DOKUMENTASI "FROGGIN' RUN!"

== NKBB Team ==

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Dokumentasi Demo Game:



Script main.gd:

```
func new game():

#reset variables

score = 0

show_score()

game_running = false

get_tree()_paused = false

difficulty = 0

#delete all obstacles

for obs in obstacles:

obs.queue free()

obstacles.clear()

#reset the nodes

Dino.position = DINO_START_POS

Dino.position = Vector2i(0, 0)

SCamera2D.position = CAM_START_POS

Sino.velocity = Vector2i(0, 0)

#reset hud and game over screen

SHUD.get_node("StartLabel").show()

GameOver.hide()

#called every frame. 'delta' is the elapsed time since the previous frame.

func_process(delta):

if game_running:

#speed up and adjust difficulty

speed = START_SPEED + score / SPEED_MODIFIER

if speed > MAX_SPEED

adjust_difficulty()

#move dino and camera

SDino.position.x += speed

SCamera2D.position.x += speed

#...81#
```

```
• • •
    score += speed
show_score()
                                                                                                                                                                                                 #generate other obstacles
obs = other_scene.instantiate()
                                                                                                                                                                                    func add obs(obs, x, y):
   for obs in obstacles:
if obs.position.x < ($Camera2D.position.x - screen_size.x):
                                                                                                                                                                                       obs.body_entered.connect(hit_obs)
add_child(obs)
        game_running = true
$HUD.get_node("StartLabel").hide()
if obstacles.is_empty() or last_obs.position.x < score + randi_range(300, 500):
var obs_type = obstacle_types[randi() % obstacle_types.size()]
                                                                                                                                                                                    func show score():
    var max obs = difficulty + 1
       obs = obs_type.instantiate()
var obs_height = obs.get_node("Sprite2D").texture.get_height()
       var obs_scale = obs.get_node("Sprite2D").scale
var obs_x : int = screen_size.x + score + 100 + (i * 100)
                                                                                                                                                                                       difficulty = score / SPEED_MODIFIER
if difficulty > MAX_DIFFICULTY:
   #additionally random chance to spawn if difficulty == MAX_DIFFICULTY: if (randi() % 2) == 0:
            var obs_x: int = screen_size.x + score + 100
var obs_y: int = bird_heights[randi() % bird_heights.size()]
                                                                                                                                                                                        game_running = false
$GameOver.show()
```

Script dino.gd:

```
extends CharacterBody2D

const GRAVITY: int = 4200

const JUMP_SPEED: int = -1700

const BACK: int = 3000

const BACK: int = 500

# Called every frame. 'delta' is the elapsed time since the previous frame.

func_physics_process(delta):

velocity.y += GRAVITY* delta

if is_on_floor():

if not get_parent().game_running:

SAnimatedSprite2D.play("idle")

else:

SRunCol.disabled = false

if Input.is_action_pressed("jump"):

velocity.y = JUMP_SPEED

elif Input.is_action_just_pressed("ui_right"):

velocity.x = DASH

elif Input.is_action_just_pressed("ui_fight"):

velocity.x = 0

elif Input.is_action_just_pressed("ui_left"):

velocity.x = BACK

#...25#
```

```
#...25#

clif Input.is_action_just_released("ui_left"):
    velocity.x = 0

#SJumpSound.play()

clif Input.is_action_pressed("ui_down"):
    SAnimatedSprite2D.play("duck")

SAnimatedSprite2D.play("run")

clif !is_on_floor():
    if Input.is_action_pressed("ui_down"):
    velocity.y = FALL

clif Input.is_action_just_pressed("ui_right"):
    velocity.x = DASH

clif Input.is_action_just_released("ui_right"):
    velocity.x = 0

clif Input.is_action_just_pressed("ui_left"):
    velocity.x = BACK

clif Input.is_action_just_released("ui_left"):
    velocity.x = 0

clif in
```