

Puzzle with Undo / Redo features

About:

A puzzle game where the player may have to use special platforms to tread certain areas of the level and reach the end



Fig 1: View of the level with water, fire, and cheats

Controls:

W, UP arrow – move forward
A, Left arrow – move left
D, Right arrow – move right
S, Down arrow - move backward
Spacebar – Jump
Left mouse button – place the platform
Z – Undo
R - Redo

Components in the game:

Object	What it is	What it does
Red blob	Player	
Colored cubical platforms	Platforms to jump on	Allows the player to jump on it to avoid dangerous surfaces
Blue plane	Water	Drowns the player leading to death
Campfires	Fire	Burns the player leading to death
Blue mystical flowers	Key	The player must collect two to finish the level
Purple turtles	Monsters	Eats the player. Player dies.
Red vine with yellow bulb	Cheat	Gives the player immunity against all obstacles. Players needn't collect keys to pass through the door
Green mystical portal	Portal	The Player passed the level and won the game



Fig 2: Player standing on platforms to avoid the water



Fig 3: Cheat



Fig 4: White monster guarding the key

How to play:

Navigate through the level avoiding monsters, water, and fire. To open the portal, the player must collect two keys. The player can spawn platforms on water and fire to walk on top of it. The player can undo and redo the spawns.

Win condition:

Reach the portal

Lose condition:

1. Fall into the water
2. Walk on fire
3. Touch a monster
4. Spawn more than 15 platforms

The number of lives: Infinite!

Every time the player encounters one of the lose conditions, the game automatically restarts with the player at the starting point.

Constraints:

1. Player can only spawn at most 15 platforms in the game
2. As soon as the player passes the first set of fire, and beyond the wooden fence, the player will be unable to undo or redo any spawns from before. This is to make the game slightly difficult and limit the spawns. The same thing happens before entering the maze section.
3. The platform can only be placed on water and fire.
4. Cheat disappears once the player enters the maze

Cheat:

Collect the red vine with yellow bulb at the beginning of the level to gain immunity and breeze through the level. Once the player gets immunity, they needn't collect keys and can go to the portal directly.