

The Department of Computer Science

**Is Unity D.O.T.S Worth Using from a Developer Perspective?**

CIS3140 CW2 – Project Report

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Date:

*This Report is submitted in partial fulfilment of the requirements for the BSc Honours Computing (Games Programming) Degree at Edge Hill University.*

// Styling note

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* 1.5 Line Spaced
* Ensure left hand margin is big enough for spiral binding
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# **Chapter 1 Introduction**

## **Background and Motivation**

## **Aims and Objectives**

## **Methods Used**

## **Structure of the report**

## **Technical Terms Used Throughout This Document**

# **Chapter 2 Background & Literature Review**

## **Data Oriented Design**

## **Game Optimisation**

## **Programming Patterns**

## **Existing Frameworks / Languages**

# **Chapter 3 System Requirements**

* List and talk about the system requirements for the project and demo
* Description of the use of tools to support the development process,
* Description of the stages of the life cycle undertaken – waterfall and

# **Chapter 4 Research Design, Prototype Designs and Methods**

* Initial Designs
* Plans

# **Chapter 5 Implementation**

## **The UI**

## **The Menu**

## **The Unoptimised Prototype**

## **The Traditional Prototype**

## **The ECS Prototype**

## **The ECS With Job System Prototype**

# **Chapter 6 Research Data Gathering & Analysis**

## **Surveys**

## **Focus Group**

## **Developer Interviews**

# **Chapter 7 Testing & Results Gathering**

## **In Editor Testing**

* Unoptimised Prototype Profiling
* Traditional Prototype Profiling
* ECS Prototype Profiling Burst On Profiling
* ECS Prototype Profiling Burst Off Profiling
* ECS + Job System Profiling

## **Out of Editor / Build Performance Testing**

# **Chapter 8 Outcome**

# **Chapter 9 Discussions**

# **Chapter 10 Conclusions**

Sub Critical Evaluation

= Look back and reflect on

= Requirements – were they complete, was anything missing

= Design – what alternatives considered at each stage? Were

= Implementation

= Review of my plan and explain any devations from it

=

Sub Further Work

# **References**

// Do Not Separate out References into sections – this is my bad habit – instead order them in alphabetical order

# **Appendices**