an application called **CONTACT**. The application is for personal use.

The application allows the user to (no username password needed)

- a) Create a new contact
- b) Modify an existing contact
- c) Delete an existing contact
- d) Search for a contact

# Fields:

A contract must at least have the following fields (you are free to add more if you need)

- \* title
- \* first name
- \* last name
- email
- site
- cell number
- home number
- office number
- twitter URL
- facebook URL
- picture
- comment

\* indicates the field is a mandatory field and must be presented when the form is submitted.

# Operations:

The user must be able to perform the following operations:

1. list contacts (show first, last name, picture and modify and delete links in a table)
2. edit contact by clicking on modify link in the contacts list
3. deleting a contact by clicking on delete link in the contact list (use javascript to confirm the deletion)

4. search for a contact by the first name and/or last name
5. Create a new contact.

## Validation:

- Make sure all mandatory fields are present when adding or modifying a contact.
- In add or edit contact if the form is submitted with invalid input (such as empty field), your program must allow the user to modify the form without losing previously entered inputs.
- On each request after login make sure that user has permission to view and operate on the page. (this means he/she has to login successfully to be able to access the files on admin area)

## Starter code:

The function below generates a unique id for one record. The unique id allows you to easily identify a record to modify or delete or create a relationship between records in different files.

```
<?php
function getID()
{
    $file_name = 'ids';
    if(!file_exists($file_name))
    {
        touch($file_name);
        $handle = fopen($file_name,'r+');
        $id = 0;
    }
    else
    {
        $handle = fopen($file_name,'r+');
        $id = fread($handle,filesize($file_name));
        settype ($id,"integer");
    }
    rewind ($handle);
    fwrite($handle,++$id);

    fclose($handle);
    return $id;
}
```

### Notes:

- You have the option to use Bootstrap, from Twitter at least for back-end  
<http://twitter.github.com/bootstrap/>
- I will post a script latter to be added to all pages to view modification time and PHP code.

### Criteria

- Your assignment will be marked according to how well it meets the following criteria:
  - Originality, being able to explain your code (50%)
  - Overall design 20%
    - User friendly
    - Accessibility
  - Code indentation 10%
  - Code documentation %10 comment
  - Reusability (use of functions) %10
- Please note your assignment must fully work there will be no partial mark.