

# THE BOYS MAKE A GAME

CS4300 – Final Project

George Neonakis – gnan88 – 201311883

Clifford Bowe – cbowe – 201660297

Trei Solis – tssolis – 201640760

## Game Overview

The Boys Make a Game is a single player top-down shooter. There are a series of three prequel levels – each filled with AI-controlled enemies, obstacles to overcome and a boss guarding a weapon that can be picked up. When all three levels are complete, it will unlock a 4<sup>th</sup> level whose only obstacle is the final boss.

When launched, the player is taken to a ‘Main Menu’ screen that allows them to choose any of the three prequel levels. After selection, the player is spawned in the chosen level with a basic weapon. Throughout the level, the player will explore the game map in order to find consumable items, defeat enemies, and reach the boss at the end. Within the levels, the player can access an in-game inventory to view the various items that have been picked up in the journey.

All asset sources are listed in the provided “Source List” text file.

## Extra Features

1. Reloading – Each weapon has a fixed magazine size. The player can initiate weapon reload by pressing R or have reload automated upon magazine reaching 0 bullets.
2. Dashing – The player can perform a quick dash while moving in any direction.
3. Ricochet – Projectiles fired from the Launcher weapon can bounce off of walls.
4. Stealth – The player can consume a Stealth potion to become invisible to enemies for a short period of time.
5. Explosions – Projectiles fired from the Launcher weapon explode after a short delay, damaging nearby enemies.
6. State Persistence – Weapons collected persist across levels, and collecting all weapons unlocks a final level in the main menu.

## Game Instructions

The overall goal of The Boys Make a Game is to unlock and defeat the final boss of Level 4. To get to that point, the player must complete the first 3 levels by fighting through enemies and collecting the weapons at the end of each level.

## Game Controls

- W: Move up
- S: Move down
- A: Move left
- D: Move right
- LMB: Shoot
- LShift: Dash
- 1: Toggle weapon 1
- 2: Toggle weapon 2
- 3: Toggle weapon 3
- 4: Toggle weapon 4
- Z: Use Health Potions
- X: Use Shield Potions
- C: Use Speed Potions
- V: Use Stealth Potions
- Tab: View Inventory / Pause
- R: Reload weapon
- Esc: Go back