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

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

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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  <https://github.com/s-j-pearce/Glossary-of-Tech-Terms/blob/master/README.md#algorithm>  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#flow-chart>  <https://github.com/s-j-pearce/HND-VG-PROJECT-2#flow-chart>  <https://github.com/s-j-pearce/HND-VG-PROJECT-3#flow-chart> |
| 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 |

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

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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  <https://github.com/s-j-pearce/Glossary-of-Tech-Terms/blob/master/README.md#procedural>  <https://github.com/s-j-pearce/Glossary-of-Tech-Terms/blob/master/README.md#some-common-paradigms> |
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**Write a program that implements an algorithm using an IDE.**

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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  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#flow-chart>  <https://github.com/s-j-pearce/HND-VG-PROJECT-2#flow-chart>  <https://github.com/s-j-pearce/HND-VG-PROJECT-3#flow-chart>  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#ide-used-and-features> |
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**Explain the debugging process and explain the debugging facilities available in the IDE.**

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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  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#debugging-process>  <https://github.com/s-j-pearce/Glossary-of-Tech-Terms/blob/master/README.md#debugging> |
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**Outline the coding standard you have used in your code.**

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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  <https://github.com/s-j-pearce/Glossary-of-Tech-Terms/blob/master/README.md#coding-standards>  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#coding-standards> |
| 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 |

**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  <https://github.com/s-j-pearce/Glossary-of-Tech-Terms/blob/master/README.md#programming-steps> |
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**Analyse the common features that a developer has access to in an IDE.**

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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  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#ide-used-and-features> |
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**Use the IDE to manage the development process of the program.**

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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  <https://github.com/s-j-pearce/HND-VG-ZSL-AMAZING-ANIMAL-RESCUE#iii-scheduleplan>  <https://github.com/s-j-pearce/HND-VG-ZSL-AMAZING-ANIMAL-RESCUE#vi-adapting-to-feedback> |
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**Evaluate how the debugging process can be used to help develop more secure, robust applications.**

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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  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#debugging-process> |
| 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 |

**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 use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/s-j-pearce/Glossary-of-Tech-Terms/blob/master/README.md> |
| 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 |

**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 use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#evaluation>  <https://github.com/s-j-pearce/HND-VG-ZSL-AMAZING-ANIMAL-RESCUE#x-review> |
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**Evaluate the use of an IDE for development of applications contrasted with not using an IDE.**

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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  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#ide-used-and-features>  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#debugging-process> |
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**Critically evaluate why a coding standard is necessary in a team as well as for the individual.**

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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  <https://github.com/s-j-pearce/HND-VG-PROJECT-1#coding-standards> |
| 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 |