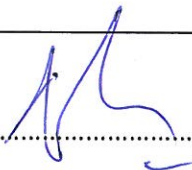


**MAJOR PROJECT - Final Report – 55%**

|                         |                                                                                        |  |  |
|-------------------------|----------------------------------------------------------------------------------------|--|--|
| Student Name:           | TOMASZ PINDER                                                                          |  |  |
| Title of Project:       | Realistic AI Pathfinding in Static Environment                                         |  |  |
| Supervisor:             | Gordon Brookes                                                                         |  |  |
| 2 <sup>nd</sup> marker: | Andrew Baker                                                                           |  |  |
| Course:                 | BIT BusComp CIS CNetS CSE Electrical<br>Games Mobile TRE <u>SE</u> Web (please circle) |  |  |
| Project Type:           | Survey Review Experiment <u>Development</u> (please circle)                            |  |  |

|                                                                                                                                                             | Mark %     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <u>First Marker's General Comments and Original Mark</u>                                                                                                    |            |
| <u>Second Marker's General Comments and Original Mark</u><br>A very strong project undertaken here backed up with thorough testing & analysis. Good Effort. | <u>75%</u> |
| <u>Comment After Consultation With Other Marker &amp; Final Agreed Mark</u>                                                                                 |            |

Signature: .....  ..... Date: ..... 09/05/17 .....

|                                        | Survey | Review | Experiment | Development |
|----------------------------------------|--------|--------|------------|-------------|
| <b>1. Research-informed Literature</b> |        |        |            |             |
| Introduction                           | /5     | /5     | /5         | 3.5 /5      |
| Literature Review                      | /20    | /35    | /20        | 11 /15      |

Comments:

fairly good introduction to the project carried out.

fairly comprehensive lit review - but details several pathfinding algorithms/variants. Some capsum on one project-specific details included in this section that extend beyond Lit. Review - minor

|                                                  | Survey | Review | Experiment | Development |
|--------------------------------------------------|--------|--------|------------|-------------|
| <b>2. Knowledge and Understanding of Subject</b> |        |        |            |             |
| Methodology                                      | /5     | /5     | /5         | 3.5 /5      |
| Survey Design                                    | /15    | -      | -          | -           |
| Requirements/Design                              | -      | -      | -          | 3.5 /5      |

Comments:

feature-driven-development identified as most appropriate methodology for this project. Brief discussion of other approaches considered - good.

fairly comprehensive requirements/design sections with a clear road map identified.

M

|                                 | Survey | Review | Experiment | Development |
|---------------------------------|--------|--------|------------|-------------|
| <b>3. Analysis</b>              |        |        |            |             |
| Results & Discussions           | /25    | /25    | /25        | 20 /25      |
| Conclusions and Recommendations | /10    | /10    | /10        | 7.5 /10     |

Comments:

Very good set of results achieved with detailed analysis undertaken to determine strengths/weaknesses for each algorithm under test. Good conclusions drawn that highlight some of the complexities that need consideration when selecting 'most appropriate' algorithm. Good.

|                                                | Survey | Review | Experiment | Development |
|------------------------------------------------|--------|--------|------------|-------------|
| <b>4. Practical Application and Deployment</b> |        |        |            |             |
| Development                                    | -      | -      | -          | 11 /15      |
| Experimental Design                            | -      | -      | /15        | -           |

Comments:

V. Good project conducted - but revealed some very interesting results across a broad range of test scenarios. Good effort throughout.

|                                                                                                                                                                   | Survey      | Review      | Experiment  | Development      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|
| <b>5. Skills for Professional Practice</b>                                                                                                                        |             |             |             |                  |
| Reflection                                                                                                                                                        | /10         | /10         | /10         | <del>6</del> /10 |
| Quality of Report                                                                                                                                                 | /10         | /10         | /10         | 8 /10            |
| <b>Comments:</b><br>V. Good report presented. All sections appear to have been well thought through. Good referencing adhered to throughout.<br>Excellent Effort! |             |             |             |                  |
| <b>TOTAL:</b>                                                                                                                                                     | <b>/100</b> | <b>/100</b> | <b>/100</b> | 75% /100         |