Vision Document

1. Introduction

- ### 1.1 Purpose

The purpose of this vision document is to provide a clear and inspiring direction for the development of "Ghost Run," an original and innovative 2D game where a ghost chases the player through a forest with various obstacles. The vision document will guide the production and development team's common goal.

- ### 1.2 Scope

The scope of the vision document is to outline the long-term goals and aspirations for "Ghost Run," including its long-term goals, user impact, and gaming experience, while also defining the boundaries for development.

- ### 1.3 References

Ghost Run is inspired by the well-known 2D endless running game "Temple Run," which has fun obstacle-dodging features.

- ### 1.4 Overview

The vision for "Ghost Run" is to offer an unforgettable 2D experience where a ghost chases players through a forest, which is inspired by "Temple Run." The team is guided in producing an immersive gaming experience by the vision document.

2. Product Overview

- ### 2.1 Product Perspective

The product perspective for "Ghost Run" revolves around creating an innovative 2D game where a ghost chases the player through a forest with various obstacles.

- ### 2.2 Summary of Capabilities

"Ghost Run" is designed to offer engaging gameplay mechanics, obstacle-dodging challenges, and impactful user experiences. The game aims to provide a challenging and rewarding adventure for players.

- ■ 2.3 Assumptions and Dependencies

The development and success of "Ghost Run" are based on the assumption that the game will effectively capture the essence of an 'endless runner'. The game will need challenging obstacles and a chasing ghost to keep the player engaged and motivated.

3. Product Features

- ■ 3.1 Engaging Obstacle-Dodging Mechanics

"Ghost Run" offers engaging obstacle-dodging mechanics, inspired by successful games like "Temple Run." Players will navigate through a forest filled with various obstacles, providing a challenging and rewarding experience.

- ■ 3.2 Intense and Immersive Gaming Experience

The game aims to deliver an intense and immersive gaming experience. Players can expect a thrilling adventure as they navigate through the game's environment, encountering obstacles and challenges along the way.

4. Constraints

- ■ 4.1 Scheduling

As busy developers, likely, the developers may not all be able to work on the game at the same time.

- ■ 4.2 Algorithms

We will have to work with multiple complicated game aspects. An example of an aspect is engaging obstacle-dodging mechanics, where players navigate through a forest filled with various obstacles, providing a challenging and rewarding experience.

- ■ 4.3 Testing

Testing and debugging the code will be challenging due to the potential for runtime states that may appear incorrect, leading to failures, and the highly unconstrained range of possible errors causing these failures. Fortunately, the development team includes a highly adept Lead Quality Assurance (QA) Analyst.

- ■ 4.4 Technical

Some of the development team members have limited experience with Unity and are unfamiliar with the C# programming language, which is essential for effective Unity development. The complexity of game development in Unity may pose additional hurdles in understanding the engine's tools and features, potentially impacting the coding process. The need to learn and apply C# within the Unity environment, while navigating the complexities of game

development, may present a steep learning curve for the team, requiring dedicated effort and time to overcome these challenges.

5. Documentation Requirements

- 5.1 User Manual

The "Ghost Run" User Manual will give users thorough direction, including specific instructions on gameplay, controls, and goals. It will be a useful tool for players to comprehend the rules of the game and improve their overall gaming experience.

- 5.2 Installation Guides, Configuration, and Read Me File

Install and configure the game with ease by following the clear and concise steps found in the Installation Guides, Configuration, and Read Me File. It will contain all the necessary details on system requirements, installation methods, and any extra setups required for the best possible gaming. This guide will guarantee that gamers have a smooth setup procedure, which will enhance their overall user experience.