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**Faculty of Engineering, Environment and Computing**

##### 5011CEM Big Data Programming Project

**Assignment Brief**

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| Module Title  Big Data Programming Project | Individual | | Cohort  1920JanMay | Module Code  5011CEM |
| Coursework Title (e.g. CWK1)  Portfolio 1 of 1 | | | | Hand out date:  20/01/20 |
| Lecturers:  Richard Hyde: ad2105@coventry.ac.uk  Norlaily Yaacob: csx214@coventry.ac.uk  Mark Johnston: ad4039@coventry.ac.uk | | | | Due date and time:  Moodle: 24/04/20 at 17:00  Physical: n/a |
| Estimated Time (hrs):  Word Limit\*: n/a | | Coursework type:  Portfolio | | % of Module Mark  33% |
| Submission arrangement online via CUMoodle:  File types and method of recording:  Mark and Feedback date : 13/05/20  Mark and Feedback method (e.g. in lecture, written via Gradebook): | | | | |

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| Module Learning Outcomes Assessed:  This module helps students achieve the Course Learning Outcomes B1, B2, B4, B6, B7 and B8.  B6: PROFESSIONAL PRACTICE: understand professional practices of the modern IT industry which include those technical (e.g. version control / automated testing) but also social, ethical & legal responsibilities.  B7: TRANSFERABLE SKILLS: apply a wide variety of degree level transferable skills including time management, team working, written and verbal presentation to both experts and non-experts, and  critical reflection on own and others work. |
| The portfolio allows you to demonstrate good professional practice.  Your portfolio should show evidence of:   1. Project planning and control, including updating your project plan 2. Agile processes (i.e. regular SCRUM ‘meetings’, evidence of sprint planning, sprint review and sprint retrospective). (While this is not a team project, you can still show evidence of sprint type planning for yourself) 3. Version control – use version control on your code and record the short descriptions here.   Evidence for this assessment can be provided in various ways, e.g.:   * Gantt charts * Minutes or notes from meetings * Versions control list with notes & descriptions * Github repository * Evidence of automated testing within your code, indicate the process or relevant lines of code * etc   This assessment is graded out of 100, and contributes 33% of the module grade. |
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| Notes:   1. You are expected to use the [Coventry University Harvard Referencing Style](https://curve.coventry.ac.uk/open/file/bdfb947c-9d43-48d3-8ec8-f511682e1dd1/1/The%20CU%20Guide%20to%20Referencing%20in%20Harvard%20Style.pdf). For support and advice on this students can contact [Centre for Academic Writing (CAW)](http://www.coventry.ac.uk/study-at-coventry/student-support/academic-support/centre-for-academic-writing/?theme=main). 2. Please notify your registry course support team and module leader for disability support. 3. Any student requiring an extension or deferral should follow the university process as outlined [here](https://share.coventry.ac.uk/students/Registry/Pages/Deferrals-and-Extension.aspx). 4. The University cannot take responsibility for any coursework lost or corrupted on disks, laptops or personal computer. Students should therefore regularly back-up any work and are advised to save it on the University system. 5. If there are technical or performance issues that prevent students submitting coursework through the online coursework submission system on the day of a coursework deadline, an appropriate extension to the coursework submission deadline will be agreed. This extension will normally be 24 hours or the next working day if the deadline falls on a Friday or over the weekend period. This will be communicated via your Module Leader. 6. Assignments that are more than 10% over the word limit will result in a deduction of 10% of the mark i.e. a mark of 60% will lead to a reduction of 6% to 54%. The word limit includes quotations, but excludes the bibliography, reference list and tables. 7. You are encouraged to check the originality of your work by using the draft Turnitin links on your Moodle Web. 8. Collusion between students (where sections of your work are similar to the work submitted by other students in this or previous module cohorts) is taken extremely seriously and will be reported to the academic conduct panel. This applies to both courseworks and exam answers. 9. A marked difference between your writing style, knowledge and skill level demonstrated in class discussion, any test conditions and that demonstrated in a coursework assignment may result in you having to undertake a Viva Voce in order to prove the coursework assignment is entirely your own work. 10. If you make use of the services of a proof reader in your work you must keep your original version and make it available as a demonstration of your written efforts. 11. You must not submit work for assessment that you have already submitted (partially or in full), either for your current course or for another qualification of this university, unless this is specifically provided for in your assignment brief or specific course or module information. Where earlier work by you is citable, ie. it has already been published/submitted, you must reference it clearly. Identical pieces of work submitted concurrently will also be considered to be self-plagiarism. |

**Mark allocation guidelines to students (to be edited by staff per assessment)**

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|  | 0-39 | 40-49 | 50-59 | 60-69 | 70+ | 80+ |
| Project Management  (25%) | Little evidence of | Some evidence, but inconsistent throughout the project | Some evidence, but patchy and little used | Evidence of use throughout the project, but minimal details | Good evidence of use, some detail, consistent throughout the project | Excellent, detailed evidence of consistent use throughout the project |
| Time management  (25%) | Little evidence | Some evidence, but inconsistent throughout the project | Some evidence, but patchy and little used | Evidence of use throughout the project, but minimal details | Good evidence of use, some detail, consistent throughout the project | Excellent, detailed evidence of consistent use throughout the project |
| Version control  (25%) | Little evidence | Some evidence, but inconsistent throughout the project | Some evidence, but patchy and little used | Evidence of use throughout the project, but minimal details | Good evidence of use, some detail, consistent throughout the project | Excellent, detailed evidence of consistent use throughout the project |
| Automated testing  (25%) | Little evidence | Some evidence, but inconsistent throughout the project | Some evidence, but patchy and little used | Evidence of use throughout the project, but minimal details | Good evidence of use, some detail, consistent throughout the project | Excellent, detailed evidence of consistent use throughout the project |