**­Section: Programming (Advocate: Manish Gadhvi)**

**P1 Provide a definition of what an algorithm is and outline the process in building an application.**

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| <https://github.com/kin14270476/Glossary#algorithm> |
| This link goes directly to my algorithm section of my glossary which is located on my GitHub account which gives a definition of what a algorithm is and the steps in building an application. |

**P2 Give explanations of what procedural, object orientated and event driven paradigms are; their characteristics and the relationship between them.**

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| <https://github.com/kin14270476/Glossary#programing-paradigms> |
| This link goes directly to my programming paradigms section of my glossary which is located on my GitHub account which gives a definition on procedural, object orientated and event driven paradigms and how to relate to each other. |

**P3 Write a program that implements an algorithm using an IDE.**

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| <https://github.com/kin14270476/higher-or-lower/blob/master/codeV2.cpp>  <https://github.com/kin14270476/higher-or-lower/blob/master/flowchart2.pdf>  <https://github.com/kin14270476/higher-or-lower/blob/master/documentation.md#programming-languageenviroment> |
| The first link goes directly to my code of my higher or lower game which is program that implements the algorithm of flowchart which is in second link. The third link shows what IDE was used to create programme. |

**P4 Explain the debugging process and explain the debugging facilities available in the IDE.**

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| <https://github.com/kin14270476/Glossary/blob/master/README.md#debugging> |
| This link goes directly to my debugging section of my glossary which is located on my GitHub account which gives the process of a debugger and the common debugging tools found in a IDE. |

**P5 Outline the coding standard you have used in your code.**

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| <https://github.com/kin14270476/higher-or-lower/blob/master/documentation.md#coding-standards> |
| The first link goes directly to my coding standards section in my documentation for the game of higher or lower. |

**M1 Determine the steps taken from writing code to execution.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**M2 Analyse the common features that a developer has access to in an IDE.**

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**M3 Use the IDE to manage the development process of the program.**

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**M4 Evaluate how the debugging process can be used to help develop more secure, robust applications.**

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**D1 Examine the implementation of an algorithm in a suitable language. Evaluate the relationship between the written algorithm and the code variant.**

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| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**D2 Critically evaluate the source code of an application which implements the programming paradigms, in terms of the code structure and characteristics.**

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| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**D3 Evaluate the use of an IDE for development of applications contrasted with not using an IDE.**

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| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**D4 Critically evaluate why a coding standard is necessary in a team as well as for the individual.**

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| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |