**Assignment: Part 1**

**Deadline: 6pm on Friday 14 October 2016: Marks: 10%**

**(Note: This is a deadline, not a target). The institute policy on late submission applies and projects submitted late will have 5% of marks deducted per day.**

**Any questions on this should be asked either in class or through the forum in Moodle.**

**This assignment is part 1; parts 2 and 3 will build on this assignment.**

**==================================================================================**

Create a new Web Application using ASP.NET with Razor.

The application will be a simple one page form designed to take details for people who are joining a dating agency.

The following information must be gathered.

**Information about the new client.**

First Name, Surname, PPSN, Date of Birth, Gender, Height, e-mail address, Password (confirm password), Irish mobile phone number.

**Relationship Status:**

* Choose one of: Never Married, Widowed, Divorced or Separated

**Sports interests of the new client:**

* User can select any or none of hiking, gym training, cycling, dancing, swimming, running, tennis, rugby, winter sports, badminton, GAA or soccer.

**Cultural interests of the new client:**

* User can select any or none of food, fine wine, pop music, rock, classical music, theatre , film, literature, gaming, traditional music, dancing.

None of the above data will be stored anywhere.

There should be a submit button on the form.

When the submit button is pressed a response label will appear which echoes back details of what they filled in. This should mention how many sports and cultural they are interested in, and should list them using a nice layout.

All the information will be retained on the form. (i.e. the text boxes and selections will show what the user ch

**Styling**

An external style sheet must be used for the page. Do not use internal or inline styling. Do not use <br/> and &nbsp to line up elements. Do not use a table to line up elements.

Check that your design works in different size screen.

The easiest way to do this is to use a fixed width layout. However you may want to experiment with responsive design.

**Submission**

For the final deadline you must also include a word document:

This must have your name, class group and student number.

Include a paragraph of two under the following headings.

**Requirements not met**

Explain any aspect of the application which does not work.

**Special Merit**

Explain any aspect of the application which you feel is of special merit.

**Design Decisions**

List each of the controls you used and explain why you chose that control for that input.

To submit please include the word document in your solution folder before you **zip** it. You must use **ZIP** rather than other compression tool.

**Marking Rubric**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Outstanding** |  | **Adequate** |  | **Inadequate** |
| **Design and Style**  **30%** | Page looks professional and appealing.  Styling is done with an external style sheet.  The design makes best use of the screen for mobile, laptop and PC.  The form follows accessibility guidelines. |  | External style sheet used for styling.  Layout is O.K. with input boxes aligned. |  | No external style sheet used.  Poor layout. |
| **Maintainability.**  **30%** | Code is well designed and structured  Comments are done well.  Coding standards are followed  No redundancy in code; or unnecessary code, or CSS.  The CSS is commented and would be easy to maintain. |  | There are some comments.  Naming conventions are followed in some places.  Variables have good names.  The CSS has some comments but could be easier to maintain. |  | Comments are poor or missing.  Naming conventions are not followed.  Variables have poor names  There is repeated and redundant code and/or css. |
| **Error Free Code**  **30%** | All the requirements are met.  All exceptional circumstances are handled.  Code is robust.  Program is reasonably complex |  | Code builds.  Code works properly for most situations.  There are minor issues which are highlighted in documentation. |  | Code does not build.  Obvious bugs in the code which were not documented. |
| **Process and documentation**  **10%** | The word document is submitted and explains what was asked.  The student is able to explain all their code.  The student worked well independently. |  | The word document is submitted and describes some of what was asked. |  | The word document is not submitted. |