

# Basketball - Game Design Document



## 1.0 Overview

### 1.1 Game Summary

This mini-game is designed to show off how VR can be used to play a game of arcade basketball

This game is designed to play with multiple other people and to score points against a timer to challenge yourself and other players.

### 1.2 Desired Experience

Our goal is to replicate the experience of playing arcade basketball machines.

### 1.3 Desired Player Behaviours

1 v self

1 v 1

1 v 1 v 1

1 v 1 v 1 v 1

### 1.4 Actual Mechanics

#### 1.4.1 Basketball

The ball is grabbable by using the VR hands Grab button.

#### 1.4.2 Basketball - Walls and machine

The basketball will be rolling down a ramp to rest at the bottom of the machine for use..

The basketball will bounce off the machines back and sides

#### 1.4.3 Score

When the basketball goes through the hoop the player will get a point added to their score

#### 1.4.4 Timer

When the player presses the start button a timer of 60 seconds will start to count down and the player will

### 1.5 Controls

Grab the basketball with the grab button

## 2.0 Style and Feel

### 2.1 Summary of Desired Audiovisual Style

Following the game theme with a tendency towards neon orange.

### 2.2 Desired Visual Style

Following the neon theme of the game

### 2.3 Desired Audio Style

Synthwave arcade following game theme

### 2.4 User Interface

Scoreboard, Start game, Reset Game

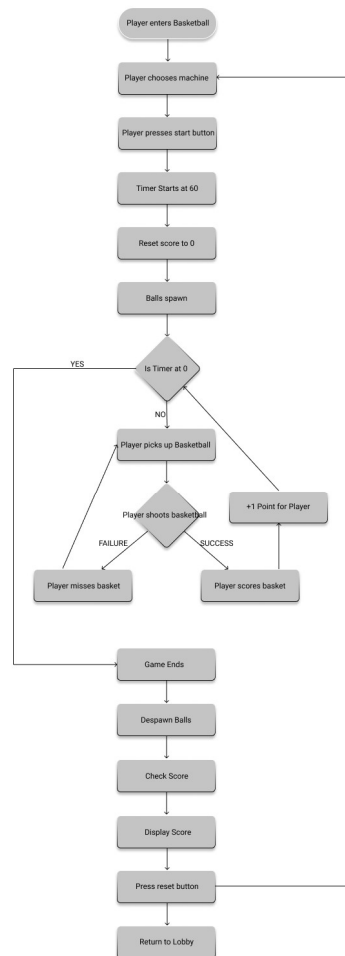
### 2.5 Camera Controls

The same VR player camera as all of the other games

## 3.0 Game Flow

### 3.1 The Game Minute

### 3.2 Game Flow Diagram



## 4.0 Target Audience

*Same as main GDD*

## 5.0 Asset List

### 5.1 3D Assets

Basketball Machine

Scoreboard

Basketball

Decorative assets

### 5.2 Audio Assets

Basketball bounce

The basketball hits hoops/

Basketball spawns

Background music - Chill

Background music - Hype

## 6.0 Interactions Table

The Player's hand can grab the basketball

The Player's hand can throw the basketball applying force to the basketball

The basketball has ramp it can roll down

The basketball can hit the rim

The basketball can go through the hoop

