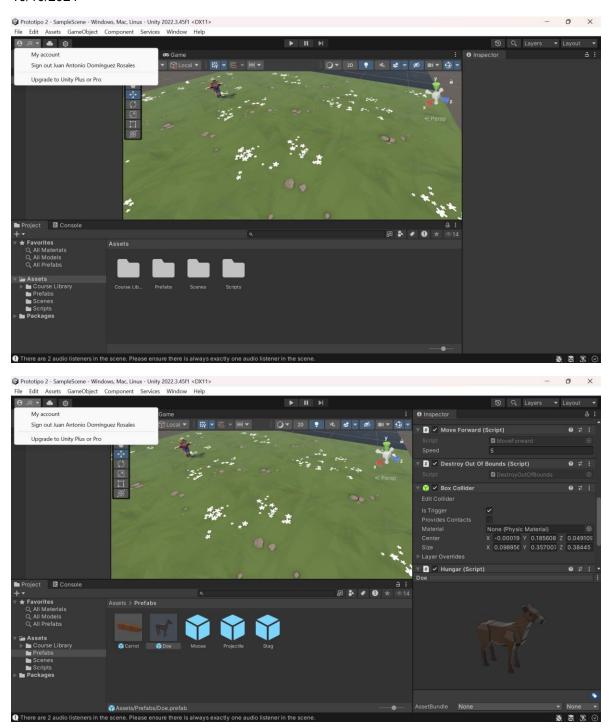
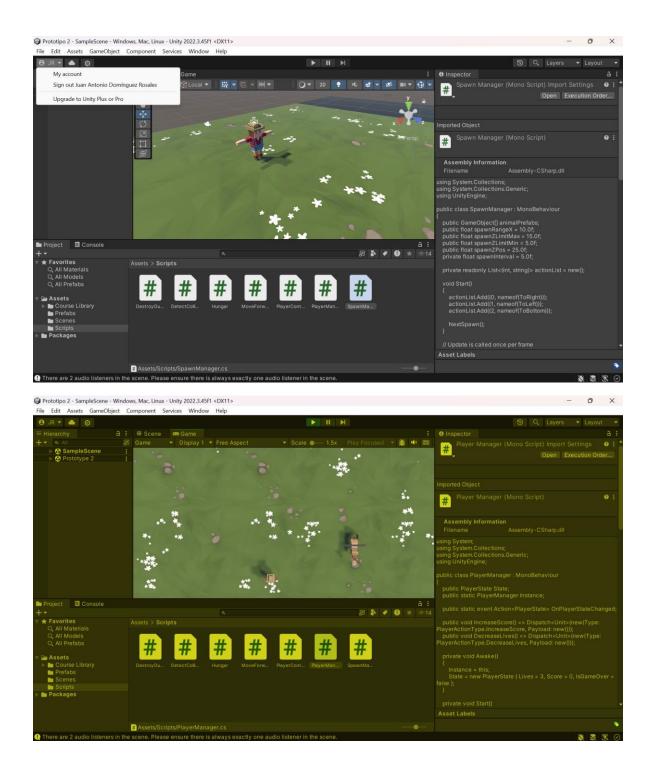
## Prototipo 2

## Juan Antonio Domínguez Rosales - GIDS4102

## 10/10/2024

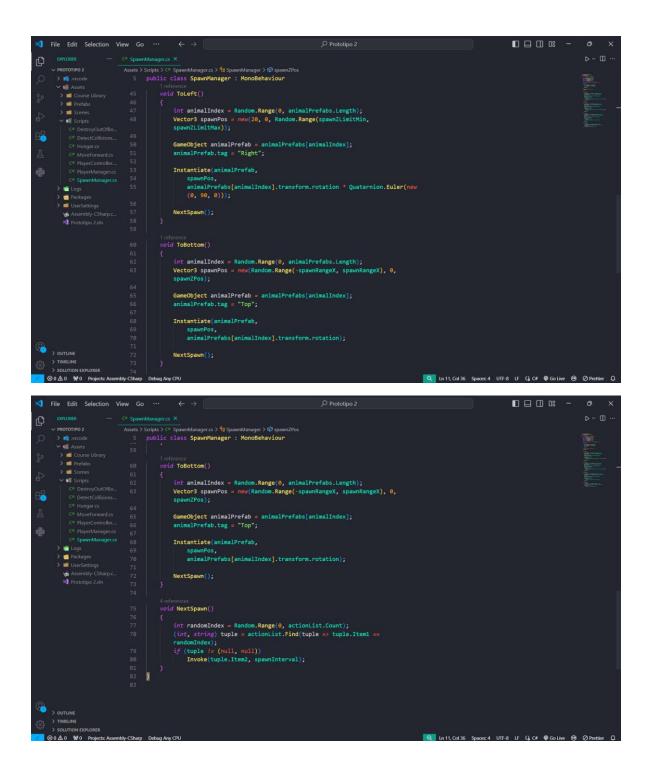






```
Assets > Script of SpawnManager.cs > ﴿ SpawnManager > ﴿ SpawnZPos 1 using System.Collections; 2 using System.Collections.Generic; 3 using UnityEngine; 4
         > iii Course Library
> iii Prefabs
> iii Scenes
> iii Scripts
                                      5 public class SpawnManager : MonoBehaviour
6 [
 2
                                       public GameObject[] animalPrefabs;
                                       2 references

8 public float spawnRangeX = 10.0f;
                                                    void Start()
                                                  dots start()
{
   actionList.Add((0, nameof(ToRight)));
   actionList.Add((1, nameof(ToLeft)));
   actionList.Add((2, nameof(ToBottom)));
}
                                                         NextSpawn();
                                                    void Update()
                                                                                                                                                                                                         Ф
                                    Assets > Scripts > C** SpawnManager.cs > % SpawnManager > Ø spawnZPos
5 public class SpawnManager: MonoBehaviour
24
       > 15 .vscode
> 16 .vscode
> 16 Assets
> 16 Course Library
> 16 Prefabs
> 16 Scenes
> 16 Scripts
                                                   void Update()
 o
                                                  GameObject animalPrefab = animalPrefabs[animalIndex];
animalPrefab.tag = "Left";
                                                         Instantiate(animalPrefab,
                                                              spawnPos,
animalPrefabs[animalIndex].transform.rotation * Quaternion.Euler(new
                                                        NextSpawn();
                                                     1 reference
void ToLeft()
                                                        int animalIndex = Random.Range(0, animalPrefabs.Length);
Vector3 spawnPos = new(20, 0, Random.Range(spawnZLimitMin,
spawnZLimitMax));
                                                        GameObject animalPrefab = animalPrefabs[animalIndex];
animalPrefab.tag = "Right";
```



```
6 public class PlayerManager : MonoBehaviour
7 {
 0
                                                           public PlayerState State;
                                                            7 references
public static PlayerManager Instance;
                                                            public static event Action<PlayerState> OnPlayerStateChanged;
                                                            public void IncreaseScore() => Dispatch<Unit>(new(Type: PlayerActionType.
IncreaseScore, Payload: new()));
                                                            public void DecreaseLives() => Dispatch<Unit>(new(Type: PlayerActionType. DecreaseLives, Payload: new()));
                                                                 Instance = this;
State = new PlayerState { Lives = 3, Score = 0, IsGameOver = false };
                                                                 Debug.Log("Lives = " + State.Lives);
Debug.Log("Score = " + State.Score);
                                                                                                                                                                                                  Q Ln 1, Col 1 Spaces: 4 UTF-8 LF 🕻 C# 🖗 Go Live
                                                                                                                                                                                                                                          O

    ∨ PROTOTL... (*) ET **D **B*
    > ■ Assets
    > ■ Course Library
    > ■ Prefabs
    > ■ Scenes
    ✓ ● Assets
    > ■ Scenes
    ✓ ● Scripts
    C* DestroyOutOf8o...
    C* Hungar.cs
    C* MoveForward.cs
    C* PlayerController...
    C** PlayerController...
    C** PlayerManager.cs
    C** SpawmManager.cs
    → ■ Legs
    DestroyDive Scharp.c...
    M Prototipo 2.sin

    V PROTOTIL. [¹, [²], [³] [³] [³]
    Assets > Scripts > (** PlayerManager.s >...

    > □ vicode
    6
    public class PlayerManager : MonoBehaviour

    ∨ ⑥ Assets
    21

                                                         0 references
private void Start()
{
    Debug.Log("Lives = " + State.Lives);
    Debug.Log("Score = " + State.Score);
 6
                                                           2 references
private void Dispatch<T>(PlayerAction<T> action)
                                                           {
    switch (action.Type)
                                                                 {
    case PlayerActionType.IncreaseScore:
    HandleIncreaseScore();
                                                                          break;
case PlayerActionType.DecreaseLives:
HandleDecreaseLives();
                                                                             throw new ArgumentOutOfRangeException(nameof(action), action,
null);
                                                            private void HandleIncreaseScore()
     ⊗ 0 △ 0 ₩ 0 Projects: A
```

