Level Design in Genres

Adventure Games

Colossal Cave Adventure – 1976

Features:

- 1. Puzzles
- 2. Collecting
- 3. Story and setting
- 4. Dialogs
- 5. Goals, successes

.run adven WELCOME TO ADVENTURE !! WOULD YOU LIKE INSTRUCTIONS? yes SOMEWHERE NEARBY IS COLOSSAL CAVE, WHERE OTHERS HAVE FOUND FORTUNES IN TREASURE AND GOLD, THOUGH IT IS RUMORED THAT SOME WHO ENTER ARE NEVER SEEN AGAIN. MAGIC IS SAID TO WORK IN THE CAVE. I WILL BE YOUR EYES AND HANDS. DIRECT ME WITH COMMANDS OF 1 OR 2 WORDS. I SHOULD WARN YOU THAT I LOOK AT ONLY THE FIRST FIVE LETTERS OF EACH WORD, SO YOU'LL HAVE TO ENTER "NORTHEAST" AS "NE" TO DISTINGUISH IT FROM "NORTH". (SHOULD YOU GET STUCK, TYPE "HELP" FOR SOME GENERAL HINTS. FOR INFOR-MATION ON HOW TO END YOUR ADVENTURE, ETC., TYPE "INFO".) THIS PROGRAM WAS ORIGINALLY DEVELOPED BY WILLIE CROWTHER. MOST OF THE FEATURES OF THE CURRENT PROGRAM WERE ADDED BY DON WOODS (DON @ SU-AI). CONTACT DON IF YOU HAVE ANY QUESTIONS, COMMENTS, ETC. YOU ARE STANDING AT THE END OF A ROAD BEFORE A SMALL BRICK BUILDING. AROUND YOU IS A FOREST. A SMALL STREAM FLOWS OUT OF THE BUILDING AND DOWN A GULLY. east YOU ARE INSIDE A BUILDING, A WELL HOUSE FOR A LARGE SPRING. THERE ARE SOME KEYS ON THE GROUND HERE. THERE IS A SHINY BRASS LAMP NEARBY. THERE IS FOOD HERE.

What is the level?

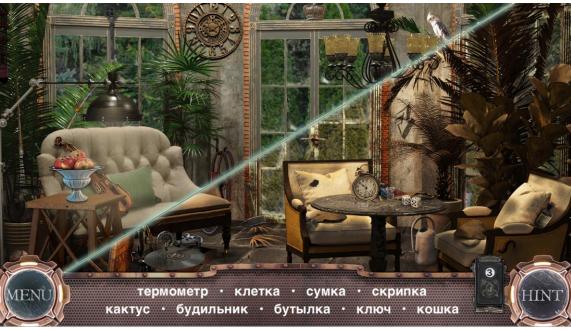
• What logical elements can we extract?

Puzzles

- Blocking content
- Depend on player's ability
- Easy way to brake narrative
- Can age badly

Collecting

- Interactive objects are important
- No way to understand if all are collected
- Re-watch
- Pixel-hunt
- Separate Genre



Using Items

- Item can wait for its turn
- Brute-force is boring.
- Use not by main purpose but by properties.

Grim Fandango: balloons

Trader makes animals from balloons

We can make dog, worm or horse

Worm is just an empty balloon



Analyses

Worm is a balloon

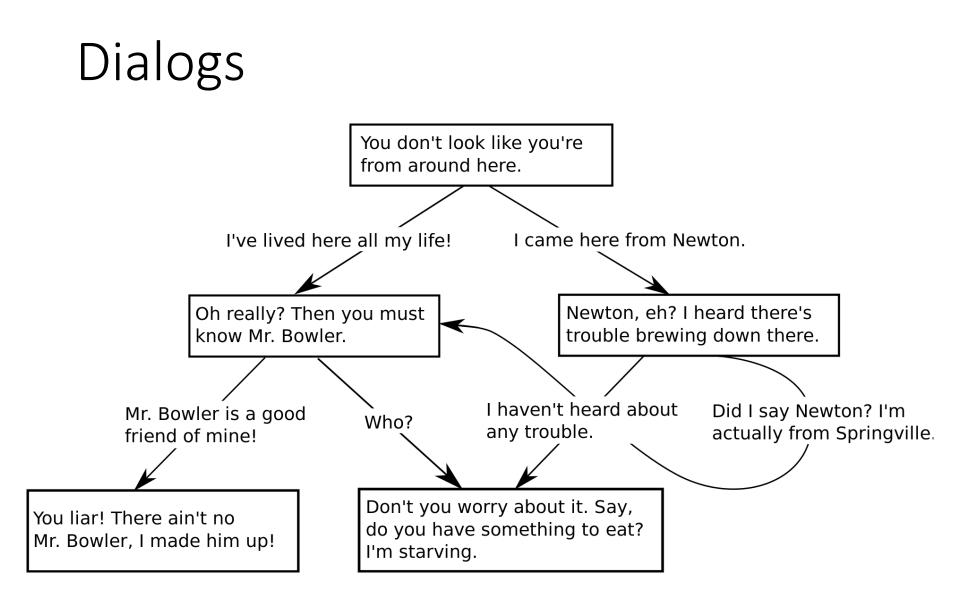
Balloon is made from rubber => Elastic – can be used in slingshots Balloon is a vessel for liquids and gases => Can hold water

Basic usage: Party! Logical Usage: as a rubber, as a vessel, by color. Illogical usage: ignore properties

Objects can have shared properties!

Story and setting

- Story similar to literature
- Linearity is not a problem
- Amnesia is a problem



Goals, successes

- Main goals is in the plot
- Limited secondary goals
- Easy achievements

Really good for achievements



Спасибо, Иоганн! Досмотрите заключительные титры до имени Иоганна

Процент игроков, разблокировавших это достижение: 54,35

Разблокировано: 2 дн. назад

100 ©



Ведьмак на тракте

Пройти игру на уровне сложности "На смерть!".

Только 0,94% игроков разблокировали это достижение

Разблокировано: 03.07.2017



Show problem -> Find Solution

2 categories:

- Independent
- With key

Independent puzzles

- 1. Interactive
- 2. Mini-games
- 3. Riddles

Interactive

- Easy solutions/actions (Door is active!)
- Difficulty depends on your game

Mini-games

- Series of actions
- Popular
- Change the pace

Riddles

- Classics
- Set of Answers is limited (Brute-force)

Pros and Cons

- All you need is here
- Many unique situations
- Not connected to other parts of the game

Puzzles with keys

- Puzzles with inventory
- Puzzles with template
- Puzzles with extra dependencies



Puzzles with inventory

Puzzles with template

- Some info is missing
- Only character can solve (or not)
- If not, player can remember



Puzzles with extra dependencies

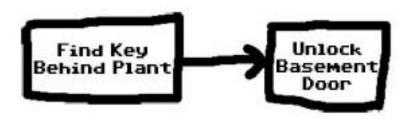
- There is a proper state of the game to solve it
- Detective-like mechanics
- Puzzle can use elements of different types

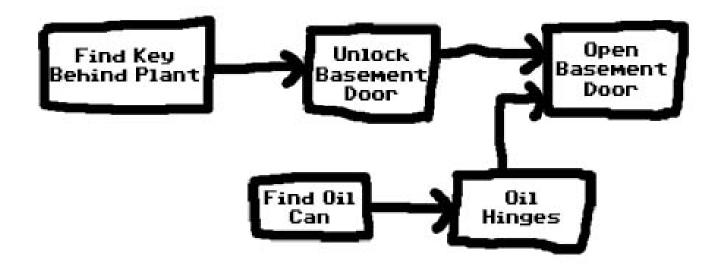
Puzzle Dependency Charts

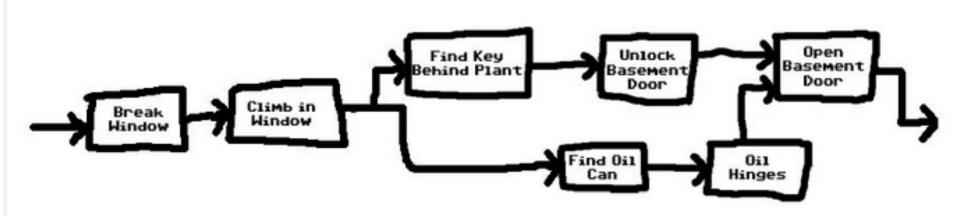
• Ron Gilbert

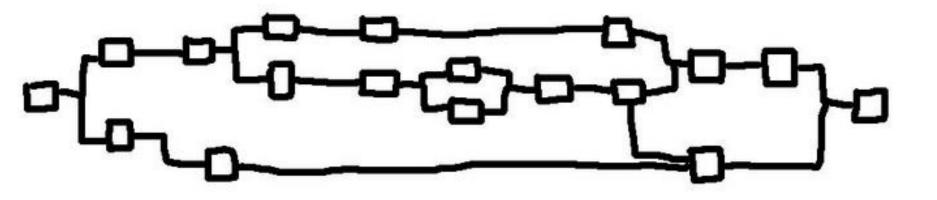
PDC – list of puzzles and dependencies

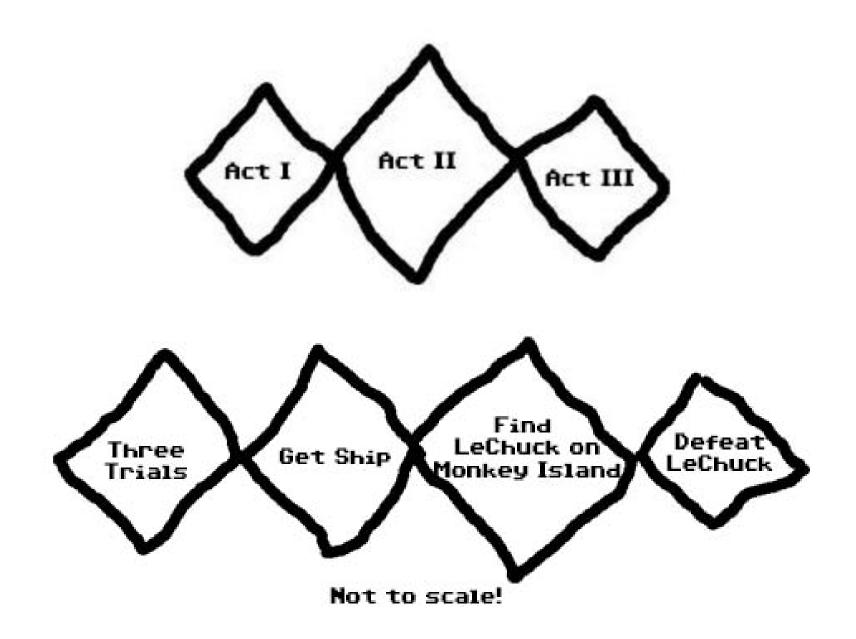








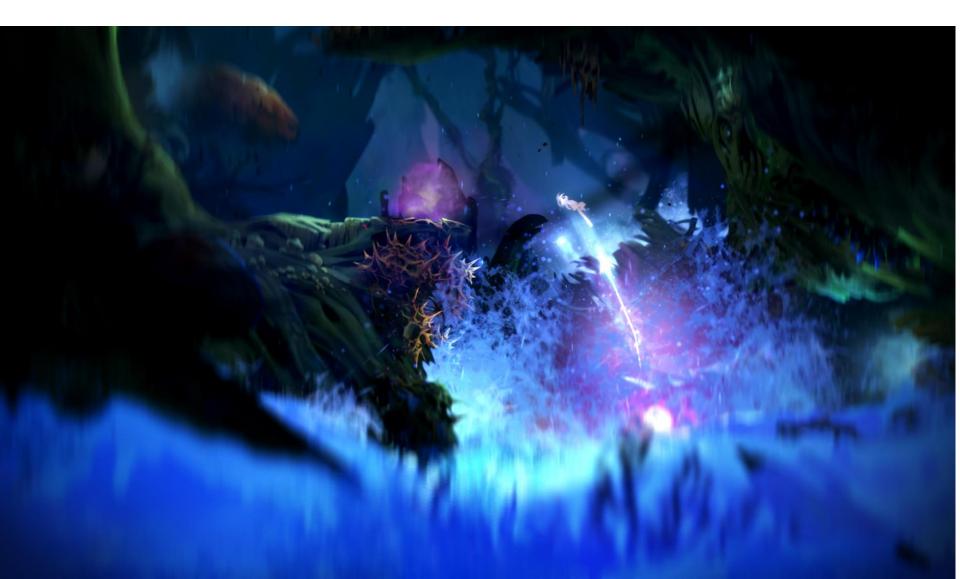




Do PDCs!

www.christophersacchi.com/unpoint-unclick/#

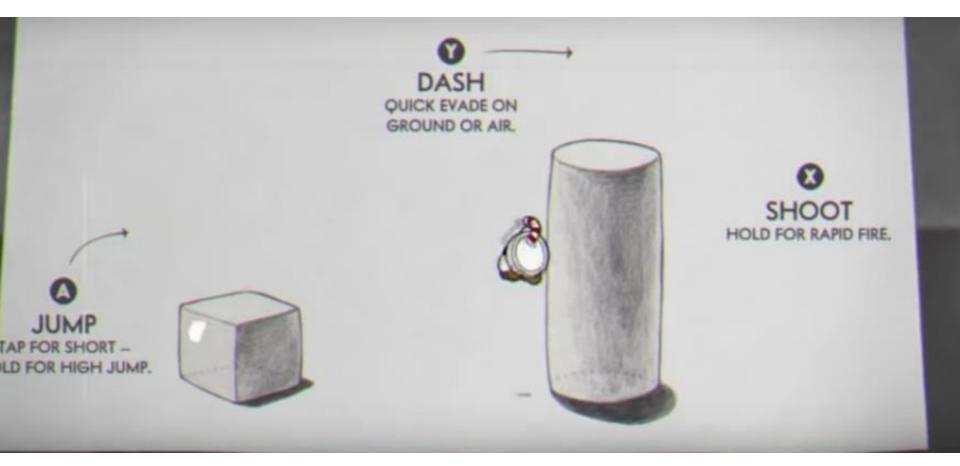
Platformers



1. Well-designed controls



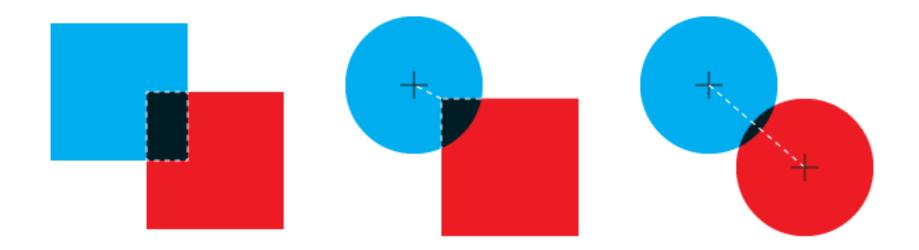
2. Hints!



3. Information should be easy to read!

- Information should be easy to read!
- No time for reading!

4. CD for the players

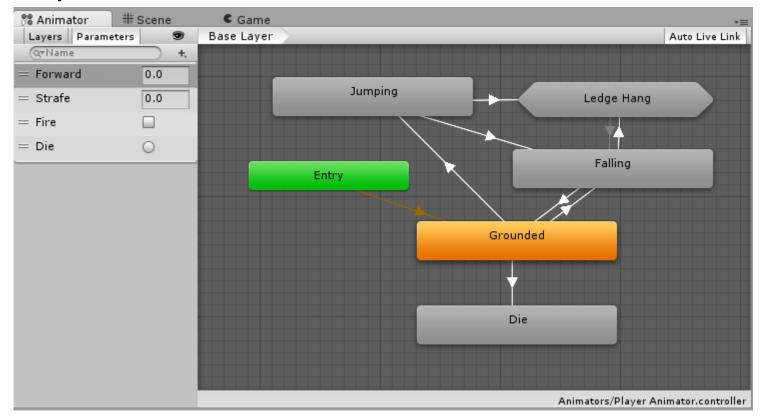


5. Control the jump

- Double Jump/Dash
- Jump after the fall

6. Animation control

- Controls > Animations
- Any states



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7. Collectables

- Replay
- Difficulty

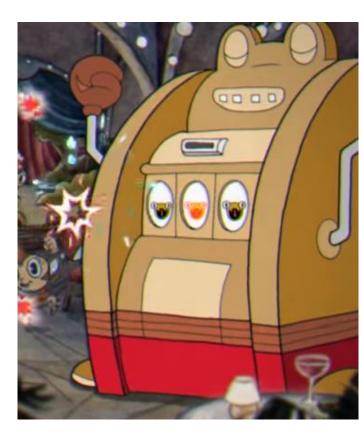
8. Al and Difficulty

HP	Speed	Jump	Attack
0 – 1 Hits	0 – Doesn't move	0 – No	0 - no
1 – 2 Hits	1 – Slow	1 – Low	1 – close range
2 – 3 Hits	2 – Meduim	2 – Medium	2 – medium range
	3 – Fast	3 – Hi	3 - shoots
	4 – Changes Speed	4 – Hi, by conditions	

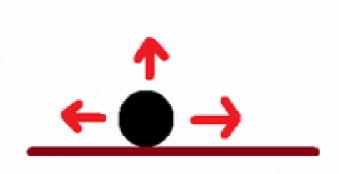
9. Setting and Story

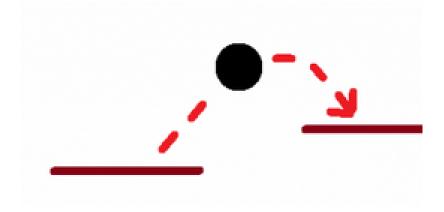
• Mechanics + Story

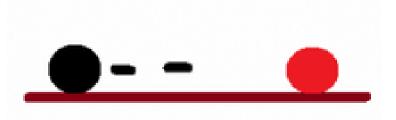




Designing a level: mechanics

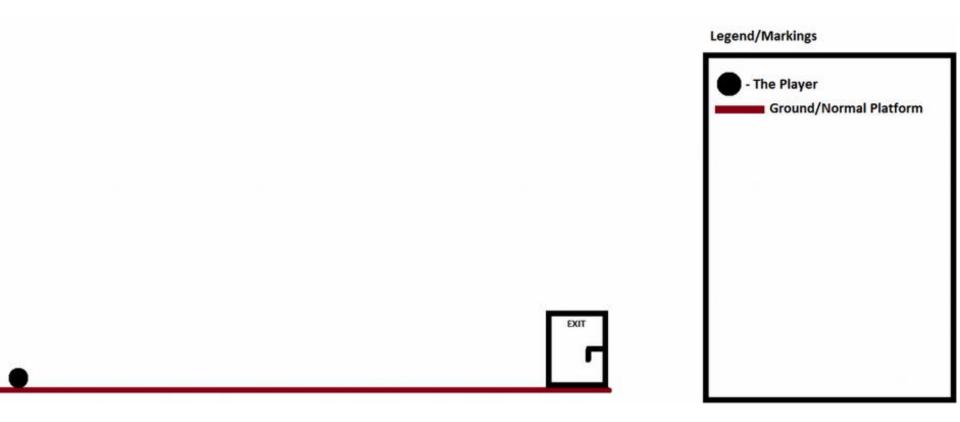




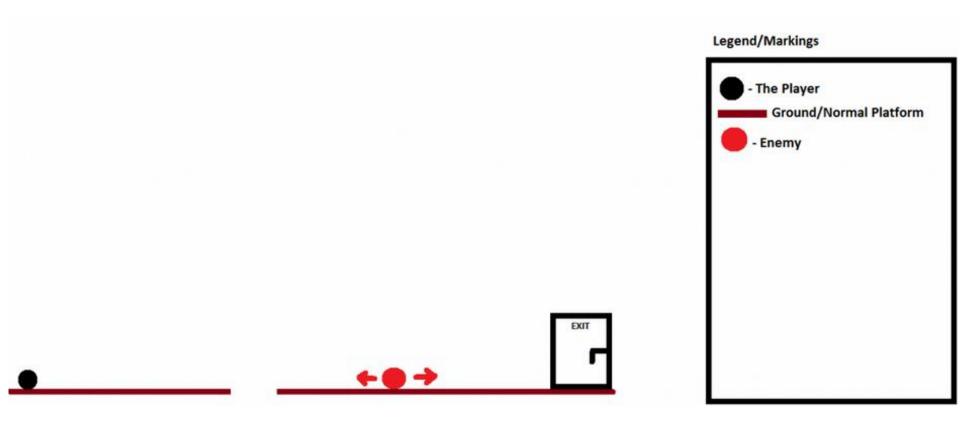




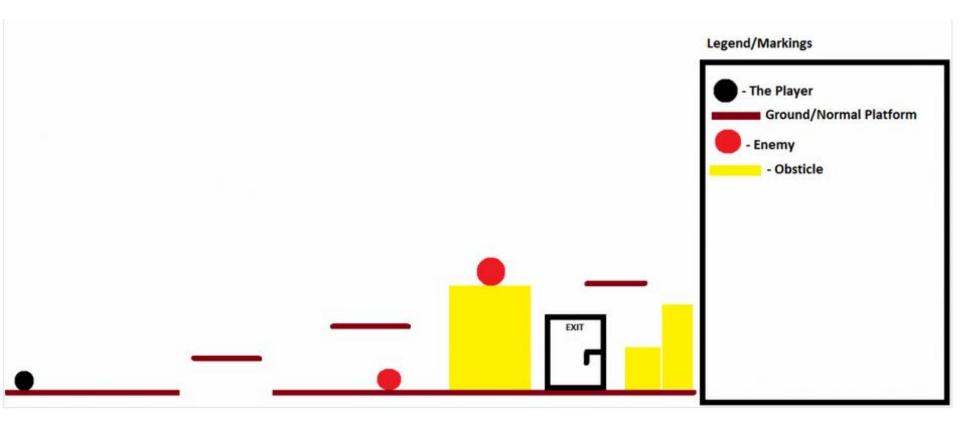
Goal



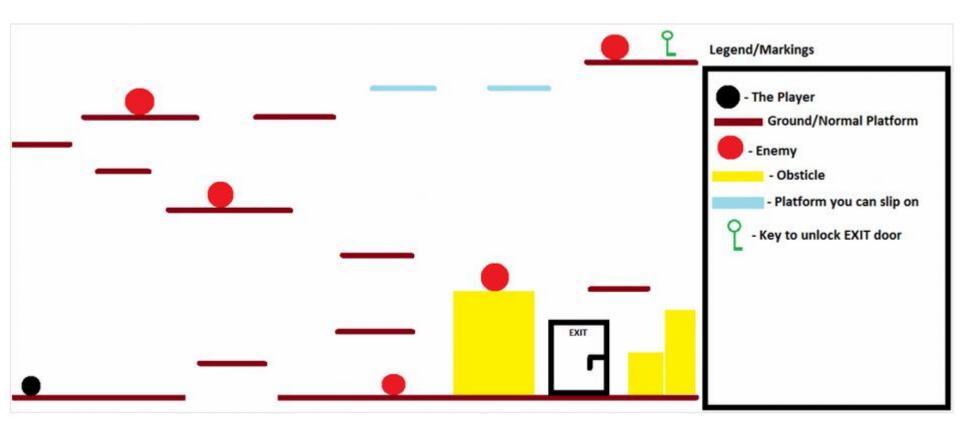
Obstacles



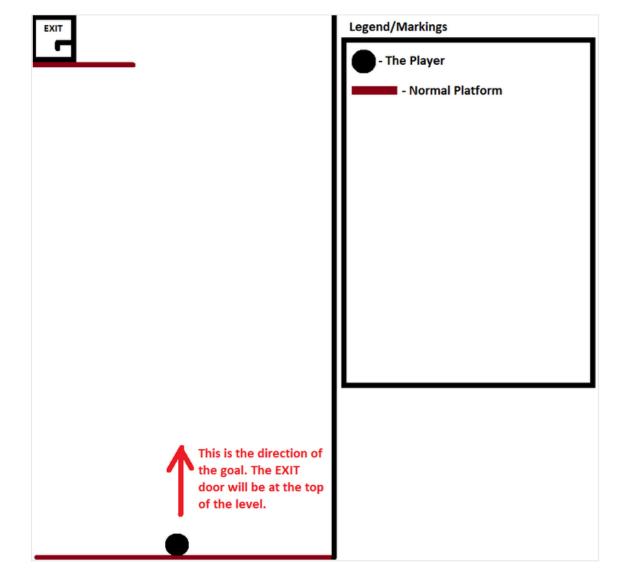
More!



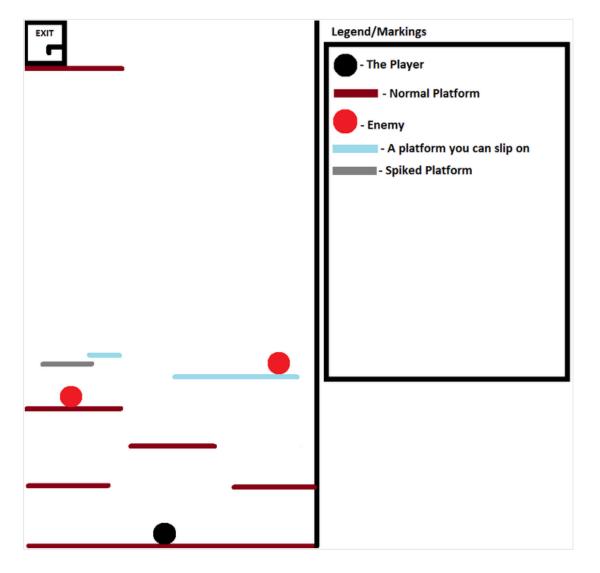
Two Goals



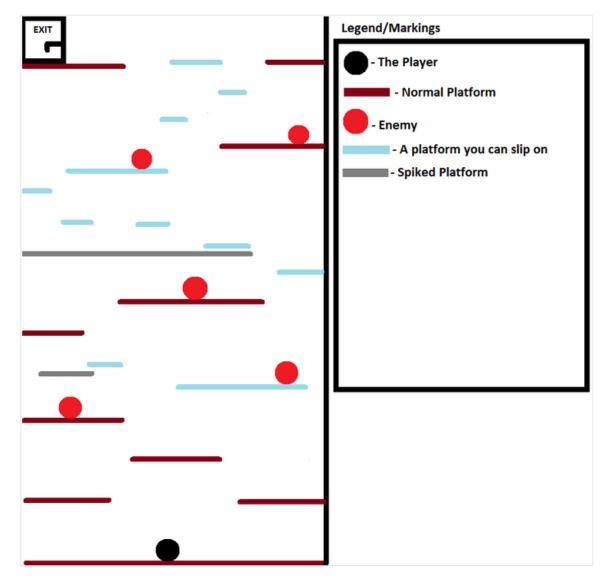
Vertical



Extra objects



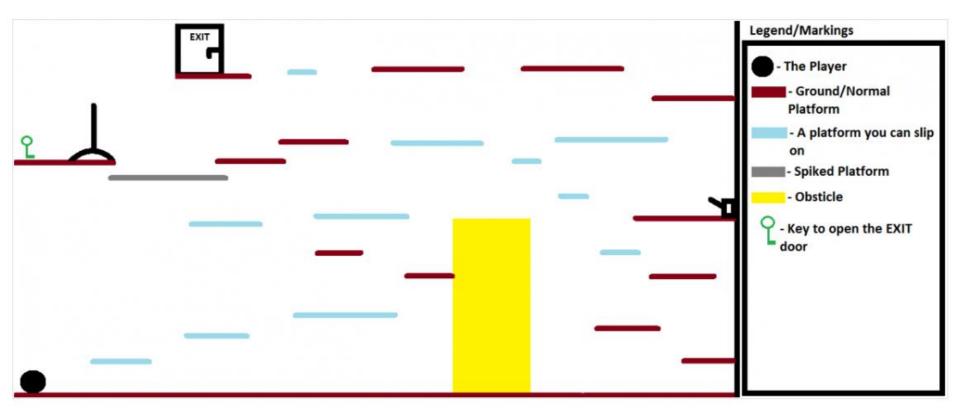
Safe fall



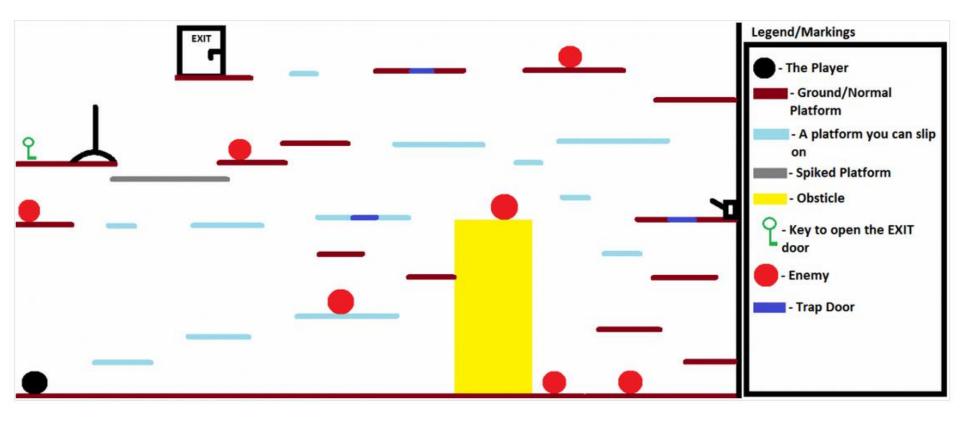
Interactive objects



Playtest!



Add enemies



Sources

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