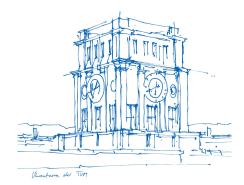
Interim demo - Fall For Me!

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Key Points

+•)

Critiques

Gameplay

Layers

- Basic UI design
- Handling player input
- Character animation
- Collectibles
- Procedural Track

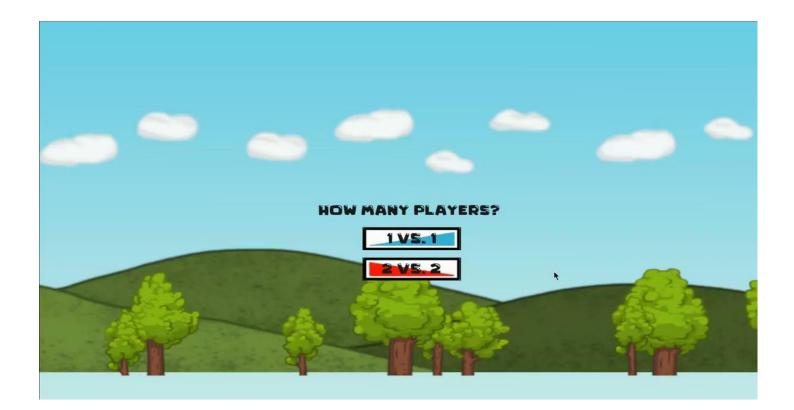


Problems

Critiques

| Critique | Reflection |
|---------------------------|---|
| Frustration when killed | Timeout is the only reward for pushing off. It would be frustrating to have opponents come back too fast. In the future, we can do a hanging mechanic where the other teammate has to help the player come up to revive. → This is not set in stone → Possibility: Respawn at any base |
| Better fighting mechanics | The game's focus is on fighting and balancing on the roller coaster. → Focus may shift towards fighting later |
| Team Combo in fighting | This is a high target. Simple combos are possible because of the current implementation. |
| NPCs | This is (now) part of the extras |

Gameplay



Layers LOW TARGET **FUNCTIONAL MINIMUM Bases & collectibles** 1 vs 1 Procedurally generated track -Simple Roller Coaster Simple Menu (start, exit...) Collect collectibles Simple Music DESIRABLE TARGET **HIGH TARGET** Fighting (Punch button) Animations, Sounds Obstacles and Islands Stupid AI Main Menu (Game Modes,...) Momentum on players **Background Images** Skills, more attacks, earning collectibles in a different way **EXTRAS** Power ups Custom Music AI Custom Sound effects Settings (Graphics, Controls)

Easter Eggs

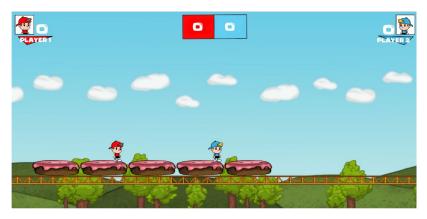
Day-night cycle

Animated procedural textures

- Sound mixing
- Settings (Audio, Graphics, Game Play)

Basic UI design





Main menu:

- players can choose the mode of the game (1v1 or 2v2)
- simple logo
- background is not yet finished

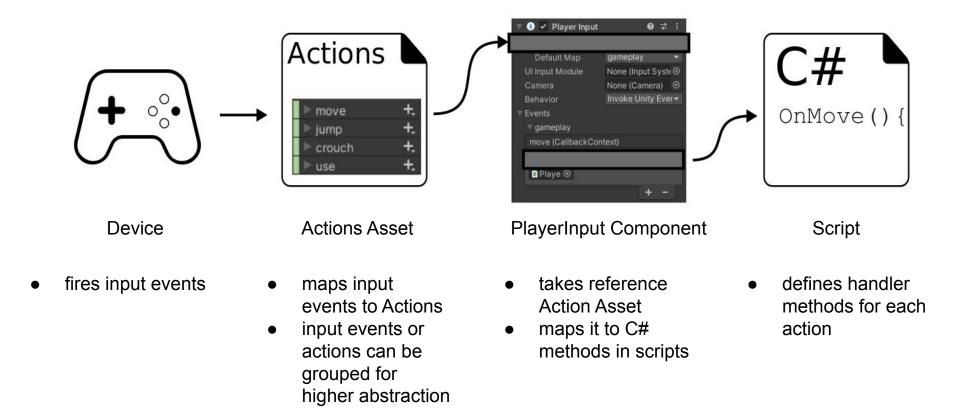
Main Game UI:

- 4 counters
 - 1 for each player
- overall counter for both teams

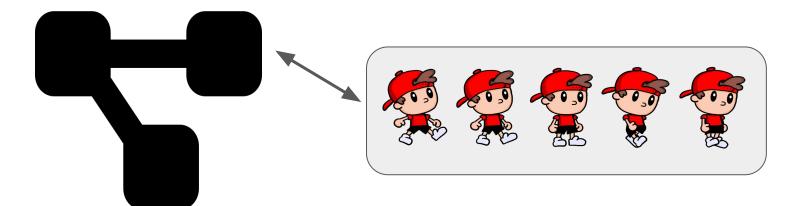
Background:

- backgrounds are static but their UVs are offset
- the backgrounds are separated into different objects
- we plan to make it look like a theme park.

Handling player input



Character animation



Animator:

 defines animation states and transitions between them Animator Override Controller:

 assigns custom animations for the Animator's states

Collectibles

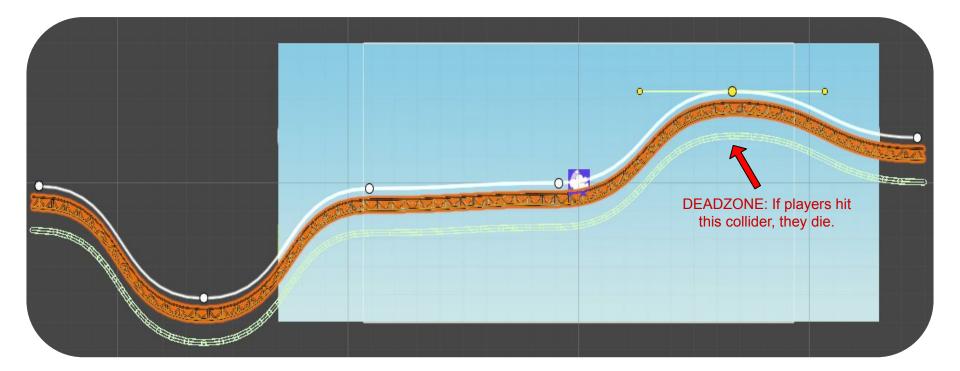
Spawning mechanism

- Spawned along the track
 - with every new track segment
 - 70% chance of spawning
- Speed of the collectibles tied to track
 - can have independent movement curve
 - falling from the sky
 - levitating along a sine curve.
- Uses object pool

based on 2D Trigger Colliders

Player interaction

Procedural Track



Problems

1. Jittering



Problems

2. Unity Physics, broken Parallax effect

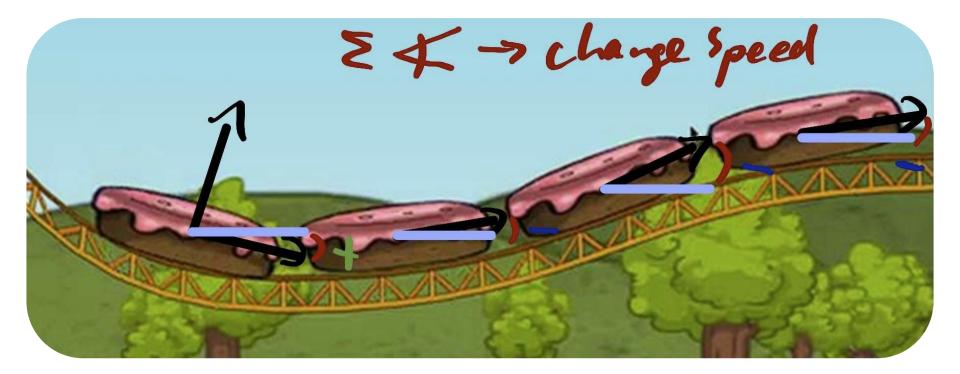


Problems

3. No physics



Realistic simulated physics



The end

Any questions?