Technical Document

for

Jelblob: The Horrific Adventure

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# Role Assignments

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Banner ID** | **Course** | **Role in Project** |
| Alistair Walker | B00305911 | Computer Games Technology | Lead Artist  (With sub roles in Design and Programming) |
| **Description** | | | |
|  | | | |
| Kenny Melvillie | B00323186 | Games Development | Lead Games Designer, Audio Designer  (With sub roles in Programming and Artist) |
| **Description** | | | |
| I choose to become the lead game designer and lead audio for 2 reasons, the first of which is that I felt that these 2 areas are where i can contribute to the project the best. The 2nd and most important reason is that I have a very strong passion for both of these areas of development and very much enjoy doing them. | | | |
| Steven O’neill | B00339826 | Games Development | Lead Programmer  (With sub roles in Artist and Design) |
| **Description** | | | |
|  | | | |

# Overview

## Project Brief

The purpose of this project, is to develop a working prototype of game as a project team that follows closely to the team’s design and technical design documents. The project team can choose any genre for their specific game, either from a 2D or 3D perspective using the appropriate game engine (Unity, Unreal Engine 4, Game Maker etc.) to aid their implementation requirements.

For our project, we have tasked ourselves with creating a 2D Side-Scrolling Platformer titled “Jelblob: The Horrific Adventure”, using the game engine ‘Unity’ for development of the title, and coding the game using C# in Visual Studios.

## Project Goal

The aim of this project is to create a playable prototype with at least one level that can be played from start to end. The player controlled character should be able to move left/right and being able to jump as well as firing projectiles, and should be able to end the level by passing a goal which the player must traverse hazards and enemies along the way.

## Software

* Unity 2017
* Visual Studios 2017
* Audacity
* Aseprite
* Microsoft Word
* Microsoft PowerPoint

|  |  |
| --- | --- |
| **Software Used** | **Description** |
| Unity 2017 | The Game Engine that is used for developing the game. |
| Visual Studios 2017 | The Software that is used to code the game. |
| Audacity | The program that is used for recording and editing audio into a suitable format for Unity. |
| Aseprite | The software that is used for the creation of sprite assets (characters, objects, background etc.) and other forms of artwork for Unity. |
| Microsoft Word | The software that is used for the documentation of the project, writing down the design and technical documents. |
| Microsoft PowerPoint | The software that is used to present the game to the audience in a presentation manner. |

## Hardware

# Software Development

## Methodology (explain how used in the development of the game)

## Production – Assets and Audio

## Pseudocode (screen shots of code in document or appendices)

## (UML – Class Diagrams – Steven)

UI (detail this here)

# Testing – Justification of testing approaches adopted

## Test plan (relate this to Quality Assurance)

## Test Log

## Evaluation of the prototype

## Video demo (copy url into document)