Front-End Developer Test

The aim of the test is to have a prototype of an interactive sound recording metadata matcher.

A sound recording is the fixation of a musical performance event. It is identified by the International Standard Recording Code (ISRC). Other metadata that represent a sound recording are: title, artist, duration, etc.

We want to match sound recordings from an input report against the sound recordings that we already have in our database. This matching will be interactive. The user should be able to easily choose a sound recording from the candidates provided by an automatic matching, search the whole database to choose another sound recording and create a new sound recording if there's no matching sound recordings.

Once the user resolves an input line, it should disappear from the input report list.

Part 1: Matching candidates

sound_recordings.csv contains the metadata that represent the sound recordings database.

sound_recordings_input_report.csv contains the metadata that should be matched against that database.

From one hand, the interface will show the metadata from the input report and, from the other, the database candidates. Obviously, the candidates will change depending on the sound recording selected from the input report.

For example:

- Selected input metadata:

Artist	Title	ISRC	Duration
Ed Sheeran	Shape of You		233

- Candidates:

Artist	Title	ISRC	Duration
Ed Sheeran	Shape of You	GBAHS1600463	233
Ed Sheeran	Shape of You (Latin Remix)	GBAHS1700245	

Part 2: Search the whole database

If the user considers that the candidates are not good enough, it should be able to search the whole database and choose any sound recording from it.

Part 3: Create a new sound recording in the database

If the user doesn't find any similar sound recording in the database, it should be able to create a new database entry from the input metadata.

Instructions

- The front-end should be written in Angular 6+.

- The UI has to be in a single page.

- Instructions should be provided on how to execute your code.

- Pretty designs are welcome.

Questions

For each part of the test:

1. Describe why you choose this layout.

2. What would you do to improve the user experience?