

Expand your Frontiers in High Technical Skills and Public Speaking

Intellectual Output 3

VR App

User Manual

V1.0

2020-1-FR01-KA226-VET-094712



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Excellent Public Speaking VR App – User Manual

V1.0, May 2023.

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Introduction

This document makes integral part off all development material for the third Intellectual Output of ERASMUS+ project Expand your Frontiers in High Technical Skills and Public Speaking, 2020-1-FR01-KA226-VET-094712.

The document presents and describes the use of the main features of the Virtual Reality (VR) Application for mobile device (APP) developed during this project. The system includes an APP and a web application that supports the App management.

App Installation

The App will be available on Google Play for free download. Meanwhile, da App can be installed accessing the corresponding apk in:

https://drive.google.com/drive/folders/1vOVbAAubjFqL089nNVFsatuXlsh9UIOv?usp=drive_link

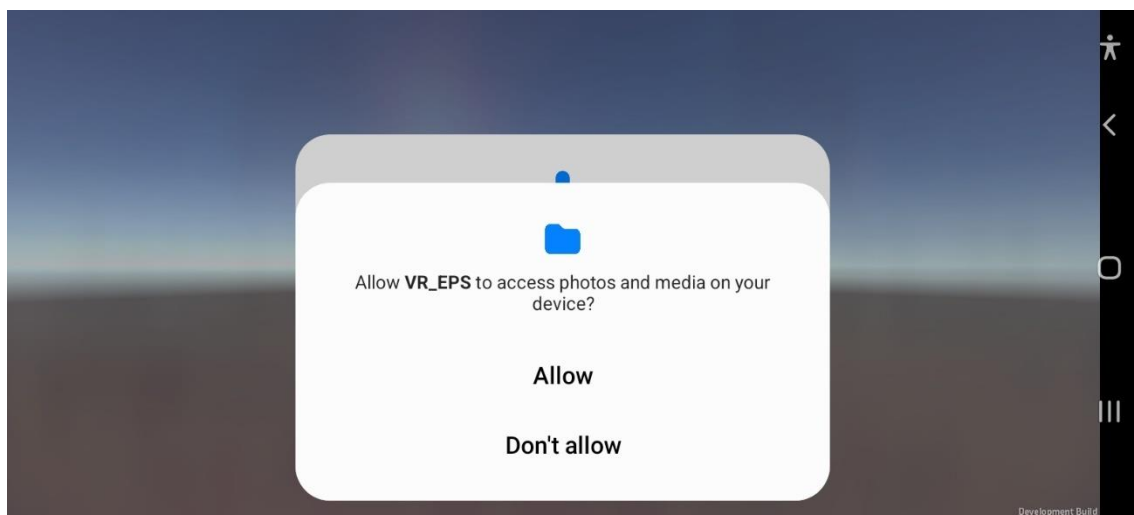


Figure 1 - Smartphone camera access

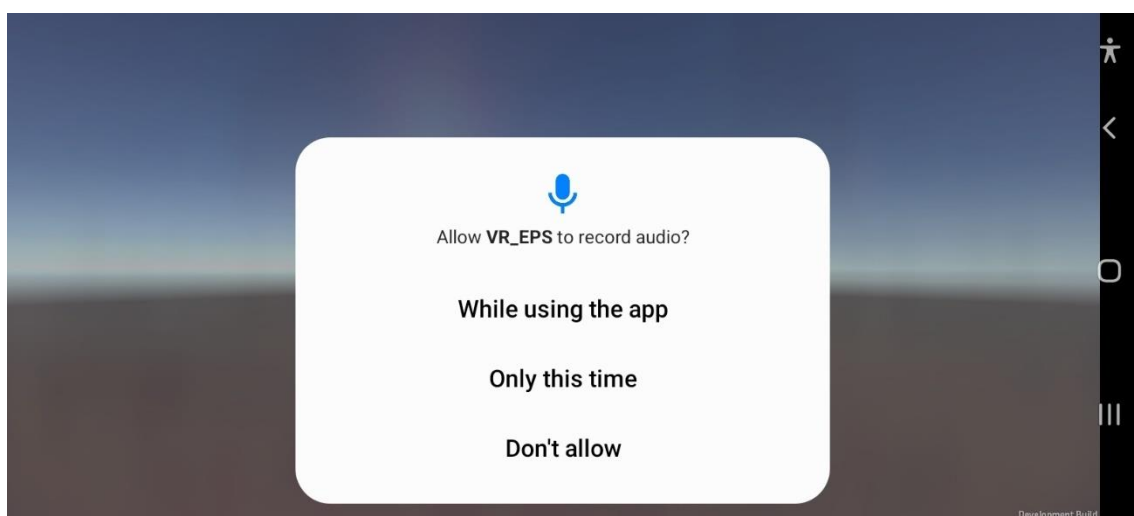


Figure 2 - Smartphone video recording

During the installation, it could be necessary to allow access to the smartphone camera (Figure 1) and media, as well as allow recording video (Figure 2).

App

User Account:

Before using the application, a user account is required. Sign In if you already have an account; otherwise, a new account must be created.

Access the Application: Sign In

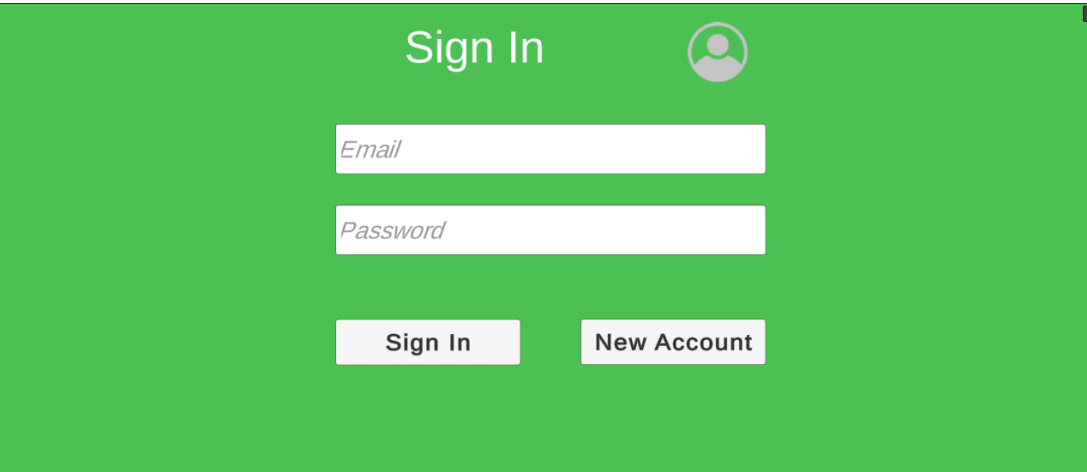
The image shows the 'Sign In' screen of an application. The background is a solid green color. At the top center, the text 'Sign In' is displayed in white. To the right of the text is a white circular icon containing a grey silhouette of a person's head and shoulders. Below the title, there are two white rectangular input fields. The first field is labeled 'Email' in a light grey font, and the second field is labeled 'Password' in a light grey font. At the bottom of the screen, there are two white rectangular buttons. The left button is labeled 'Sign In' and the right button is labeled 'New Account', both in black text.

Figure 3 - Initial page of the App

Fill with your credentials: email and password

New account

The image shows the 'Create Account' screen of an application. The background is a solid green color. At the top center, the text 'Create Account' is displayed in white. Below the title, there are several white rectangular input fields and a group of radio buttons. The first two fields are labeled 'First Name' and 'Last Name'. Below these is a group of three radio buttons labeled 'Gender:', with options 'Male' (selected), 'Female', and 'Other'. Below the gender options is a 'Birthday:' field with a placeholder 'DD / MM / YYYY'. Below the birthday field is a 'Country:' field with a dropdown arrow. Below the country field is an 'Idiom:' field with a dropdown arrow. Below the idiom field are three more white rectangular input fields labeled 'Email', 'Password', and 'Confirm Password'. At the bottom of the screen, there are two white rectangular buttons. The left button is labeled 'Sign Up' and the right button is labeled 'SignIn', both in black text.

Figure 4 - Account creation

It requires:

<i>First and Last Name</i>	First and last name of the user
<i>Gender</i>	Male, Female, Other
<i>Birthday</i>	Date of Birth (optional)

<i>Country</i>	Select the name of the country
<i>Idiom</i>	Select the preferred idiom of the application
<i>Email</i>	Syntax: aaa@bbb.c
<i>Password</i>	Any character
<i>Confirm Password</i>	Any character

Using the Application

SignIn

After sign in, you have access to your home context. In there you can observe all your previous exercises and speeches.

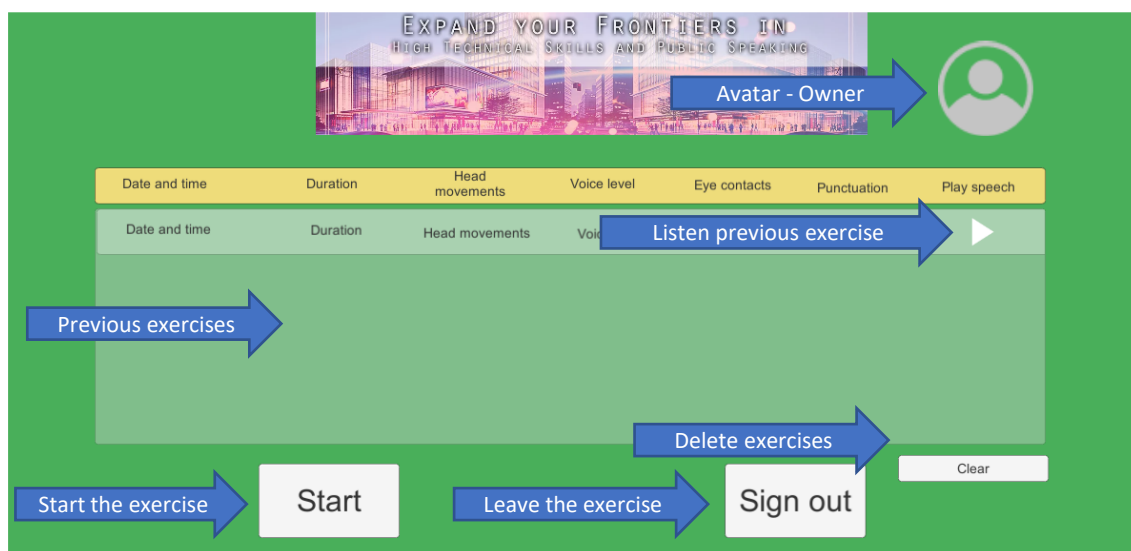


Figure 5 - Initial user page

<i>Start</i>	start a new exercise of public speaking
<i>Sign Out</i>	leave the application
<i>Table</i>	review previous exercises, including earing previous speeches
<i>User Avatar</i>	Allow to confirm the owner of the current session
<i>Clear</i>	Delete all existing exercises

Selecting Scenarios

The experience starts by selecting one of the existing scenarios. Is it possible to see all other existing scenarios.



Figure 6 - Scenarios selection

To continue the exercise, a scenario must be selected (checkbox below each scenario)

<i>Previous scenario</i>	Move left for more existing scenarios
<i>Next scenario</i>	Move right for more existing scenarios
Left green arrow	Go back in the exercise
Right green arrow	Continue the exercise

Selecting Speeches

After having selected a scenario (Figure 6), you can define the way you want to make the exercise. You can select a particular idiom (different of your own), an existing speech to follow or even try a free speech (Figure 7).

<i>Previous speech</i>	Move left for more existing speeches
<i>Next speech</i>	Move right for more existing speeches
Left green arrow	Go back in the exercise
Right green arrow	Continue the exercise

To continue the exercise, you can choose a scenario (checkbox on right top corner of each presented scenario) or just go forward and experiment a free speech.

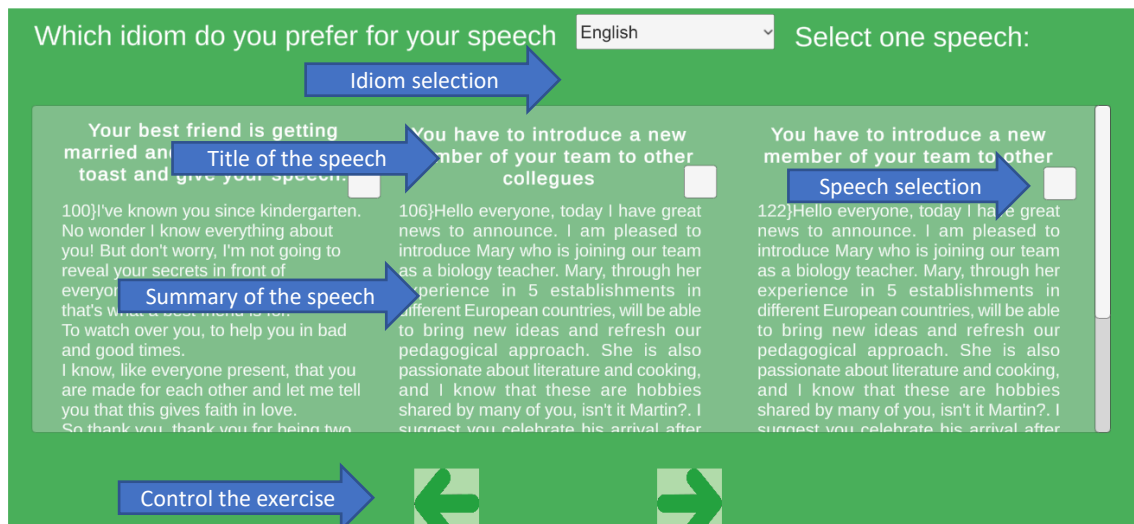


Figure 7 - Speeches selection

Next steps of the exercise require your Google Cardboard.

Preparing the Google cardboard

Follow existing folding instructions (on the cardboard).



Figure 8 - Preparing the Google Cardboard

Making the speech exercise

This step of the process must be supported using the Google Cardboard. Having the cardboard in your eyes, you can look around and see all the scenario details. You have a writing text that represents your selected speech. You must read it in voice. Once you want to start the exercise, press the *Start* button (put the white dot over the start button, until it gets green (Figure 10), then tap using your cardboard controlling button). The white dot in the middle of the screen represents the direction of what you are looking for.

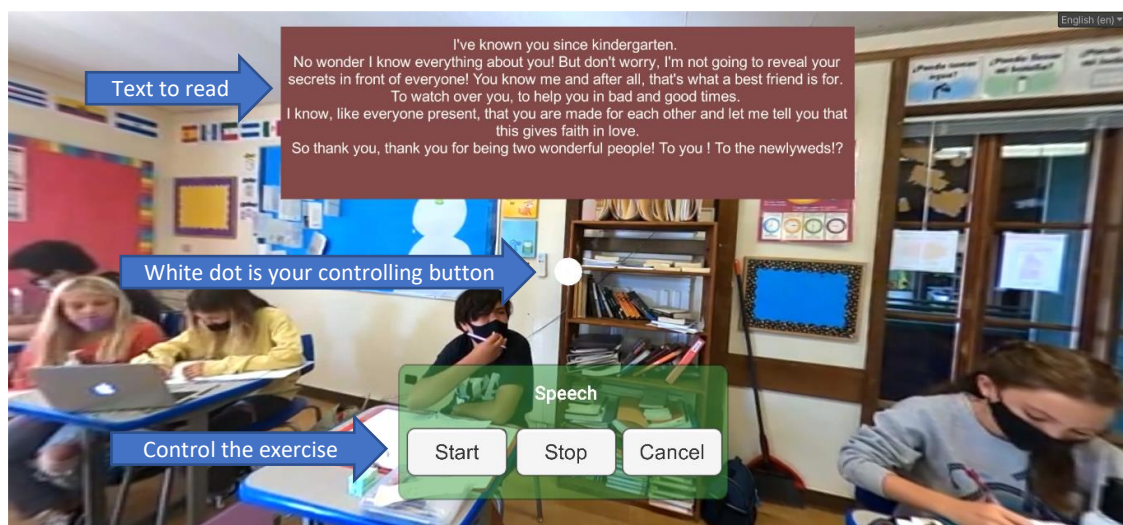


Figure 9 - Speech exercise

Start	Start the speech exercise, reading the text or speaking freely.
Stop	Terminate the speech exercise
Cancel	Go back in the exercise

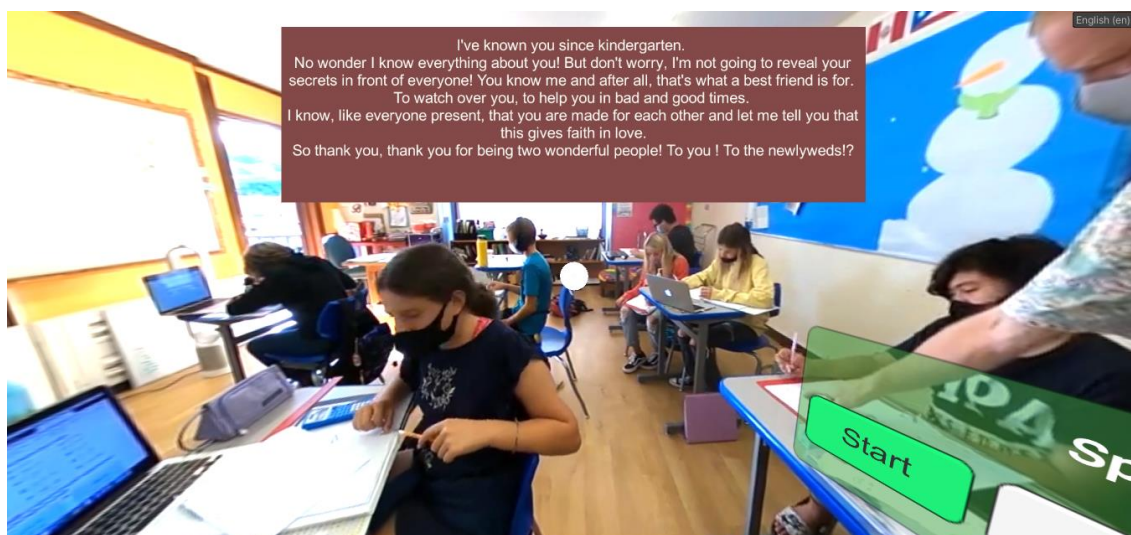


Figure 10 – Starting the exercise

Speech assessment

Since you conclude your speech exercise (after *Stop* button pressed), the speech is analysed and assessed. A dashboard appears with all the indicators results. In this moment you can ear your speech, save your exercise, repeat another exercise, or even return to you home page (*Back* button).



Figure 11 - Exercise assessment

>	Earing the speech
Save	Save the speech
Repeat	Repeat new exercise
Back	Return to home page

Web Application

The web application represents the backend to manage all system entities, namely: users, speeches and scenarios. There are two allowed profiles: *admin* and *user*.

Access the web application

<http://eps.ipca.pt>

SignIn

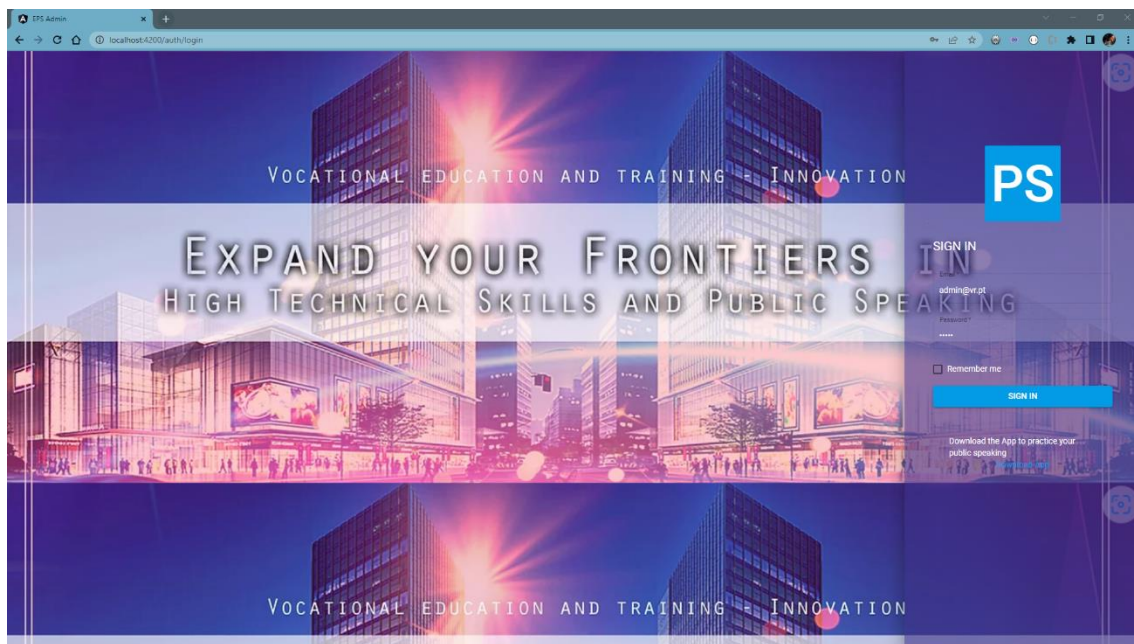


Figure 12 - Backend login page

It is possible to sign in the application as administrator (*admin*) or another registered user. The registration credentials must be used¹.

After signed in (Figure 12), the initial dashboard allows to manage users (if signed in as *admin*), speeches and scenarios.

Users Management

The dashboard for Users management (Figure 13) is only allowed for admin profile. It allows to observe users' details, users suspension or even removing definitely them from the platform.

¹ The admin credentials will be shared by the IO3 responsible entity

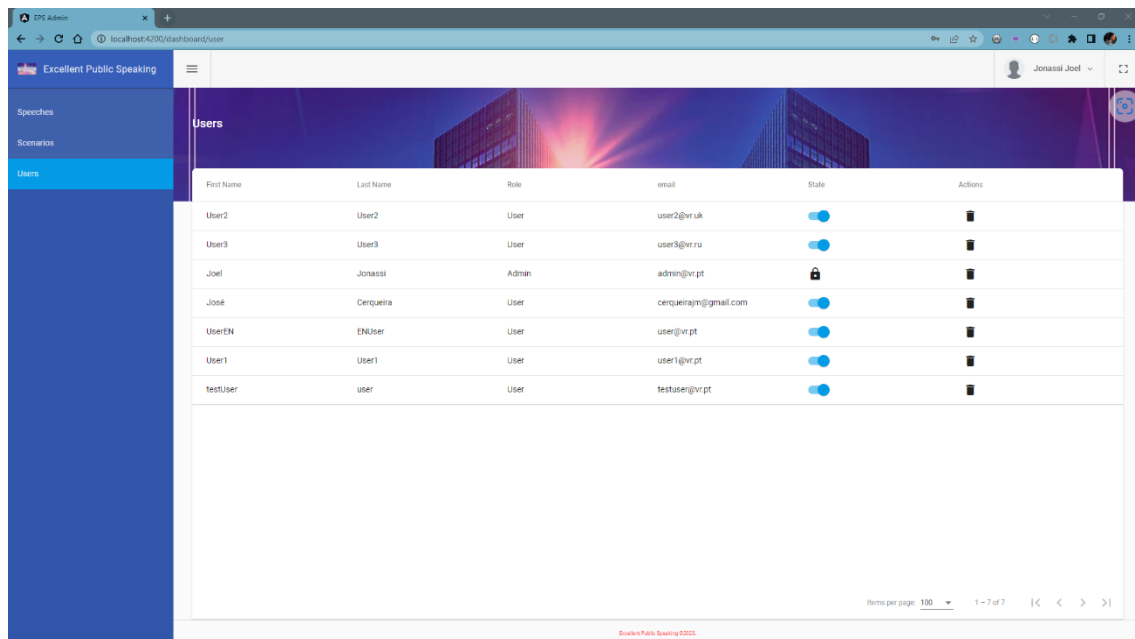


Figure 13 – Dashboard for users management

Scenarios Management

Scenarios can be uploaded, analysed, suspended, and even removed. Each uploaded scenario can be previewed.

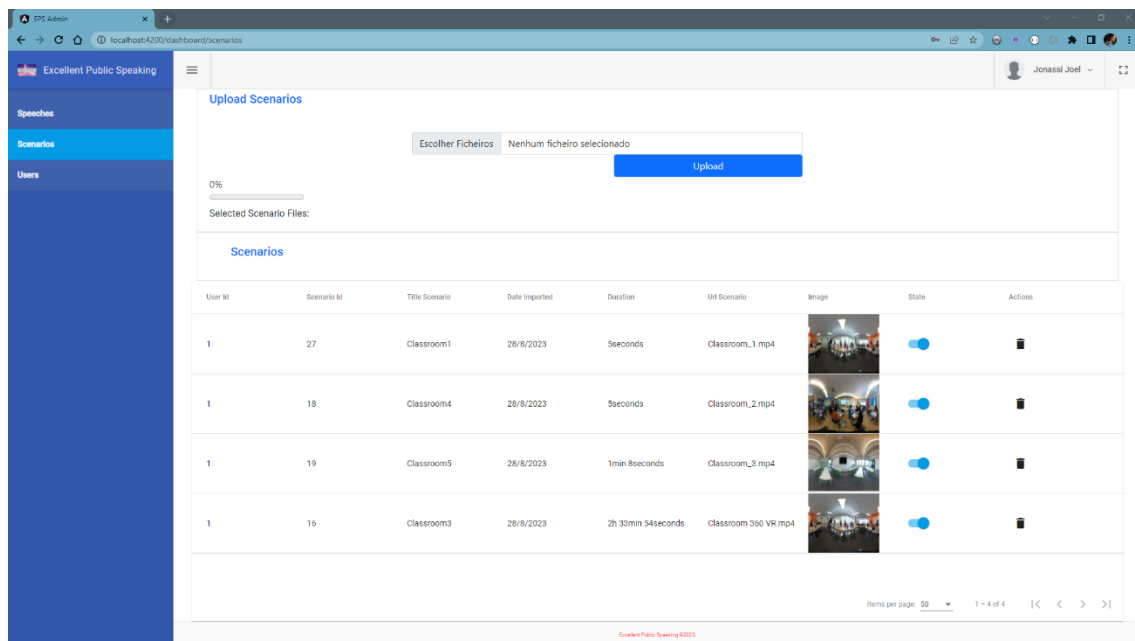
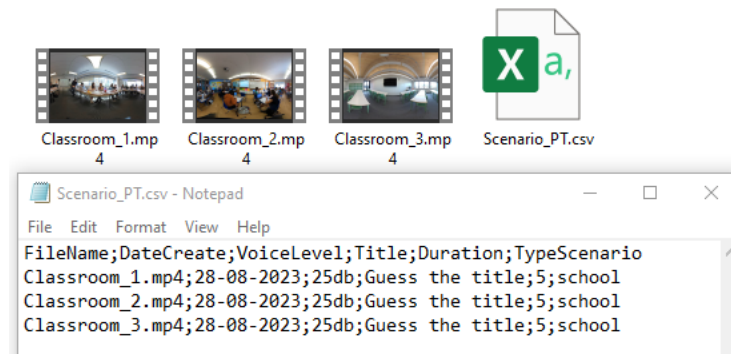


Figure 14 - Dashboard for speeches management

Scenarios can be uploaded automatically and in bulk, i.e., many at the same time. To upload scenarios, it must be prepared previously, following the next instructions:

1. Each scenario can be a picture or a movie (normal or 3D movie). Their files name must have the syntax: "scenario_seqNumber_country.mp4". For instance, "scenario1_UK.mp4" or "scenario2_UK.mp4"

Eg:



2. Select the scenarios to be uploaded
3. After concluded, the new scenarios will be listed in the table.

Speeches Management

Speeches can be uploaded, analysed, suspended, and even removed. Each speech can be previewed.

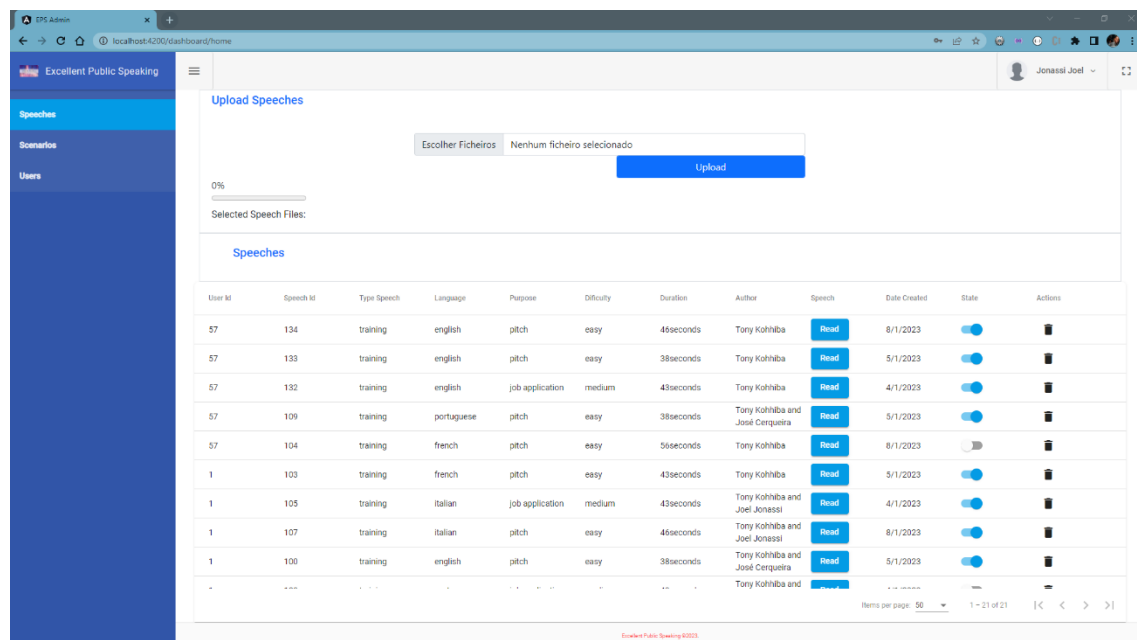


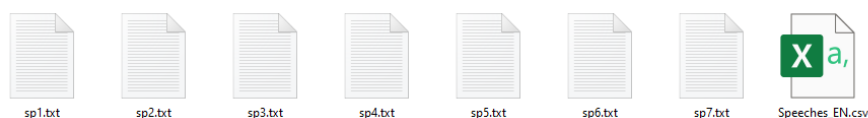
Figure 15 - Dashboard for speeches management

Speeches can be uploaded automatically and in bulk, i.e., many at the same time. To upload speeches, it must be prepared previously, following the next instructions:

1. Each speech should be a text file. Their files name must have the syntax: Create each speech in a separate file, naming them following the syntax “spseqName.txt”. For instance, “sp1.txt”
2. An index file must be created. This file must be an Excel file, have de extension “.csv” and follows the structure. In this file must described all speeches intended to upload.

FileName	Purpose	TypeSpeech	Duration	Dificulty	Idiom	NumberWords	AuthorName	DateCreation	DateUpdate
----------	---------	------------	----------	-----------	-------	-------------	------------	--------------	------------

Eg:



Speeches_EN.csv - Notepad

FileName	Title	Purpose	TypeSpeech	DurationSeconds	Dificulty	Idiom	NumberWords	AuthorName	DateCreation	DateUpdate
sp1.txt	You have to impress the human ressources director during a job interview.	Job application	Training	43	Medium	English	83	Tony Kohhiba	04/01/2023	
sp2.txt	Your best friend is getting married and it's time for you to toast and give your speech.	Pitch	Training	38	Easy	English	91	Tony Kohhiba	05/01/2023	
sp3.txt	You are facing a group of people sitting in front of you	Lecture	Training	777	Difficult	English	1833	Tony Kohhiba	06/01/2023	
sp4.txt	You must explain the rules of the game to your students outdoors before starting a game	Presentation	Training	118	Medium	English	297	Tony Kohhiba	07/01/2023	
sp5.txt	You have to introduce a new member of your team to other colleagues	Pitch	Training	46	Easy	English	98	Tony Kohhiba	08/01/2023	
sp6.txt	You have to present your yearly results	Presentation	Training	118	Difficult	English	234	Tony Kohhiba	09/01/2023	
sp7.txt	You must convince your colleagues to vote for you as union representative	Pitch	Training	118	Difficult	English	297	Tony Kohhiba	10/01/2023	

3. To upload, select the index file (*.csv) and corresponding speeches files (*.txt).
4. After concluded, the new speeches will be listed in the table