GAM6001-18 Major Project

Core Mechanics and their effect on Development

Assessment Criteria

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# Abstract (Do Last)

This report is to…

# 1.Background

## 1.1 What was your team aiming to do?

The team wanted to create an aspiring 3D platformer with added unique gameplay mechanics whilst also including generic 3D platformer mechanics (such as Walking, Running, Jumping and double Jumping) as to still seem familiar to people who have played 3D platformers before. We decided to add the unique elements as to set it aside from other previously released games in the same genre.

## 1.2 What was the composition (in skill terms) of the team?

The team was made up of five people, an artist, a programmer and three designers. Each person would apply skills that would adhere to their role. Whilst branching into artist or programmer depending on workload. The artist would create 3D models, unwrap, texture and import into engine for the designers to place within the game. The Programmer would focus primarily on Enemy AI and fixes bugs when attempting to build the game. The Designers would create tools and polish to the game in the form of particle effects or sound whilst creating and designing multiple levels for the player to navigate in the Unreal Engine (Epic Games,1998).

OLD\*\*\*As the team were utilising the unreal engine, an engine that the team are very familiar and adamant in, we was able to utilise our skills with the engine to provide a range of services to the project. From gameplay programming to creating and importing animations to art assets. There was never a point when if we came up with an idea, we said it was impossible to do, we would agree that it would be challenging and time consuming. If we able to fit this idea into our planning, we would then act on it. \*\*\*\* OLD

## 1.3 What role did you play in the team?

The role in the team of which the writer carried out was that of a designer in a small indie team. Which implies to use and learn a range of skills within the project. Rather than being a designer on a large AAA team where the role would have been more specific. The role of being a generic denser meant playing into different aspects of game development, such as; Programming, Animating, UI Design, Technical Art and VFX.

## 1.4 What state was your prototype in at the point when this module started?

The prototype was at as stage where the core mechanics were just barely working, as there were clear bugs and it needed more polish. The game itself was playable with one main level. However, with that design of the level done and with the better tools developed for level design, it became easier and more apparent to make more levels.

## Introduction

As a one of the Designers of the team, many roles had to be undertaken to provide a quality product. The document will go into detail of these roles, what they were, how they were done and what effect these implementations had on development. These effects can range from implementing feedback from testing results, to setbacks in development which led to rework of the original design.

These redesigns relate back to the author’s individual research within the literature review. Specifically, how implementation of new mechanics can change development of the project. This was done several times since the presentation of our prototype. Of which will be discussed in later segments of this document.

# 3.Activities on the project (change)

## 3.1 The Task Undertaken (Change)

## 3.1.1 Brief discussion of relevant literature

## 3.1.2 How this work was approached (design etc)

## 

## 3.1.3 Problems, solutions and evaluation of this work in comparison to research undertaken

## 3.2 The second task undertaken(change)

## 

## 3.2.1 Brief discussion of relevant literature

## 3.2.2 How this work was approached (design etc)

## 

## 3.2.3 Problems, solutions and evaluation of this work in comparison to research undertaken

## Reflection

## Conclusion

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