Assessment Submission Coversheet:

Physics for Games

Task 2 – Document Your Custom Physics Engine

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Course Stream:	10702NAT – Advanced Diploma of Professional Game Development
Assessment Name:	Physics for Games
Units Covered:	ICTGAM556 – Develop and implement physics in 3-D digital games
Teacher/s:	Jesse James Donlevy
Due Date:	20/02/23
Date of Submission:	*Will be automatically recorded on Canvas*
Assessment Work Location	Canvas/GameProgrammingYear 2/SYD/2023/Assignments Physics for Games-Task 2

*For more information on these parts, please click on the **Subject and Assessment Guide** link in the course **Game Programming Year 2** under the subject **Physics for Games** on https://aie.instructure.com and read the **2023 Subject & Assessment Guide – Physics for Games** and go to **Assessment Tasks – Engine Documentation.***

Naming Convention

- Yourname_PfG_CPP_Doc.pdf

Declaration

By submitting this work under my name, I declare that my submission is my own work with respect to plagiarism and does not violate any copyright laws. I have retained a copy of this assessment material that I can produce if requested.

☒ Tick to acknowledge you have read and agree with this declaration.

Name: Please enter you name. Date: Please enter the date

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Physics for Games

Task 2 – Document Your Custom Physics Engine

Work Submitted:

Tick to acknowledge you have submitted this part of the assessment.

1. ☒ Class Diagrams:
    - Submitted UML 2 style class diagram for custom physics engine.
    - Includes :
        - physics systems classes
        - their properties
        - Relationships
        - how they interact together

2. ☒ Documentation:
    - Wrote documentation for physics system.
    - Includes:
        - references and research material which was used to influence the creation of the custom physics simulation
        - Explanation of what the physics simulation is demonstrating and how rigid bodies interact.
        - Third party libraries involved.
        - Improvements that could be made to the custom physics simulation

Name: Please enter you name. Date: Please enter the date