



Endless Runner Game









Jumping or running into **Obstacles** deducts 1 life.





Press Left and Right arrows





Technique in Focus: Centralized Global State Management with Global.gd



To streamline level generation, resource spawning, and game state saving/loading, we implemented a Global.gd singleton autoload script. This file is the backbone of the game's logic.

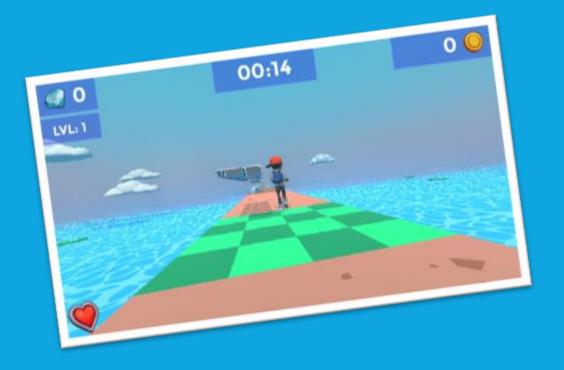
It manages:

- Resource preloading for platforms, obstacles, collectibles
- Level difficulty scaling and time calculation
- Player progression
- Persistent saving/loading system

```
# Level Pass
func level_up():
# Increase level and spawn chances
| level += 1
| obstacle_spawn_chance = min(obstacle_spawn_chance + obstacle_spawn_increase_per_level * (level - 1), 1.0)
| advanced_obstacle_spawn_chance += obstacle_spawn_increase_per_level
| # Check if the score in the previous level met the requirement
| if score >= score_requirement:
| | score_requirement_reached = true
| # Reset for next level
| reset_default_values()
| # Save game
| save_game()
```









dalton5000/Godot-Fontpack

Mixamo (AJ Character)

3D Leap Land Asset Pack by Essssam (itch.io)

Free Fantasy Game GUI by pzUH (itch.io)

Mobile Casual Video Game Music | Royalty-free Music - Pixabay

Resonant Victory - GLBML | Royalty-free Music - Pixabay

Abydos_Musichttps://pixabay.com/users/abydos_music-27178115/



Video Demo

Link for Download : Project_demo.mov



Thank you!

