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| **WMG Undergraduate Mark Sheet WM164 Assignment 2023/24** |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |
| **Student ID HERE Mark Sheet for CW and weighting of CW 60%** | **Mark** | **HERE** |  | **Marker** | |  | | | |  |  |  | | |  |

| **Apprenticeship Standard KSB** | **Intended Learning Outcome or Evaluative Criteria** | **Comments** | **100%** | **94%** | **88%** | **82%** | **78%** | **74%** | **68%** | **65%** | **62%** | **58%** | **55%** | **52%** | **48%** | **45%** | **42%** | **38%** | **32%** | **25%** | **12%** | **0%** |
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| Exceptional 1st | | High 1st | Upper Mid 1st | Lower Mid 1st | Low 1st | High 2:1 | Mid 2:1 | Low 2:1 | High 2:2 | Mid 2:2 | Low 2:2 | High 3rd | Mid 3rd | Low 3rd | Fail | | Low Fail | | Fail |
| ***Standard ST0119***  Software Engineer  K21, K22  Skills  S4, S10 | **LO4:**  Describe underlying theories of object-oriented programming, and how these are applied at different stages of software development | It weighs 20%. | Exceptional work of the highest quality, demonstrating excellent knowledge and understanding, analysis, organisation, accuracy, relevance, presentation, and appropriate skills.  Excellent use of the OOP principles and excellent use of libraries not explicitly taught during the module. | | Very high-quality work demonstrating excellent knowledge and understanding, analysis, organisation, accuracy, relevance, presen-tation and appropriate skills.  Good use of OOP principles, and proper use of different advanced language features. | | | | High quality work demonstrating good knowledge and understanding, analysis, organisation, accuracy, relevance, presentation and appropriate skills.  Good use of both class and instance variables/methods. Evidence of inheritance, overloading, and overriding. | | | Competent work, demonstrating reasonable knowledge and under-standing, some analysis, organisation, accuracy, relevance, presentation and appropriate skills.  The software is partially functional, or some principles of OOP are not demonstrated. | | | Work of limited quality, demonstrating some relevant knowledge and understanding.  Little evidence of understanding of OOP. | | | Work does not meet standards required for the Level 6 of an Honours degree.  There is evidence of study and some basic understanding of relevant concepts and techniques, but subject to significant omissions and errors (**38**)  Work is significantly below the standard required for Level 6 of an Honours degree. Some evidence of study and some knowledge and evidence of under-standing but subject to very serious omissions and errors (**32**) | | Poor quality work well below the standards required for the Level 6 of an Honours degree. | | Work of no merit OR Absent, work not submitted, penalty in some misconduct cases |
| ***Standard ST0119***  Knowledge  K5 | **LO5:**  Describe underlying theories of version controls systems | It weighs 20%. | Exceptional work of the highest quality, demonstrating excellent knowledge and understanding, analysis, organisation, accuracy, relevance, presentation, and appropriate skills.  Exceptional use of advanced version control features not explicitly taught during the module. | | Very high-quality work demonstrating excellent knowledge and understanding, analysis, organisation, accuracy, relevance, presen-tation and appropriate skills.  Regular commits over an extensive period, with clear and meaningful commit messages. | | | | High quality work demonstrating good knowledge and understanding, analysis, organisation, accuracy, relevance, presentation and appropriate skills.  Regular commits over an extensive period, however, commit messages are not easily understandable. | | | Competent work, demonstrating reasonable knowledge and under-standing, some analysis, organisation, accuracy, relevance, presentation and appropriate skills.  A limited number of commits at irregular time intervals. | | | Work of limited quality, demonstrating some relevant knowledge and understanding.  A limited number of commits, and unclear commit messages. | | | *Same as in the cell above* | | *Same as in the cell above*. | | *Same as in the cell above*. |
| ***Standard ST0119***  Software Engineer  K25 | **LO6:**  Describe factors affecting software quality and approaches for how to control them including code quality and standards. | It weighs 20%. | Exceptional work of the highest quality, demonstrating excellent knowledge and understanding, analysis, organisation, accuracy, relevance, presentation, and appropriate skills.  Advanced language features are used to optimize code performance. | | Very high-quality work demonstrating excellent knowledge and understanding, analysis, organisation, accuracy, relevance, presen-tation and appropriate skills.  Documentation follows the PEP-8 and docstring convention. | | | | High quality work demonstrating good knowledge and understanding, analysis, organisation, accuracy, relevance, presentation and appropriate skills.  Variables/methods/classes are named properly and consistently. | | | Competent work, demonstrating reasonable knowledge and understanding, some analysis, organisation, accuracy, relevance, presentation and appropriate skills.  Some understanding of convention, coding style, and programme structure. However, the code presents some major issues in these aspects. | | | Work of limited quality, demonstrating some relevant knowledge and understanding.  Limited understanding of convention, coding style, or programme structure. | | | *Same as in the cell above* | | *Same as in the cell above*. | | *Same as in the cell above*. |
| ***Standard ST0119***  Data Analyst  K55  Skills  S4, S10 | **LO7:**  Describe the basic principles of coding, testing and debugging software for data analysis involving different data formats. | It weighs 20%. | Exceptional work of the highest quality, demonstrating excellent knowledge and understanding, analysis, organisation, accuracy, relevance, presentation, and appropriate skills.  Tests are very well designed, all major methods are tested. | | Very high-quality work demonstrating excellent knowledge and understanding, analysis, organisation, accuracy, relevance, presen-tation and appropriate skills.  The source code is very well designed, and the logic behind the program structure and flow is very easy to follow. | | | | High quality work demonstrating good knowledge and understanding, analysis, organisation, accuracy, relevance, presentation and appropriate skills.  Good design of souse code suitable for the type of data being handled. | | | Competent work, demonstrating reasonable knowledge and under-standing, some analysis, organisation, accuracy, relevance, presentation and appropriate skills.  The underlying data structure is considered when designing the code. However, the source code does not follow the data structure well. | | | Work of limited quality, demonstrating some relevant knowledge and understanding.  Some attempts at considering the data structure when designing the source code, however, the work contains apparent errors. | | | *Same as in the cell above* | | *Same as in the cell above*. | | *Same as in the cell above*. |
| ***Standard ST0119***  Knowledge  K5  Software Engineer  K21, K22, K25  Data Analyst  K55  Skills  S4, S10 | **LO4/5/6/7** | This relates to report writing, and it weighs 20%. | Exceptional work of the highest quality, demonstrating excellent knowledge and understanding, analysis, organisation, accuracy, relevance, presentation, and appropriate skills. | | Very high-quality work demonstrating excellent knowledge and understanding, analysis, organisation, accuracy, relevance, presen-tation and appropriate skills.  Covers different aspects of the project, with thorough discussions and appealing visual presentation. | | | | High quality work demonstrating good knowledge and understanding, analysis, organisation, accuracy, relevance, presentation and appropriate skills.  The report is clearly structured and well written with few mistakes. | | | Competent work, demonstrating reasonable knowledge and under-standing, some analysis, organisation, accuracy, relevance, presentation and appropriate skills.  The report makes use of illustrations and references, however, it contains some errors. | | | Work of limited quality, demonstrating some relevant knowledge and understanding. | | |  | |  | |  |

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| **What went well What could be improved and how *Marker additional comments*** |
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| **Student reflections and forward planning *Space for students to write reflections on their work and note action plans*** |  |
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