

Donald Nute's VWorld

Bumble 2.0

Author:

James P. Spencer

Computer Science (Games)

Student Number: 08809130

Author:

Thomas J. Taylor

Computer Science (Games)

Student Number: 08813043

School of Computing, Engineering and Mathematics
University of Brighton

Documentation

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Project Aim

You will be working on Donald Nute's V-World throughout the majority of the workshop programme, and will have soon completed workshop exercises designed to experiment with the world, its actors and its main (adventurer) agent "Bumble." This assignment is simple and extremely open-ended:

Modify aspects of the program to make the behaviour of the actors (including Bumble) more 'interesting' than it is at the end of the formal workshops

Ideas

Interesting behaviour could be characterised in many ways, but the following is indicative:

- The (demonstrated) ability of Bumble to deliberate about its situation
- The (demonstrated) ability of Bumble to react to changes in the world
- The ability of Bumble to demonstrate intelligent decisions about actions
- Actors in the world to demonstrate an enhanced level of intelligent behaviour etc.
- Proof of the success of your modifications could be:
- Behaviour based on a given set of scenarios - comparison with Bumble 1.1 & 1.2 say
- Performance measured against V-World's number of moves before (RIP) etc.

Deliverables

To be submitted: Thursday 10 May, 2012 by 8:45am

- (a) **The program** - submission details to be arranged
- (b) **Documentation** - submitted both in written & electronic form

This should be structured in the normal way for such documents, e.g. introduction, strategy, modifications made (with relevant code snippets), test plan, outcomes, further work, conclusions. It should support the program and be around 3000 words

Marking Criteria

- The system is functional according to the specifications, i.e. new behaviour demonstrated - it works: 20%
- Level of sophistication in the new behaviour(s): 30%
- The code is well-structured, documented and annotated (it is clear and accessible): 10%
- The documentation as specified: 40%

Map	Test 1	Test 2	Test 3	Mean
Test 1	X	Y	Z	$X+Y+Z3$

Table 1: This table shows some data

Introduction

Strategy

Modifications

Search

Test Plan

Evaulation

We have utilized the set of test maps supplied with bumble to evaulate the effectiveness of our solution.

Outcomes

Conclusions

Further Work

Appendix X: jfkdsjkjfdksljgklfdlkjlkfd