**Deadline: 6pm on Friday 12 November 2016 at 18:00**

**Note: This is a deadline, not a target, in line with institute policy late submissions will be subject to a penalty of 5% a day.**

**Marks: 10%**

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

**Take the first version of your assignment.**

* Fix anything which did not work. You can also modify the design if you wish.
* Add the following server side validation.
* First Name, Surname, PPSN, Gender, e-mail address, Password and Password confirmation are required.
* Height should be in cm and must be between 135 cm and 200cm.
* The password must match each other.
* The date of birth must be a valid date.
* The password must contain at least 8 characters.
* The e-mail must be a valid e-mail address.
* The phone number, if present, must be a valid Irish number
* The PPSN must have the correct number of digits and letters.

Please read the accessibility guidelines on “Prevent errors and assist recovery from errors by providing supportive information” here.

http://universaldesign.ie/technology-ict/web-accessibility-techniques/designer-s-introduction-and-index/forms-section-5-of-6-/des-5-2-prevent-errors-and-assist-recovery-from-errors-by-providing-supportive-information.html

**Extra functionality**

If you have the minimum done then you may like to think about extra functionality you could include.

For example you could use media queries to produce a form which works well on mobile.

You could have the PPS number pass the check sum requirement (Google it).

You can put extra restrictions on the password (these must be explained).

**Submission**

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

This must have your name, class group and student number and a page number in a header.

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.

**Changes since Assignment1**

Any changes you have made since Assignment1.

To submit please include the word document in your solution folder before you **zip** it. Your file must be called ***YourNameAss2***and must be uploaded to Moodle on or before the deadline. You must use **ZIP** rather than other compression tool.

**Peer Review**

We will do a peer review exercise in class after you have submitted your work.

**Marking Rubric**

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| --- | --- | --- | --- | --- | --- |
|  | **Outstanding** |  | **Adequate** |  | **Inadequate** |
| **Design and Style**  **15%** | 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.  The validation errors are obvious. |  | No external style sheet used.  Poor layout. |
| **Maintainability.**  **20%** | 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. |  | Comments are poor or missing.  Naming conventions are not followed.  Variables have poor names  Lots of redundant code. |
| **Error Free Code**  **40%** | 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**  **5%** | The word document is submitted and explains what was asked.  The student is able to explain all their code. |  |  |  | The word document is not submitted. |
| **20%** | Peer Review: To be explained. | | | | |