

# CS4065/ Project Description

## Summer, 2018

### Introduction

This project will be to produce an online dating agency. The basic functionality should allow users to register and describe themselves, as well as browse other users and perform various searches (e.g. list all men over 25 who listed swimming as a hobby).

### Project Overview

Groups have complete freedom over what the website looks like, but it should be aesthetically pleasing and be built using some of the Bootstrap (as covered in the lectures) framework. The ideal functionality is listed below. Items in bold are key terms that you should use in your database, i.e. no matter specialised your website is, users will always have a profile.

The key functionality is as follow:

- Allow users to register and describe themselves in a **profile**. The description should contain traits such as **interests**, **description**, seeking, etc.;
- Allow users to **connect**, by sending a notification to other users that they are interested;
- Allow users to browse other users (e.g. show all users of a particular type, e.g. all male users);
- Allow registered users to perform searches on other users (e.g. list all women over 31 with a particular hobby);
- Suggest potential matches for users. For example, automatically select the users from the site that best match a user (based on the user's interests, etc.) and show these matches when the user logs in;
- There should be a site administrator who can delete or temporarily ban users, remove abusive or offensive vacancy ads and edit all profiles (both organization and user).

To facilitate testing, your website should have at least 30 user profiles and 10 organizations.

It is okay to use material (e.g. images, video, audio) from other sites as long as your final report acknowledges where each item came from.

### Database

A sample database for a generic dating website will be worked through in the third session. You are free to use this unchanged for your website, but, to get maximum marks, you should adapt it. It is perfectly reasonable to use a modified version of this database.

## Deadlines and Deliverables

All reports should be **PDF only**, and should always contain a front page with the following information:

- Group number (which will be given to you in the third session);
- Group name (the name you choose for your website);
- The names and ID numbers of all members.

Details of all the deliverables are available in the Module Guide; if you have any questions about any of these, please don't hesitate to contact Conor.

## Testing the Project

The Module Guide describes the rubric for the final deliverable, but here are some important notes:

- The project is due on August 5<sup>th</sup>;
- Three staff members will test the functionality described in the Project Overview, this will include:
  - Registering as users and creating profiles;
  - Browsing users (without specific search terms);
  - Searching for users (including each other);
  - Observing the automatic suggestions;
  - Connecting to each other;
  - Logging in as site administrator (your final report will need to describe how to do this, see below).
- The demo will be conducted using two different web browsers (we recommend Firefox and Google Chrome, but the group can decide);
- A final report using the headings described below needs to be uploaded to Moodle by August 5th.

### *Final Report Sections*

- Use the following sections
  - Introduction
  - High level functionality
  - Web page mock ups
  - Database tables
  - User testing (how you reacted to the user tests from deliverable 5)
  - Extras (any extra functionality that you added over the initial brief)
  - Administration detail (how can we log on as administrator to your site)
  - Sources (list any items such as images that you took from somewhere, showing the image and the original source)
- In particular, note any deviations from the original design.