



Faculty of Computing, Engineering and
Science

Assessment Cover Sheet and Feedback Form - Resit 2021-22

Module Code: CS3S665	Module Title: Game Engine Design	Module Team: Gaius Mulley
Assessment Title and Tasks: Practical Coursework 1		Assessment No. 1
Date Set: 01-Jul-2022 00:00	Submission Date: 05-Aug-2022 23:59	Return Date: 08-Sep-2022 23:00

IT IS YOUR RESPONSIBILITY TO KEEP RECORDS OF ALL WORK SUBMITTED

Marking and Assessment
<p>This assignment will be marked out of 100%</p> <p>This assignment contributes to 50% of the total module marks.</p>
<p>Learning Outcomes to be assessed (as specified in the validated module descriptor https://icis.southwales.ac.uk/):</p> <ol style="list-style-type: none">1) To critically evaluate the techniques that underpin modern game engines2) To be able to justify techniques used in the design, development and evaluation of game engine and gameplay code
<p><i>Provisional mark only: subject to change and / or confirmation by the Assessment Board</i></p>

Coursework Task

Your task is to modify the chisel and/or doom3 code base in any way you like. You may choose to change chisel along similar technique shown in lectures or change the doom3 API using the lecture notes as a guide.

Each change will be marked on their respective merit and you should document your changes along with a justification for the change.

A full git diff must be submitted for either repository changed.

The most recent repositories of the code bases can be found here:

<https://github.com/gaiusm/pybot-dhewm3>

<https://github.com/gaiusm/chisel>

and the vmware image with both older repositories pre-installed is available from the notes:

<http://floppsie.comp.glam.ac.uk/Southwales/gaius/gameengine/2-2.html>

you may use either pairs of repositories to complete your coursework.

Marking Scheme:

	Fail	Narrow Fail	3rd Class / Pass	Lower 2nd Class / Pass	Upper 2nd Class / Merit	1st Class / Distinction
Complexity of the implementation changes 30%	<ul style="list-style-type: none"> Very poor Complexity of the implementation changes 	<ul style="list-style-type: none"> Poor Complexity of the implementation changes 	<ul style="list-style-type: none"> Satisfactory Complexity of the implementation changes. A single feature was changed. Some obvious code weaknesses exist, but the overall direction was sensible 	<ul style="list-style-type: none"> Good Complexity of the implementation changes. Sensible changes attempted, code contains some errors but is along the correct path 	<ul style="list-style-type: none"> Very good Complexity of the implementation changes. Interesting and effective changes made either visually or structurally 	<ul style="list-style-type: none"> Excellent Complexity of the implementation changes. Code contains independent ideas and is well crafted
Documentation of your changes to chisel and doom3 30%	<ul style="list-style-type: none"> Very poor Documentation of your changes to chisel and doom3 	<ul style="list-style-type: none"> Poor Documentation of your changes to chisel and doom3 	<ul style="list-style-type: none"> Satisfactory Documentation of your changes to chisel and doom3. Documentation might contain minor omissions and errors 	<ul style="list-style-type: none"> Good Documentation of your changes to chisel and doom3. Documentation contains weaknesses in some areas 	<ul style="list-style-type: none"> Very good Documentation of your changes to chisel and doom3. Well written and sensible comments made 	<ul style="list-style-type: none"> Excellent Documentation of your changes to chisel and doom3. Well written documentation with very relevant screenshots and excellent use of git to highlight changes
analysis of the python bot api 40%	<ul style="list-style-type: none"> Very poor analysis of the python bot api 	<ul style="list-style-type: none"> Poor analysis of the python bot api 	<ul style="list-style-type: none"> Satisfactory analysis of the python bot api. The commentary addresses some of the areas with errors and omissions 	<ul style="list-style-type: none"> Good analysis of the python bot api. The commentary addresses the majority of areas with a few errors or omissions 	<ul style="list-style-type: none"> Very good analysis of the python bot api. The commentary addresses the majority of areas with no major errors or omissions 	<ul style="list-style-type: none"> Excellent analysis of the python bot api. The commentary contains a high amount of independent thought and also all the major areas are covered without errors