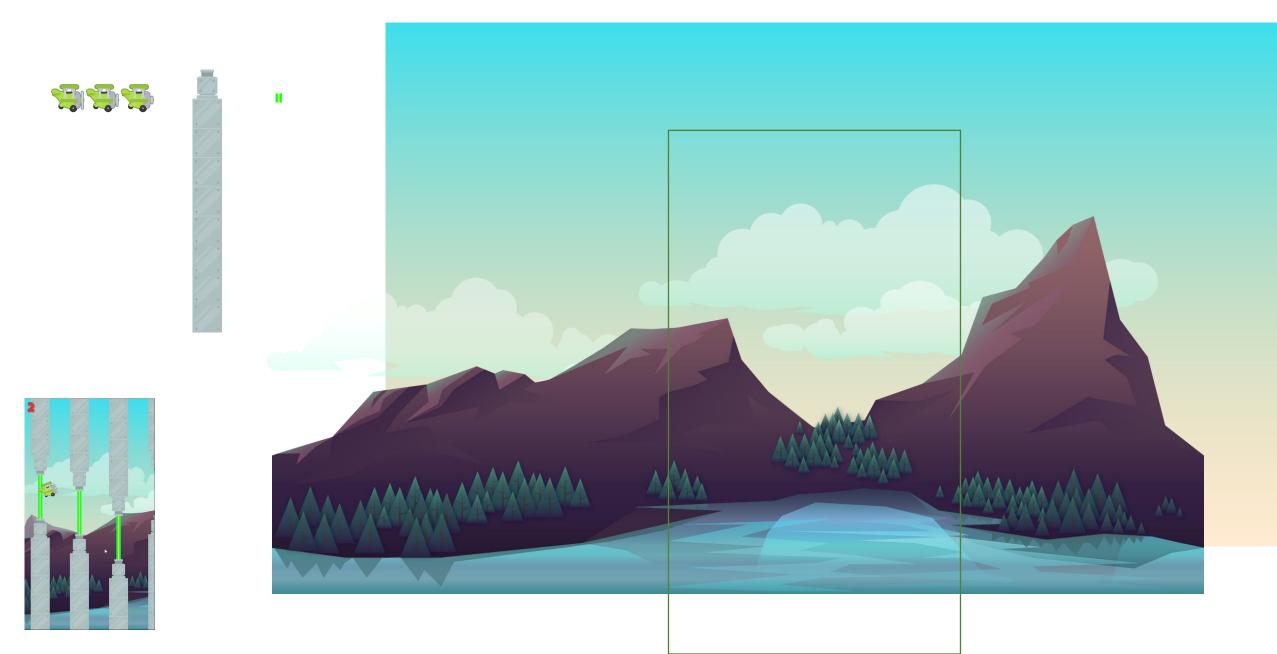
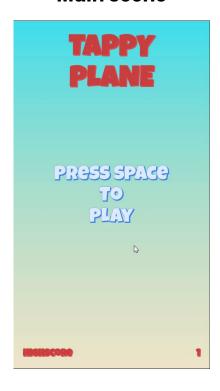
Assets



Main Scene



Game Scene





Plane Scene



Pipe Scene



Pipes Scene

Main Scene



PRESS SPACE TO PLAY

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пошесере

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Plane Scene



Falls with gravity

Press a key to jump

Collides with laser, pipes, floor

Animated propellor



Pipe Scene



Collides with plane



Laser Scene

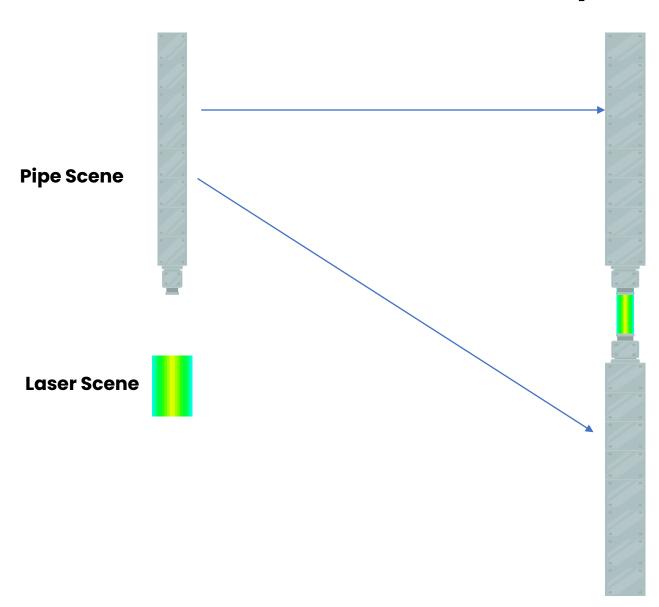


Collides with plane

Signals a score



Pipes Scene



Two Pipe Scenes

One stretched Laser

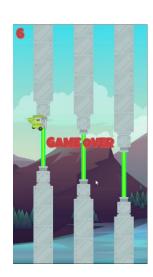
Start off the right of the screen

Scroll from Right to Left with a constant speed

Deleted when going off screen



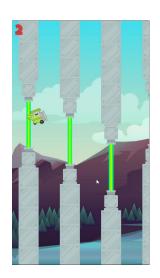




Parallax scrolling background

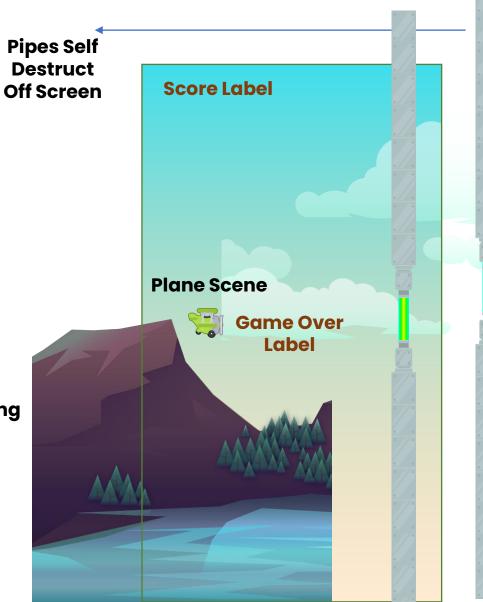


Random Pipes Scene Start position between points





Parallax scrolling background



Pipes Scene

Random Pipes Scene Start position between points







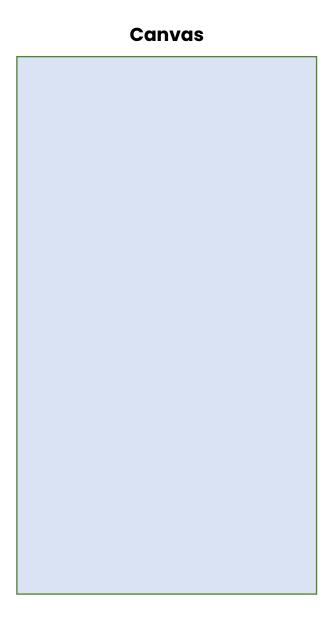
Game Over Label

Canvas

Score Label

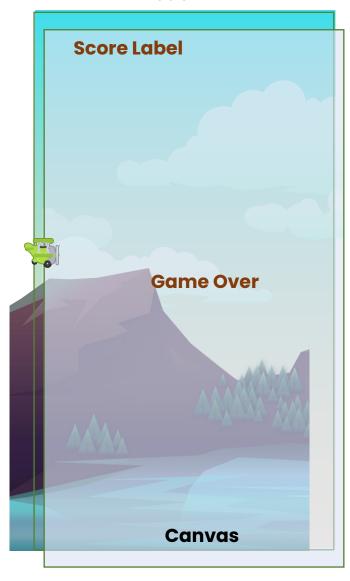
Press Space





UI canvas

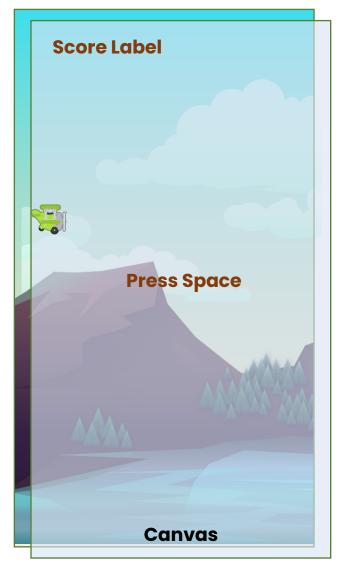
Node2D



Canvas sits on top of the game, and does not "move"

UI canvas

Node2D



Canvas sits on top of the game, and does not "move"

Main Scene



Show highscore

Flashing Press Space Label

Title Label

Music

Canvas

Node2D Canvas



UI Canvas(s)

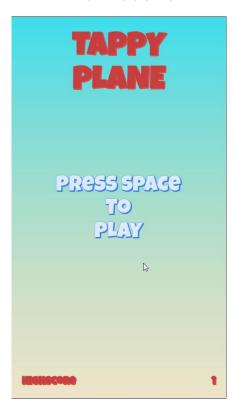


Hold Score Switch Scenes

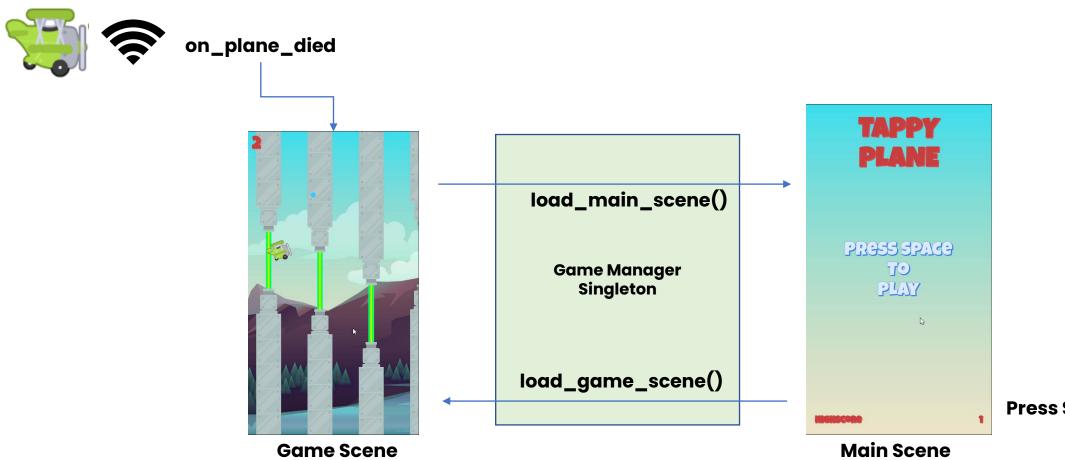
Game Scene



Main Scene



Plane hits floor



Press Space

Plane Scene

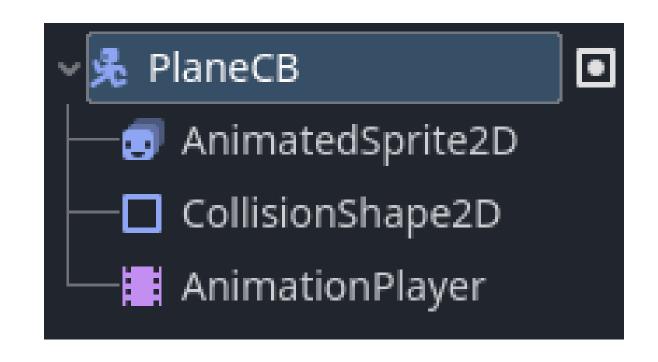


This will be a characterBody2D node.

It will contain three other nodes.

These nodes are the tree.

All together they are the plane "Scene"



Physics2D Nodes



Physics body for 2D physics which is static or moves only by script. Useful for floor and walls.



Specialized 2D physics body node for characters moved by script.

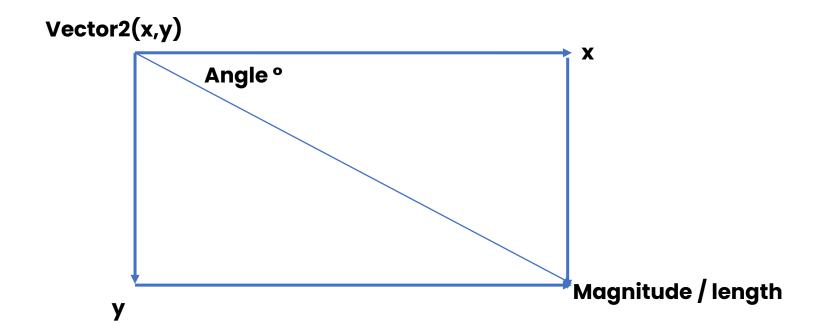


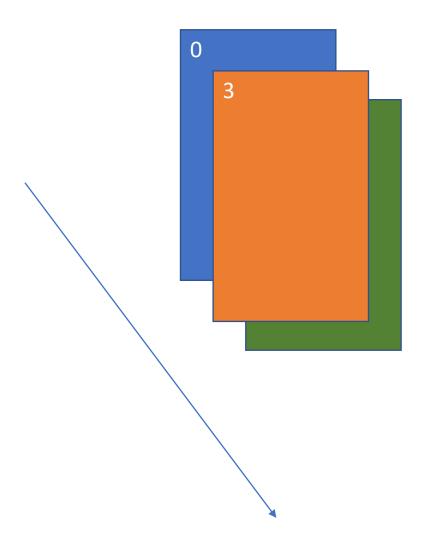
Physics body for 2D physics which moves only by script or animation. Useful for moving platforms and doors.



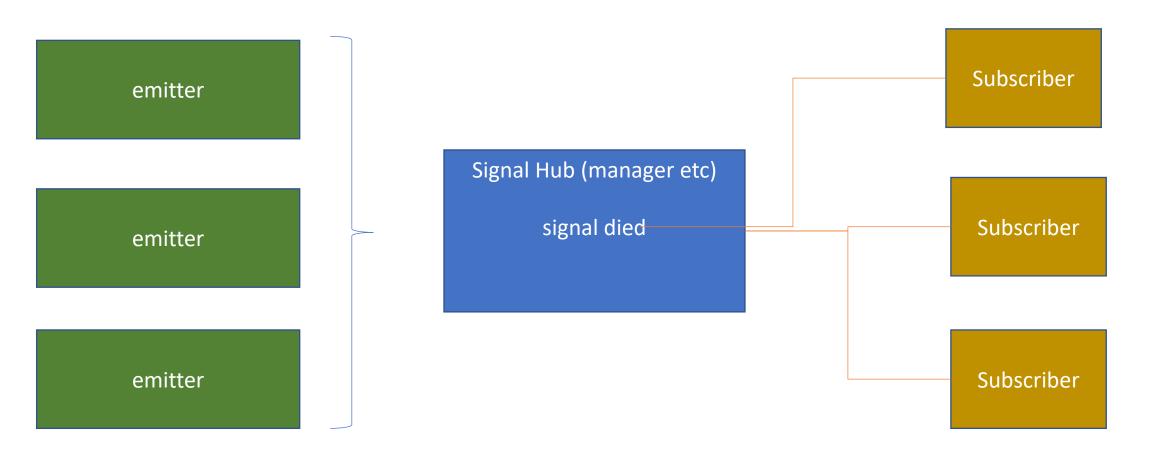
Physics Body which is moved by 2D physics simulation. Useful for objects that have gravity and can be pushed by other objects.

velocity is a Vector2(x,y)

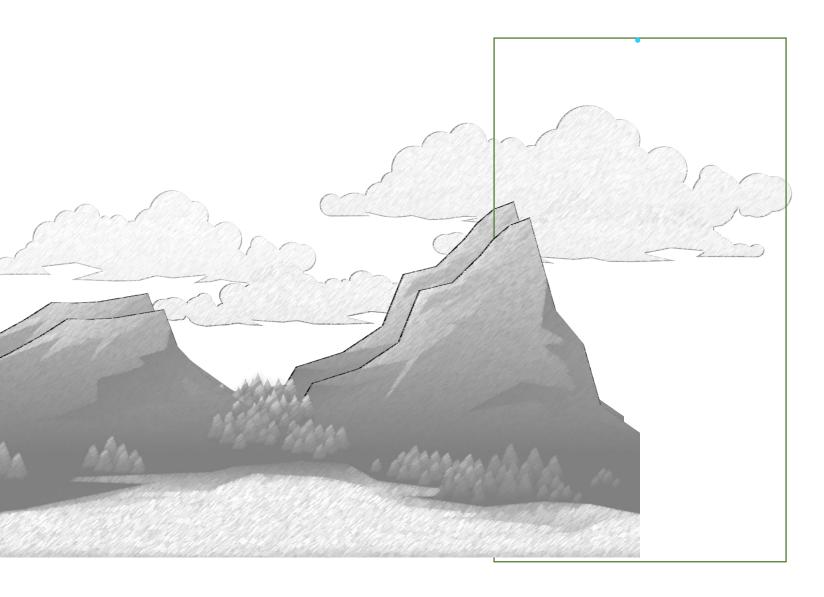


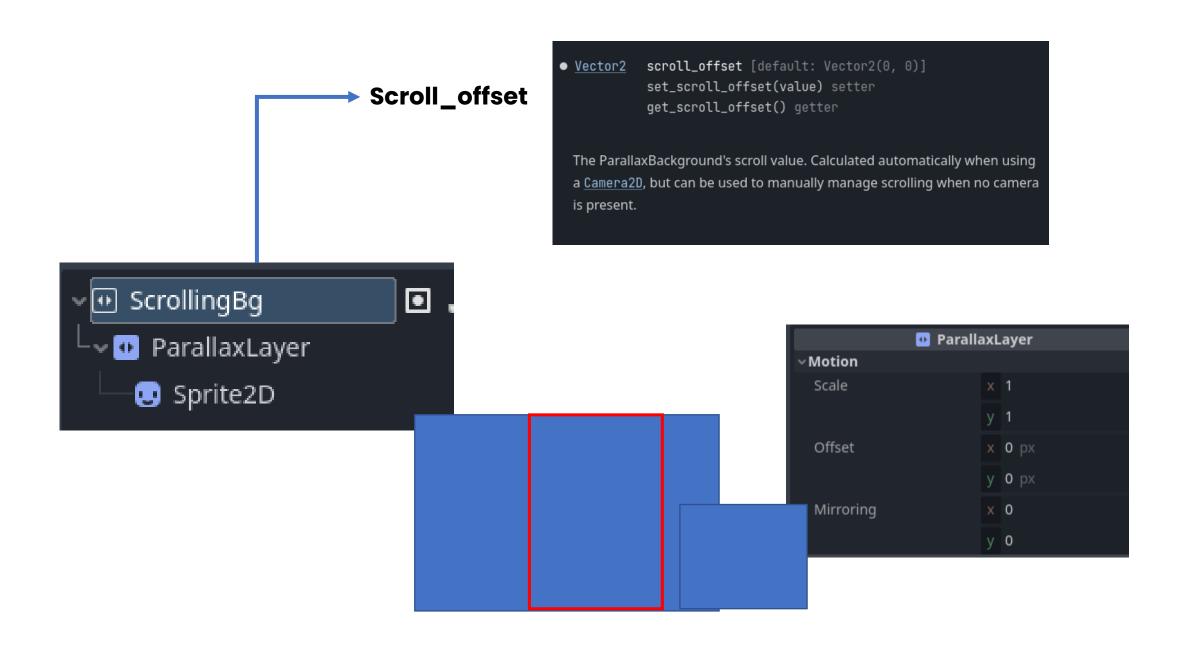


Event / Signal Hub / bus



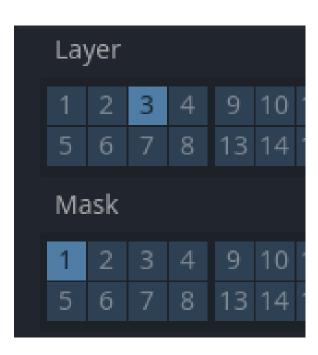
Parallax



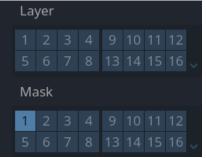


Layer: What layer our collision object is on

Mask: What layer objects will invoke our signal

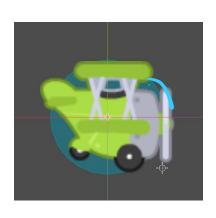


Laser Scene



Layer: 3 (laser)

Mask: 1 (plane)



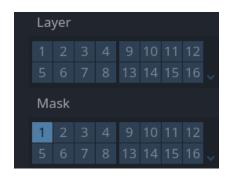
```
func _on_laser_body_entered(body):

43 v if body.is_in_group(GameManager.GROUP_PLANE) == true:

44 n player_scored()

45
```

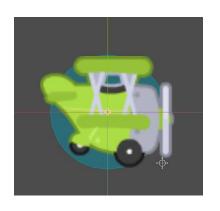
Layer Mask

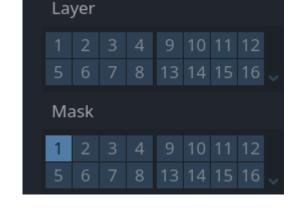


Layer: What am I on

Mask:What layer will make me emit

Pipe Scene





Layer: 2 (pipe)

Mask: 1 (plane)

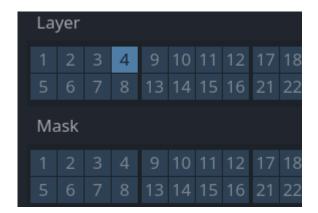
```
47 v func _on_pipe_body_entered(body):

48 v n if body.is_in_group(GameManager.GROUP_PLANE) == true:

49 n body.die()

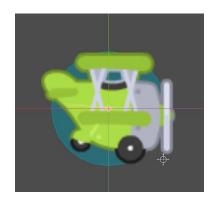
50 n n
```

Floor (Game Scene)



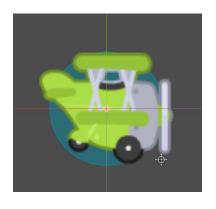
Layer: 4 (floor)

Mask: None





Plane Scene





Layer: 1 (plane)

Mask: 4 (floor)

Is_on_floor() detects
collisions with the floor