2D PixelArt Endless Runner

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<u>Goals:</u> - Basics of pixel art - Pixel art animation

Basic 2D Unity game dev
 Basic programming in C#
 Endless Runner prototyping

Vertical slice- simple Endless Runner

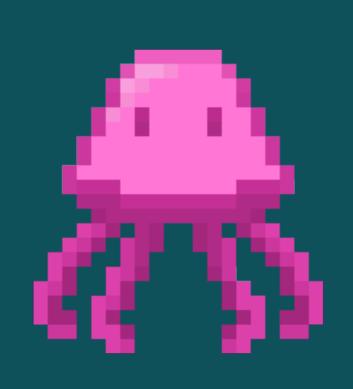


```
using UnityEngine;
   public float startTimeBtwSpawn;
   public float decreaseTime;
                                                                                                                                                   ing UnityEngine;
   public float minTime = 0.65f;
                                                                                                                                                   ing UnityEngine.UI;
                                                                         public float speed;
   private void Update()
                                                                         public float endx;
        if (timeBtwSpawn <= 0)</pre>
                                                                         public float startx;
                                                                                                                                                      public int score;
                                                                                                                                                      public Text scoreDisplay;
            int rand = Random.Range(0, obstaclePatterns.Length);
                                                                         private void Update()
            Instantiate(obstaclePatterns[rand], transform.positi(
                                                                                                                                                      private void Update()
           timeBtwSpawn = startTimeBtwSpawn;
                                                                             transform.Translate(Vector2.left * speed * Time.deltaTime);
            if (startTimeBtwSpawn > minTime) {
                                                                                                                                                          scoreDisplay.text = score.
                startTimeBtwSpawn -- decreaseTime;
                                                                             if (transform.position.x <= endx) {</pre>
                                                                                 Vector2 pos = new Vector2(startx, transform.position.y);
                                                                                 transform.position = pos;
                                                                                                                                                      private void OnTriggerEnter2D(
       else {
            timeBtwSpawn -= Time.deltaTime;
                                                                                                                                                          if (other.CompareTag("Obst
                                                                                                                                                              score++;
                                                                  22 }
                                                                                                                                                              Debug.Log(score);
                                                                         USING UNITYENGINE.UL;
using UnityEngine;
                                                                         public class Player : MonoBehaviou
using UnityEngine.SceneManagement;
                                                                             private Vector2 targetPos;
                                                                                                                using UnityEngine;
                                                                             public float Yincrement;
                                                                                                              5 public class SpawnPoint : MonoBehaviour 🕻
   private void Update()
                                                                                                                    public GameObject obstacle;
       if (Input.GetKeyDown(KeyCode.R)) {
           SceneManager.LoadScene(SceneManager.GetActiveScene
                                                                                                                    orivate void Start()
                                                                              oublic int health = 3;
                                                                                                                        Instantiate(obstacle, transform.position, Quaternion.identi
                                                                               blic GameObject effect;
                                                                               blic Text healthDisplay;
                                 using UnityEngine;
tem.Collections.Generic:
                                                                               blic GameObject gameOver;
tyEngine;
                                                                               blic GameObject jellySound;
ass Obstacle : MonoBehaviour {
                                      public float lifetime:
                                                                               ivate void Update()
 int damage = 1;
                                      private void Start()
                                                                                 healthDisplay.text = health.ToString();
 float speed;
                                         Destroy(gameObject, lifetime);
                                                                                 if (health <= 0) {
 GameObject effect;
                                                                                     gameOver.SetActive(true);
                                                                                     Destroy(gameObject);
 GameObject explosionSound;
 void Update()
                                                                                 transform.position = Vector2.MoveTowards(transform.position, targetPos, speed * Time.deltaTime);
ansform.Translate(Vector2.left * speed * Time.deltaTime);
                                                                                 if (Input.GetKeyDown(KeyCode.UpArrow) && transform.position.y < maxHeight) {</pre>
                                                                                     Instantiate(jellySound, transform.position, Quaternion.identity);
                                                                                     Instantiate(effect, transform.position, Quaternion.identity);
 void OnTriggerEnter2D(Collider2D other)
                                                                                     targetPos = new Vector2[transform.position.x, transform.position.y + Yincrement);
 (other.CompareTag("Player")) {
                                                                                 } else if (Input.GetKeyDown[KeyCode.DownArrow) && transform.position.y > minHeight) {
 Instantiate(explosionSound, transform.position, Quaternion.identity);
                                                                                     Instantiate(jellySound, transform.position, Quaternion.identity);
                                                                                     Instantiate(effect, transform.position, Quaternion.identity);
  Instantiate(effect, transform.position, Quaternion.identity);
                                                                                     targetPos = new Vector2[transform.position.x, transform.position.y - Yincrement);
  other.GetComponent<Player>().health -= damage;
  Debug.Log(other.GetComponent<Player>().health);
  Destroy(pameObject):
```

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1 parallax enviro 1 character 1 animation 1 obstacle 1 death Screen 1 UI element









https://vimeo.com/314507658

https://emiepinkbunny.itoh.io/.jelly

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