# **ID630151: Introduction to Algorithmic Problem Solving**

# **Portfolio Assessment Rubric**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **10-9** | **8-7** | **6-5** | **4-0** |
| **Functionality** | Portfolio contains comprehensive & robust evidence on the following:   * Opens & runs in Unity without file structure & code modification. * Specified assessment & advanced assessment tasks. | Application contains clear & detailed evidence of functionality on the following:   * Opens & runs in Unity without file structure & code modification. * Specified assessment & advanced assessment tasks. | Application contains evidence on the following:   * Opens & runs in Unity without file structure & code modification. * Specified assessment & advanced assessment tasks. | Application does not, or does not fully contain evidence on the following:   * Opens & runs in Unity without file structure & code modification. * Specified assessment & advanced assessment tasks. |
| **Code Elegance** | Application code thoroughly demonstrates code elegance on the following:   * Intermediate variables. * Idiomatic use of control flow, data structures & other in-built functions. * Efficient algorithmic approach. * Sufficient modularity. * Adhere to an OO architecture, i.e., classes, functions, concise naming & functions assigned to the correct classes. * File header & in-line comments. * Formatted script files. * No dead or unused code. | Application code clearly demonstrates code elegance on the following:   * Intermediate variables. * Idiomatic use of control flow, data structures & other in-built functions. * Efficient algorithmic approach. * Sufficient modularity. * Adhere to an OO architecture, i.e., classes, functions, concise naming & functions assigned to the correct classes. * File header & in-line comments. * Formatted script files. * No dead or unused code. | Application code demonstrates code elegance on the following:   * Intermediate variables. * Idiomatic use of control flow, data structures & other in-built functions. * Efficient algorithmic approach. * Sufficient modularity. * Adhere to an OO architecture, i.e., classes, functions, concise naming & functions assigned to the correct classes. * File header & in-line comments. * Formatted script files. * No dead or unused code. | Application code does not or does not fully demonstrate code elegance on the following:   * Intermediate variables. * Idiomatic use of control flow, data structures & other in-built functions. * Efficient algorithmic approach. * Sufficient modularity. * Adhere to an OO architecture, i.e., classes, functions, concise naming & functions assigned to the correct classes. * File header & in-line comments. * Formatted script files. * No dead or unused code. |
| **Documentation & Git Usage** | README file contains comprehensive evidence of:   * URLs to resources used to build your games.   Git commit messages comprehensively formatted & reflect the feature changes in concise detail. | README file contains clear evidence of:   * URLs to resources used to build your games.   Git commit messages clearly formatted & reflect the feature changes in substantial detail. | README file contains evidence of:   * URLs to resources used to build your games.   Git commit messages formatted & reflect the feature changes in detail. | README file does not or does not fully contain evidence of:   * URLs to resources used to build your games.   Git commit messages do not or do not fully formatted & reflect the feature changes. |

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# **Portfolio Assessment Marking Cover Sheet**

Name:

Date:

Learner ID:

Assessor’s Name:

Assessor’s Signature:

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **Out Of** | **Weighting** | **Final Result** |
| Functionality | 10 | 70 |  |
| Code Elegance | 10 | 20 |  |
| Documentation & Git/GitHub Usage | 10 | 10 |  |
| **Final Result** | | | /100 |
| **This assessment is worth 100% of the final mark for the Introduction to Algorithmic Problem Solving course.** | | | |

**Feedback:**

**Functionality:**

**Code Elegance:**

**Documentation & Git Usage:**