ID511001: Programming 2

Project 2: Space Invaders Marking Rubric

	10-9	8-7	6-5	4-0
Functionality	The Space Invaders application contains comprehensive and robust evidence on the following functionality: No code/file structure modification, game driven by one timer, mother ship, mother ship missile, enemy ship, enemy ship bombs, scoring system, double buffering, high score system, sound and game states.	The Space Invaders application contains clear and detailed evidence on the following functionality: No code/file structure modification, game driven by one timer, mother ship, mother ship missile, enemy ship, enemy ship bombs, scoring system, double buffering, high score system, sound and game states.	The Space Invaders application contains evidence on the following functionality: No code/file structure modification, game driven by one timer, mother ship, mother ship missile, enemy ship, enemy ship bombs, scoring system, double buffering, high score system, sound and game states.	The Space Invaders application does not or does not fully contain evidence on the following functionality: No code/file structure modification, game driven by one timer, mother ship, mother ship missile, enemy ship, enemy ship bombs, scoring system, double buffering, high score system, sound and game states.
Code Elegance	The Space Invaders application demonstrates comprehensive evidence on the following: • Use of OO principles, i.e., encapsulation, abstraction, inheritance and polymorphism. • Use of intermediate variables, constants and enumerations. • Idiomatic use of control flow, data structures and in-built functions. • Efficient algorithmic approach. • Sufficient modularity. • Commenting and formatting. • No dead or unused code.	The Space Invaders application demonstrates clear evidence on the following: • Use of OO principles, i.e., encapsulation, abstraction, inheritance and polymorphism. • Use of intermediate variables, constants and enumerations. • Idiomatic use of control flow, data structures and in-built functions. • Efficient algorithmic approach. • Sufficient modularity. • Commenting and formatting. • No dead or unused code.	The Space Invaders application demonstrates evidence on the following: • Use of OO principles, i.e., encapsulation, abstraction, inheritance and polymorphism. • Use of intermediate variables, constants and enumerations. • Idiomatic use of control flow, data structures and in-built functions. • Efficient algorithmic approach. • Sufficient modularity. • Commenting and formatting. • No dead or unused code.	The Space Invaders application does not or does not fully demonstrate evidence on the following: • Use of OO principles, i.e., encapsulation, abstraction, inheritance and polymorphism. • Use of intermediate variables, constants and enumerations. • Idiomatic use of control flow, data structures and in-built functions. • Efficient algorithmic approach. • Sufficient modularity. • Commenting and formatting. • No dead or unused code.

Documentation & Git Usage	README file contains comprehensive evidence on the following: • The Pong application's UML diagram. • References to used code snippets. • Known bugs if applicable. Git commit messages comprehensively reflect the changes in concise detail.	README file contains clear evidence of: • The Pong application's UML diagram. • References to used code snippets. • Known bugs if applicable. Git commit messages clearly reflect the changes in substantial detail.	README file contains evidence of: • The Pong application's UML diagram. • References to used code snippets. • Known bugs if applicable. Git commit messages reflect the changes in detail.	README file does not or does not fully contain evidence of: • The Pong application's UML diagram. • References to used code snippets. • Known bugs if applicable. Git commit messages do not or do not fully reflect the changes.

ID511001: Programming 2

Project 2: Space Invaders Marking Cover Sheet

Name:

Date:

Learner ID:

Assessor's Name:

Assessor's Signature:

Criteria	Out Of	Weighting	Final Result
Functionality	10	40	
Code Elegance	10	45	
Documentation & Git Usage	10	15	
Final Result			/100
This assessment is worth 35% of the final mark for the Programming 2 course.			

Feedback:

Functionality:

Code Elegance:

Documentation & Git Usage: