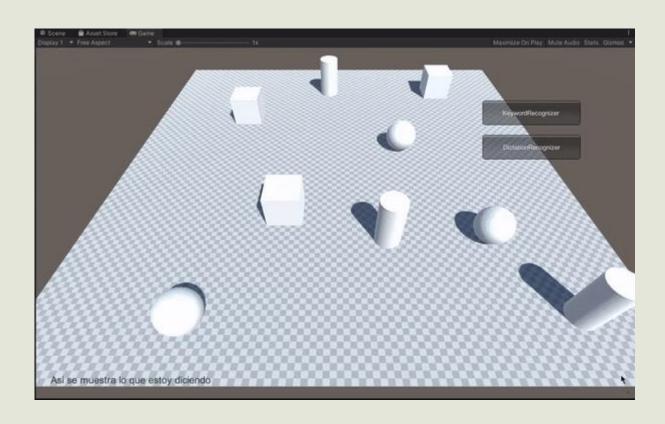


Resumen práctica

Se pide mostrar el funcionamiento de KeywordRecognizer, indicando qué palabras se espera capturar, y de DictationRecognizer, mostrando las frases devueltas por el objeto. Ambas clases no deben estar activas al mismo tiempo, sino que el usuario deberá poder escoger cuál quiere utilizar.

Ejecucion



KeywordRecognizer

```
using System;
using System.Text;
using UnityEngine;
using UnityEngine.Windows.Speech;
public class KeywordScript : MonoBehaviour
       private bool activated_ = false;
  public string[] m_Keywords;
  private KeywordRecognizer m Recognizer;
  void Start()
       m_Keywords = new string[] {"Cubos", "Bolas", "Cilindros"};
   m_Recognizer = new KeywordRecognizer(m_Keywords);
   m Recognizer.OnPhraseRecognized += OnPhraseRecognized;
  private void OnPhraseRecognized(PhraseRecognizedEventArgs args)
   StringBuilder builder = new StringBuilder();
   builder.AppendFormat("{0} ({1}){2}", args.text, args.confidence, Environment.NewLine);
   builder. Append Format ("\tTimestamp: \{0\}\{1\}", args.phrase Start Time, Environment. New Line);\\
   builder.AppendFormat("\tDuration: {0} seconds{1}", args.phraseDuration.TotalSeconds, Environment.NewLine)
   Debug.Log(builder.ToString());
    Accion(args.text);
```

```
if(!activated_) // No esta en uso
                           if(GUI.Button(new Rect(Screen.width/2+300, Screen.height/2-250, 200, 50), "KeywordRec
       m_Recognizer.Start();
                          if(GUI.Button(new Rect(Screen.width/2+300, Screen.height/2-250, 200, 50), "Stop Keywc
                                   m_Recognizer.Stop();
                                   activated_ = false;
                         GUI.Label(new Rect(Screen.width/2+340, Screen.height/2-200, 200, 50), "Listening...")
       private void OnDestroy()
  m_Recognizer.Dispose();
private void Accion (string word)
       switch (word)
       GameObject[] cubos;
cubos = GameObject.FindGameObjectsWithTag("Cubo");
       foreach(GameObject cubo in cubos) {
  cubo.GetComponent<Renderer>().enabled=false;
      GameObject[] bolas;
bolas = GameObject.FindGameObjectsWithTag("Bola");
       foreach(GameObject bola in bolas) {
  bola.GetComponent<Renderer>().enabled=false;
                }
break:
                case "Cilindros":
                         GameObject[] cilindros;
       cilindros = GameObject.FindGameObjectsWithTag("Cilindro");
       foreach(GameObject cilindro in cilindros) {
  cilindro.GetComponent<Renderer>().enabled=false;
```

DictationRecognizer

public class DictationScript : MonoBehaviour private bool activated_ = false; private Text m_Hypotheses; [SerializeField] private Text m_Recognitions; private DictationRecognizer m_DictationRecognizer; m_DictationRecognizer = new DictationRecognizer(); m_DictationRecognizer.DictationResult += (text, confidence) => Debug.LogFormat("Dictation result: {0}", text); m_Recognitions.text += text + "\n"; m_DictationRecognizer.DictationHypothesis += (text) => Debug.LogFormat("Dictation hypothesis: {0}", text); m_Hypotheses.text += text; m_DictationRecognizer.DictationComplete += (completionCause) => if (completionCause != DictationCompletionCause.Complete) Debug.LogErrorFormat("Dictation completed unsuccessfully: {0}.", completionCause); m_DictationRecognizer.DictationError += (error, hresult) => Debug.LogErrorFormat("Dictation error: {0}; HResult = {1}.", error, hresult); void OnDestroy() m_DictationRecognizer.Dispose(); void OnGUI() if(!activated_) // No esta en uso if(GUI.Button(new Rect(Screen.width/2+300, Screen.height/2-180, 200, 50), "Dictation m_DictationRecognizer.Start(); activated_ = true; else if(GUI.Button(new Rect(Screen.width/2+300, Screen.height/2-180, 200, 50), "Stop Dicta m_DictationRecognizer.Stop(); GUI.Label(new Rect(Screen.width/2+340, Screen.height/2-130, 200, 50), "Listening...")