**API Documentation - Languru**

**Overview**

We use a Rapid API for our mobile application. This API allows us to generate a pronunciation assessment after the user records their voice in English.

Pronunciation API supports only WAV, MP3, M4a, OGG.

**API Limit**

The maximum audio length is 50 seconds. In order to assess the accuracy of the voice record, the audio length recommended is not to exceed 20 seconds.

**Authentication requirement**

API key

X-RapidAPI-Key':'5623000057mshd4b67eaccabf3f7p1b2ec9jsn33578c2e2c23'

**Input**

**Example input**

Request type: POST

Code Snipe:

import axios from 'axios';

const options = {

method: 'POST',

url: 'https://pronunciation-assessment1.p.rapidapi.com/pronunciation',

headers: {

'content-type': 'application/json',

'X-RapidAPI-Key': '5623000057mshd4b67eaccabf3f7p1b2ec9jsn33578c2e2c23',

'X-RapidAPI-Host': 'pronunciation-assessment1.p.rapidapi.com'

},

data: {

{

"audio\_base64": "",

"audio\_format": "wav",

"text": apples"

}

**Output**

Status: 200 - response successful. The API will return result after assess voice audio

* label:"apples"
  + - label:"AE"
    - label\_ipa:"æ"
    - confidence:67
    - score:94
    - error:false
      * + label:"AE"
        + label\_ipa:"æ"
        + confidence:67
        + label:"EY"
        + label\_ipa:"eɪ"
        + confidence:2
        + label:"\_"
        + label\_ipa:"\_"
        + confidence:2

The API output is a JSON object including:

score: The total score of the audio record.

words: Contains the list of words in the expected content, each word object contains.

* word.label: The label assigned to the specific word.
* word.score: Pronunciation score at the word level.
* word.syllables: A list of syllables within the word, with each syllable object containing:
  + syllable.label: CMU label for the syllable.
  + syllable.label\_ipa: IPA label for the syllable.
  + syllable.score: Pronunciation score at the syllable level.
  + syllable.phones: A list of phonemes within the syllable.

Additionally, the word.phones section contains details about phonemes within the word, where each phone object includes:

* phone.label: The CMU label for the phoneme (CMU phonemes list reference available).
* phone.label\_ipa: The IPA label for the phoneme (IPA phone set reference available).
* phone.score: A numeric pronunciation score, rated out of 100, for the specific phoneme.