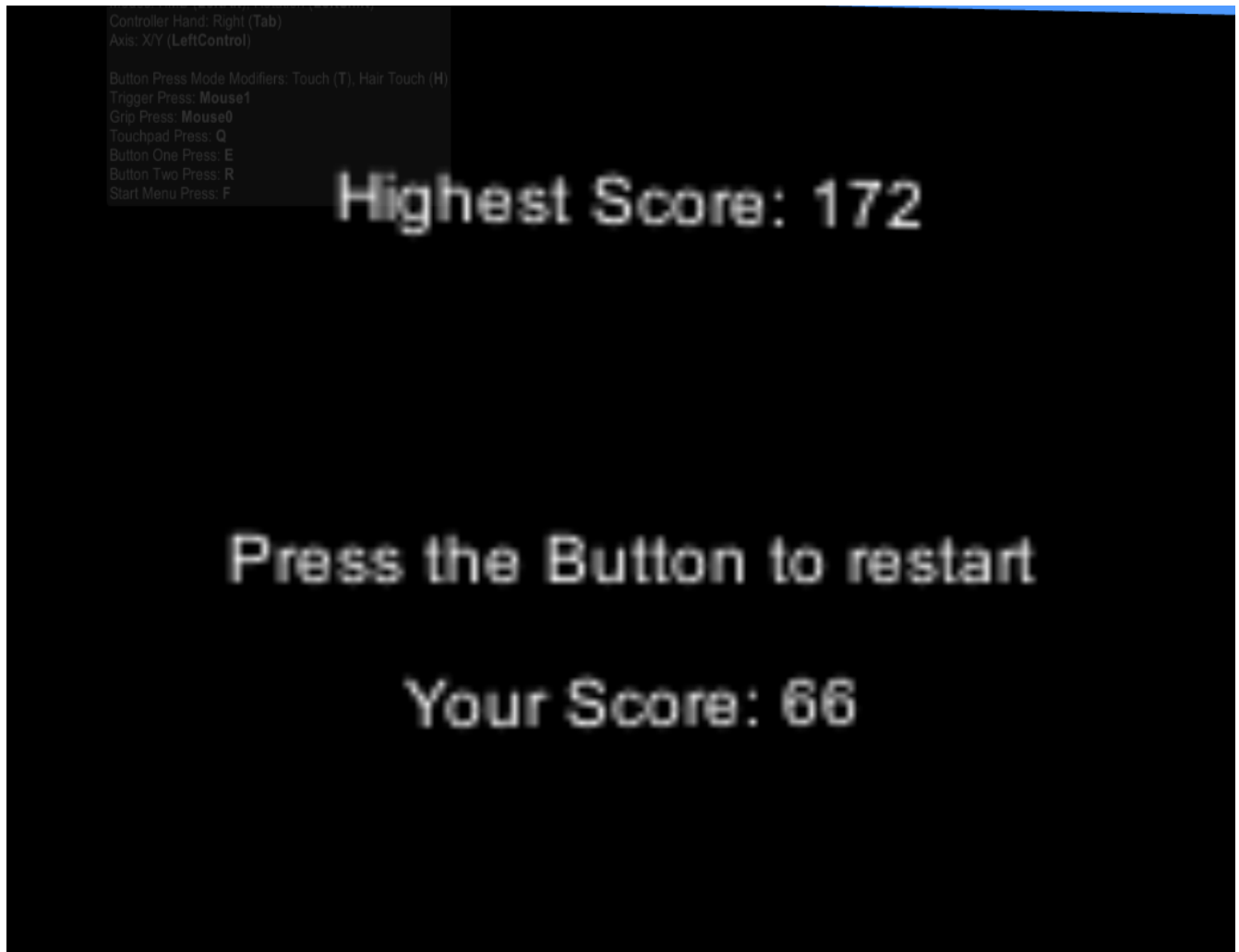


2019/3/26 上机练习进阶要求实现报告

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1. 历史最高分的记录和展示



```
//GameManager.cs  
//OnDeath
```

```
score += 0.5f * pickupNum;  
float curMax = PlayerPrefs.GetFloat("score");  
if (score > curMax) // 更新最高分  
{  
    curMax = score;  
    PlayerPrefs.SetFloat("score", curMax);  
}  
  
currentScore.SetActive(false);  
deathMenu.GetComponent<DeathMenu>().Show((int)score, (int)curMax); //显示最高分
```

2. 随游戏进程增加游戏难度

```
//TileManager.cs
//spawnRandomTile

///// 随游戏进程增加hurdle的数量
float time = Time.timeSinceLevelLoad;
int num = Mathf.Max((int)time / 25, 5);
spawnTile(index, num);
```

3. 添加游戏BGM和拾取PickUp音效

4. 实现游戏的初始界面

使用StartMenu来显示游戏标题，点击屏幕开始游戏



5.实现游戏场景中的PickUp收集和计数



//TileManager.cs

```
IEnumerator InitPickUp()
{
    yield return new WaitForSeconds(0.5f);
    while (true)
    {
        int Cnt = Random.Range(2, 5);
        for (int i = 0; i < Cnt; i++)
        {
            ////不断在player前方生成PickUp
            Vector3 playerPos = playerTransform.position;
            Vector3 rockPosition = new Vector3(Random.Range(-1.2f, 1.2f), 1.0f,
playerPos.z + 10.0f);
            Quaternion spawnRotation = Quaternion.identity;
            Instantiate(PickUp, rockPosition, spawnRotation);

            yield return new WaitForSeconds(0.5f);
        }
        yield return new WaitForSeconds(2.0f);

        if (GameManager.Instance.IsDead()) break;
    }
}
```

```
}  
}
```

//PlayController.cs

```
void OnTriggerEnter(Collider other) {  
    if(other.CompareTag("Collisionwall") || other.CompareTag("Fallwall"))  
    {  
        gameManager.OnDeath(true);  
    }  
    if(other.CompareTag("Pick Up"))  
    {  
        gameManager.addPickUp();//计数并显示  
    }  
}
```