Game AI Exemplars (GAPT)

Distribution of Work

Matthias Bartolo

- Vector Field Pathfinding
- Cellular Automata Maze
- Fuzzy Logic

Jerome Agius

- Space Invaders Movement
- Flocking
- Genetic Algorithm

Isaac Muscat

- Tic-Tac-Toe - Rule Based
- Vector Movements
- AStar with Optimizations

Karl Chetcuti

- Waypoint Navigation
- Procedural Generated Dungeons
- Finite State Machines

Video - All team members took part in the creation of the video.

Version Control

Note that the developed Exemplars were made to be run on **Unity 2022.2.5f1**.

Video Link

A link to the video on YouTube can be found here:

https://youtu.be/6d-2BSyCEcs

A link to the video on Google Drive can be found here:

https://drive.google.com/file/d/1G0HOfALMVr9PbK58xhWAsSIFL5QGj4lR/view?usp=share_link

Plagiarism Form

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY

Declaration

Plagiarism is defined as "the unacknowledged use, as one's own work, of work of another person, whether or not such work has been published" (Regulations Governing Conduct at Examinations, 1997, Regulation 1 (viii), University of Malta).

I/ We*, the undersigned, declare that the [assignment / Assigned Practical Task report / Final Year Project report] submitted is my / our* work, except where acknowledged and referenced.

I/ We* understand that the penalties for making a false declaration may include, but are not limited to, loss of marks; cancellation of examination results; enforced suspension of studies; or expulsion from the degree programme.

Work submitted without this signed declaration will not be corrected, and will be given zero marks.

* Delete as appropriate.

(N.B. If the assignment is meant to be submitted anonymously, please sign this form and submit it to the Departmental Officer separately from the assignment).

__Matthias Bartolo_____
Student Name

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Signature

__Jerome Agius_____
Student Name

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__Isaac Muscat_____
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Signature

__Karl Chetcuti_____
Student Name

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Signature

ICS2000_____
Course Code

Group Assigned Practical Task - Game AI Examplars
Title of work submitted

15/05/2023_____
Date