Unity Project Requirements Document

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Draft 1

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1. Introduction

## 1.1 Purpose

The purpose of this requirements document is to offer a comprehensive description of the Unity Game Capstone Project. It will cover each intended feature as well as go over the client’s specifications for completion. The document’s envisioned use is to be a contract between the Capstone team and the client that acts as a reference for developing the finished product. This document will also cover software, hardware, and the user interface.

* 1. 1.2 Problem Description

The problem which gives rise to this project is that there exists a team of students from the College of Creative Studies whom are really great designers, but lack solid programming skills and experience. The Unity project is the collaboration between the artists of the College of Creative Studies and the software engineers of Wayne State University.

* 1. 1.3 Project Scope

The goal of the project is to create a small, fully playable video game known as a demo that is playable on personal computers. This demo will exhibit the various gameplay elements that the full-fledged game will contain. Required game elements include: One island environment designed to be an introduction tutorial, a user-controlled camera, appropriate and correctly assigned character animations and sounds, a combat system, and a functional user interface.

* 1. 1.4 Glossary

**Example Term or Acronym** – Example Description

**Demo** - Playable demonstration of core gameplay mechanics

**PC** – Personal computer

**UI** – User interface

# General Description

* 1. 2.1 Product Perspective

Summary of similar technologies/games possibly.

* 1. 2.2 Product Functions
  2. 2.3 Users/Perspectives

Users of this demo are not limited by age, race, gender, or locality. The game can be used by anyone with basic hand-eye coordination. The game may be utilized differently by some users. For example, for some it may act as a hobby, entertainment, or a stress reliever.

* 1. 2.4 Constraints
     1. Business Constraints

Budget,

* + 1. Technical Constrains

Unity, C#, JavaScript, MonoDevelop

# Functional Requirements

The finished product will be a playable demo demonstrating coordinated events, scripts, and textures running within the Unity engine. The game demo will be robust enough to not crash during regular play(except for unforeseen circumstances). The game itself will be able to handle user input and react accordingly on-screen via a keyboard and mouse.

Write all verbs in full. Do not use contracted forms like don’t or can’t. Do not use abbreviations such as info (for information) and asap (for as soon as possible). Limit the use of passive voice. However, there are some situations where passive verb forms are preferred to active forms. For example, active verb forms used with the first person singular are not considered appropriate in formal or academic writing.

## Sub Heading 1

Example text for sub heading.

# References

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| Doc Number |  | Doc Version | Doc Name & Location |
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# Document Revision History

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| --- | --- | --- | --- |
| Revision | Date | Author | Changes |
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# Appendix

Material including referenced documentation the web or elsewhere, as well as alternative designs or items/ideas for future improvements.

Notes:

Change occurrences of “the client” with “Aigbe” ?