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using UnityEngine.SceneManagement;
using UnityEngine;
using UnityEngine.UI;

public class WindowStaticRallyScene : MonoBehaviour
{
    private GameObject playerTarget;
    private GameObject RaccingEnemy1;
    private GameObject RaccingEnemy2;

    private GameObject _finish;

    public Camera Camera;
    public Text TimeText;
    public Text TimerText;
    public Text Position;
    public Button _buttonBack;

    public static float[] SaveFinalTime = new float[3];
    public static float timer { get; set; }
    void Start()
    {
        //Debug.Log($"Speed= {ButtonCarsScenes.SaveBasicSpeed}\tControll=
{ButtonCarsScenes.SaveBasicControl}");
        ButtonCarsScenes.SaveBasicSpeed *= 5;
        ButtonCarsScenes.SaveBasicControl *= 5;
        _finish = GameObject.Find("Finish");

        playerTarget = GameObject.Find("PlayerCar");
        playerTarget.transform.position = Vector3.zero;
        playerTarget.transform.position = new Vector3(0f, 2f, 3f); //Spawn
        playerTarget.layer = 8;
        foreach (Transform child in
playerTarget.GetComponentInChildren<Transform>(true)) //Зміна слоя в
дочірніх об'єктів (в наошому випадку колес)
        {
            child.gameObject.layer = LayerMask.NameToLayer("Player");
        }
        RaccingEnemy1 = GameObject.Find("RaccingEnemy1");
        RaccingEnemy1.transform.position = Vector3.zero;
        RaccingEnemy1.transform.position = new Vector3(-2f, 2f,
3f); //Spawn
        RaccingEnemy1.layer = 9;
        foreach (Transform child in
RaccingEnemy1.GetComponentInChildren<Transform>(true))
        {
            child.gameObject.layer =
LayerMask.NameToLayer("PaccingEnemy1");
        }
        RaccingEnemy2 = GameObject.Find("RaccingEnemy2");
        RaccingEnemy2.transform.position = Vector3.zero;
        RaccingEnemy2.transform.position = new Vector3(-4f, 2f,
3f); //Spawn
        RaccingEnemy2.layer = 10;
        foreach (Transform child in
RaccingEnemy2.GetComponentInChildren<Transform>(true))
        {
            child.gameObject.layer =
LayerMask.NameToLayer("PaccingEnemy2");
        }
        Physics2D.IgnoreLayerCollision(8, 9);
    }
}

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Physics2D.IgnoreLayerCollision(8, 10);
Physics2D.IgnoreLayerCollision(8, 5);
Physics2D.IgnoreLayerCollision(9, 10);
Physics2D.IgnoreLayerCollision(9, 5);
Physics2D.IgnoreLayerCollision(10, 5);

TimeText.enabled = false;
_buttonBack.onClick.AddListener(() => Back());
timer = 0;
}
private void RemoveListener()
{
    _buttonBack.onClick.RemoveListener(() => Back());
}
float timeRun = 0;
void Update()
{
    if (Input.GetMouseButtonUp(0))
    {
        RemoveListener();
    }
    PositionS();
    if (Input.anyKeyDown) //якщо буде нажата будь яка кнопка
    {
        MoveCar.Move = true;
        Position.enabled = true;
    }
    if (MoveCar.Move)
    {
        TimerText.enabled = true;
        timer += Time.deltaTime;
        if (timer <= 1)
        {
            TimerText.color = Color.green;
        }
        if (timer >= 2 && timer < 3)
        {
            TimerText.color = Color.yellow;
        }
        TimerText.text = $"{timer:0}";
        if (timer >= 3)
        {
            TimerText.color = Color.red;
            TimerText.text = "Run!!!";
        }
        if (timer >= 4)
        {
            TimerText.enabled = false;
        }
    }
    Camera.transform.position = new
Vector3(playerTarget.transform.position.x,
playerTarget.transform.position.y + 3f, 0f);

////////////////////////////////////
if (TriggerStaticRally.kilkist >= 1 && TriggerStaticRally.kilkist
<= 6)
{
    TimeText.enabled = true;
    timeRun += Time.deltaTime;

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        TimeText.text = $"Time: {timeRun:0.0} s";
    }
    if (TriggerStaticRally.kilkist == 4)
    {
        //first = timeRun;
        SaveFinalTime[0] = timeRun;
    }
    //Debug.Log($"First= {first}\t And {SaveFinalTime[0]}");
    if (TriggerStaticRally.kilkist == 5)
    {
        //second = timeRun;
        SaveFinalTime[1] = timeRun;
    }
    //Debug.Log($"second= {second}\t And {SaveFinalTime[1]}");
    if (TriggerStaticRally.kilkist == 6)
    {
        SaveFinalTime[2] = timeRun;
        MoveCar._Speed = 0f; //Anyway
        TriggerStaticRally.kilkist = 0;
        playerTarget.GetComponent<Rigidbody2D>().bodyType =
RigidbodyType2D.Dynamic;
        RaccingEnemy1.GetComponent<Rigidbody2D>().bodyType =
RigidbodyType2D.Dynamic;
        RaccingEnemy2.GetComponent<Rigidbody2D>().bodyType =
RigidbodyType2D.Dynamic;
        Object.DontDestroyOnLoad(playerTarget);
        Object.DontDestroyOnLoad(RaccingEnemy1);
        Object.DontDestroyOnLoad(RaccingEnemy2);
        SceneManager.LoadScene(7); //Загрузити сцену закінчення гри
для мульти плеєра
    }

////////////////////////////////////
    if (Input.GetKeyDown(KeyCode.Escape))
    {
        //Object.DontDestroyOnLoad(playerTarget);
        Destroy(playerTarget);
        Destroy(RaccingEnemy1);
        Destroy(RaccingEnemy2);
        SaveFinalTime = null;
        timer = 0;
        TriggerStaticRally.positionWin = null;
        TriggerStaticRally.kilkist = 0;

        SceneManager.LoadScene(0);
    }
}
void PositionS()
{
    int dista=0;
    float dist1 =
Vector2.Distance(playerTarget.gameObject.transform.position,
_finish.transform.position);
    float dist2 =
Vector2.Distance(RaccingEnemy1.gameObject.transform.position,
_finish.transform.position);
    float dist3 =
Vector2.Distance(RaccingEnemy2.gameObject.transform.position,
_finish.transform.position);
    if (dist1 < dist2 && dist1 < dist3)
    {

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        dista = 1;
    }
    if (dist1 < dist2 && dist1 > dist3 || dist1 < dist3 && dist1 > dist2)
    {
        dista = 2;
    }
    if (dist1 >= dist2 && dist1 >= dist3)
    {
        dista = 3;
    }
    //Debug.Log($"headin  {dist1}\theadin  {dist2}\theadinFinish
{dist3}");
    Position.text = $"Position: {dista}";
}

public void Back()
{
    Destroy(playerTarget);
    Destroy(RaccingEnemy1);
    Destroy(RaccingEnemy2);

    SaveFinalTime = null;
    timer = 0;
    TriggerStaticRally.positionWin = null;
    TriggerStaticRally.kilkist = 0;

    WindowGameScene.SaveFinalTime = 0f;
    MoveCar.SaveFinalSpeed = 0f;
    ButtonCarsScenes.SaveBasicControl = 0f;
    ButtonCarsScenes.SaveBasicSpeed = 0f;
    MoveCar._Speed = 0f;
    TriggersGameScene.namber = 0;
    SceneManager.LoadScene(2);
}
}

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