**ProgrammingClass Assignment: PigWorld**

***(Weighting: 40%) - Marking Criteria***

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| **Criteria / Objective** | **Performance Level** | | | | | **Mark** |
| **7** | **6 - 5** | **4** | **3 - 2** | **1** |
| **You have applied the concepts ofINB270/INN270 Programmingso that:** | | | | | |
| **Implementation** |  | | | | | |
| **Functionality& Appearance of PigWorld**  Implements the functionality of the assignment according to various documents.  NOTE: If a submission is not a Visual StudioProject OR does not compile, you will achieve 0 marks for this criteria  Student’s responsibility to ensure that the VS Project folder is complete and its content is not corrupted. | **Tasks 1 to 6** | | | | | |
| * The *GUI* of PigWorldmatches the specification | * The *GUI* of PigWorldmatches the specification, apart from one or two items | * The *GUI* of PigWorldmatches about half of the specification. | * The *GUI* of PigWorldmatches less than half of the specification. | * The *GUI* of PigWorldmatches very little of the specification, or is not implemented. |  |
| 12marks | 11 -8marks | 7 - 6marks | 5 - 3 marks | 2 - 0 marks | **/12** |
| Comments: | | | | | |
| **Task 7** | | | | | |
| * The *functionality*of each Tree is according to specification, with no errors | * The *functionality*of each Tree is according to specification, with one or two errors | * The *functionality*of each Tree is about half of the specification | * The *functionality*of each Tree is less than half of the specification | * The *functionality*of each Tree provides little or none of the specification |  |
| 2 marks | 1.5 marks | 1 mark | 0.5 marks | 0 marks | **/2** |
| Comments: | | | | | |
| **Task 8** | | | | | |
| * The *functionality*of eachWolf is according to specification, with no errors | * The *functionality*of eachWolf is according to specification, with one or two errors | * The *functionality*of eachWolf is about half of the specification | * The *functionality*of eachWolf is less than half of the specification | * The *functionality*of eachWolf provides little or none of the specification |  |
| 3marks | 2marks | 1.5marks | 1 mark | 0 marks | **/3** |
| Comments: | | | | | |

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|  | **Tasks 9 to 14** | | | | | |
| * The *functionality*of eachPig is according to specification, with no errors | * The *functionality*of eachPig is according to specification, with one or two errors | * The *functionality*of eachPig is about half of the specification | * The *functionality*of eachPig is less than half of the specification | * The *functionality*of eachPig provides little or none of the specification |  |
| 11marks | 10 - 8marks | 7 - 6marks | 5 - 3marks | 2 - 0 marks | **/11** |
| Comments: | | | | | |
| **Task 15** | | | | | |
| * The *functionality*of eachPig with Rope is according to specification, with no errors | * The *functionality*of eachPig with Rope is according to specification, with one or two errors | * The *functionality*of eachPig with Rope is about half of the specification | * The *functionality*of eachPig with Rope is less than half of the specification | * The *functionality*of eachPig with Rope provides little or none of the specification |  |
| 4marks | 3marks | 2marks | 1 mark | 0 marks | **/4** |
| Comments: | | | | | |
| **Total marks for Functionality& Appearance /32** | | | | | |

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| **Criteria / Objective** | **Achievement Level** | | | | | **Mark** |
| **7** | **6** | **5 - 4** | **3 - 2** | **1** |
| **Implementation cont’d** |  | | | | |  |
| **Code Readability, Quality, Comments and Statement of Completeness**  How the code has been written with regard to **C# Coding Style Guide**.  The readability and quality of method comments which include pre and post conditions for any new methods that you have created. Including in-line comments where required.  Code is well structured. | * conforms 100% to the style guide * is well commented with comments for each class, method and instance variable where appropriate * has pre and post conditions for any new methods you’ve created * has good in-line commenting * code is well structured in all classes | * conforms to the aspects of the guide, but has slight inconsistencies * has good commenting including comments for every class, method and instance variable where appropriate * has some in-line commenting * has 1 instance of repetitive blocks of code | * has some inconsistencies and/or a problem with one code quality issue * has reasonable commenting including comments for most classes and methods * has a very small amount of in-line commenting * has 2 or 3 instances of repetitive blocks of code | * has some inconsistencies and/or problems with two code quality issues * has poor commenting including comments for some classes and methods * has no in-line comments * code is poorly structured in all classes | * has many inconsistencies and problems with more than two code quality issues * has poor commenting for all classes and methods * has no pre and post conditions for any new methods you’ve created   OR   * has no comments at all(0 marks) | **/5** |
| 5 marks | 4 marks | 3 marks | 2 marks | 1 - 0 marks |
| Comments: | | | | | |

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| **Criteria / Objective** | **Achievement Level** | | | | | **Mark** |
| **7** | **6** | **5 - 4** | **3 - 2** | **1** |
| **Implementation cont’d** |  | | | | | |
| **Statement of Completeness**  Statement of Completeness(SoC) has   * Members’ contribution * List of non-implemented tasks * Known Problems/Errors stated. | * SoC 100% satisfactory | * SoC 75% satisfactory | * SoC 50% satisfactory | * SoC hardly satisfactory | * SoC poorly written not satisfactory   or   * No SoC | **/3** |
| 3marks | 2marks | 1.5 marks | 1mark | 0 mark |
| Comments: | | | | | |
| **Total mark** | | | | | | **/40** |