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| **School of Design and Informatics** |

**Assessment Instrument Coversheet**

Session : 2019/20

Module Code: CMP306

Module Title: Dynamic Web Development 2

Unit of Assessment: Unit 2

Lecturer: Dr. G R Lund

Submission Date: 3rd December 2019

Feedback Return Date: Within three weeks after submission in accordance with

Abertay rules.

Feedback Type: Comments on the web site will be made verbally during the demonstration time (2/12/19 10:00 to 13:00) Overall comments including the commentary of the site will be given in MyLearningSpace by the return date.

Grading Criteria See end of specification

Submission Requirements:

**Electronic Copy** You need to submit a URL for your site. Additionally, you must zip up your code plus data and submit the ZIP file.

Late submissions will be penalized according to the current University regulations. If you fail to attend the demonstration you cannot be awarded a grade for this component of the coursework. If the link you submit does not work, then the marker will be unable to grade the commentary element.

**CMP306 Dynamic Web Development 2**

**Unit 2- Portfolio of Work.**

This coursework is worth 50% of the final module grade.

**Overall Criteria.**

You are asked to submit a portfolio of work that shows your skills in the subject area for the module. This will be encapsulated within a web site. Additionally, there is to be a critical evaluation of your work.

**Part One.** You are asked to develop an information site about a topic that you are interested in. You will be asked to have a number of articles that anyone can read and registered users can comment on. You are free to develop the site on any subject matter that you see fit. The site must include the following aspects:

* Based on some HTML5 framework such as Bootstrap
* Hold the site data within a MySQL database.
* Use an API to deliver data to and from the database in JSON or XML format
* Allow for user sessions.
* Provide a secure Login for users.
* Built using an MVC framework.
* Include some live data from an IoT device. (This may refer to data that does not match the site subject matter!)
* IoT data accessible via JQueryMobile.
* Provide an XML feed for some of the data.
* Consume some external RSS feed via XSL.
* Include a REST Web Service.

You will not be given credit for the style (CSS) of the site other than it must be competent. A minimal competent site will use the basic style used within the Bootstrap HTML5 Framework.

Completion of the site will be marked during the demonstration on Monday 2nd December 2019. It will be worth 50% of the coursework grade.

**Part Two.** You are asked to include a critical appraisal of the work carried out during the practical sessions during 12 teaching weeks of the module. Full details of the exact items you are asked to comment on will be given in the weekly tutorial and practical sheets available on MyLearningSpace. This critical appraisal should be obvious from a link in your web site. Each week the critical appraisal will be around 400 words.

This aspect of the coursework is worth 50% of the total coursework grade.

**Submission.**

1. Submit the URL for your web site that must be visible to the lecturer and moderator inside and outside Abertay.
2. Submit a zipped copy of your site. Include here the exported data from your database.

Criteria for assessment

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| Literal Grade | Grade Point | Evaluative Descriptor | This Assessment |
| A+ | 4.5 | Excellent overall.   * Demonstrates an excellent grasp of the subject matter. * Excellent capacity for original and creative enquiry. * Excellent ability to critically evaluate, analyse, synthesise and integrate complex information. * Excellent communication skills.   In addition, exceptional in at least one of the above. | Excellent Overall  All the elements of Grade A  There is a significant part of the work that is exceptional. This can be in the way the whole site is written or integrated. It will be a significant structural element and NOT stylistic (i.e. not CSS) |
| A | 4.0 | Excellent overall.   * Demonstrates an excellent grasp of the subject matter. * Excellent capacity for original and creative enquiry. * Excellent ability to critically evaluate, analyse, synthesise and integrate complex information.   Excellent communication skills. | All elements required are included in the site.  The site is built showing an excellent understanding of dynamic web development.  The appraisal elements of the site are critical of the work carried out and not just descriptive. |
| B+ | 3.5 | Very good overall.   * Demonstrates a very good grasp of the subject matter. * Very good capacity for original and creative enquiry. * Very good ability to critically evaluate, analyse, synthesise and integrate complex information. * Very good communication skills.   In addition, excellent in at least one of the above but overall performance deemed to be very good. | Very good overall.  All the elements required for a Grade B  PLUS  Some aspects of Grade A but overall falling short of all elements in grade A |
| B | 3.0 | Very good overall.   * Demonstrates a very good grasp of the subject matter. * Very good capacity for original and creative enquiry. * Very good ability to critically evaluate, analyse, synthesise and integrate complex information.   Very good communication skills. | All elements required are included in the site.  The site is built showing a very good understanding of dynamic web development. The individual elements may lack cohesion.  The appraisal elements of the site are mostly critical of the work carried out and not just descriptive. |
| C+ | 2.5 | Good overall.   * Demonstrates a good grasp of the subject matter. * Good capacity for original and creative enquiry. * Good ability to critically evaluate, analyse, synthesise and integrate complex information. * Good communication skills   In addition, very good in at least one of the above but overall performance deemed to be good. | Good overall.  All the elements required for a Grade C  PLUS  Some aspects of Grade B but overall falling short of all elements in grade B |
| C | 2.0 | Good overall.   * Demonstrates a good grasp of the subject matter. * Good capacity for original and creative enquiry. * Good ability to critically evaluate, analyse, synthesise and integrate complex information.   Good communication skills | At least 10/12 of the required elements are included. At least 8/12 are satisfactory.  The site is built showing a good understanding of dynamic web development. The individual elements may lack cohesion or may be limited in implementation  The appraisal elements of the site include some critical element but are mostly descriptive. |
| D+ | 1.5 | Satisfactory overall.   * Demonstrates a satisfactory grasp of the subject matter but limited grasp in some areas * Satisfactory capacity for original and creative enquiry. * Satisfactory ability to critically evaluate, analyse, synthesise and integrate information.   Satisfactory communication skills | Satisfactory overall.  All the elements required for a Grade D  PLUS  Some aspects of Grade C but overall falling short of all elements in grade C |
| D | 1.0 | Adequate.  Achievement of all threshold standards but grasp of some subject areas and graduate attribute development may be more limited. | At least 8/12 of the required elements are included. At least 6/12 are satisfactory.  The site is built showing some understanding of dynamic web development. The individual elements may lack cohesion or may be limited in implementation  The appraisal elements of the site are often descriptive and lack critical elements. |
| MF | 0.5 | Marginal fail.  Performance just below the threshold standard. A reasonable expectation that a pass is achievable by reassessment without the need to repeat the module. | At least 6/12 of the required elements are included. At least 4/12 are satisfactory.  The site is built showing some understanding of dynamic web development. The individual elements may be limited in implementation  The appraisal elements of the site are descriptive and lack critical elements but do exist. |
| F | 0.0 | are | Fewer than 6/12 of the required elements are included and fewer than 4/12 are satisfactory.  The site shows no  understanding of dynamic web development.  The appraisal elements of the site are mostly missing. |
| NS | 0.0 | No assessments submitted |  |