

Front End Developer Exam

Introduction

This exam will use the SoundCloud API to fetch data and display it on a page. SoundCloud is a platform which gives users access to a library of tracks. These tracks can be embedded and played on other web pages. The SoundCloud API allows you to query the tracks.

Apart from the SoundCloud API, you are allowed to make use of any library you see fit to help you complete the task. Assume you are developing this for the latest Chrome release, so no need to support old browsers.

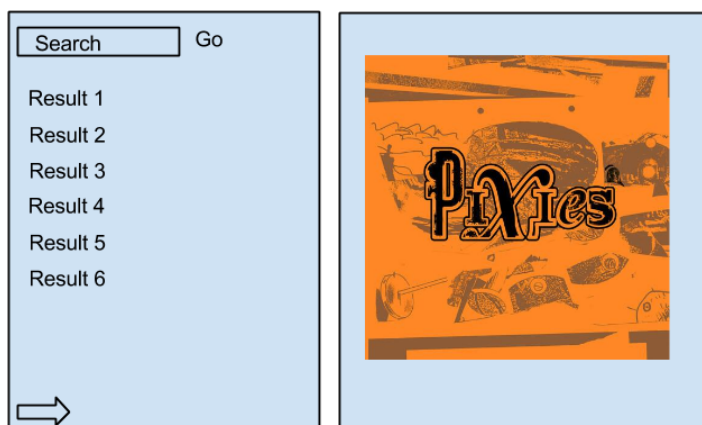
The SoundCloud documentation can be found here:

<https://developers.soundcloud.com/docs/api/guide>

When asked for a client_id please use: **d 652006c469530a4a7d6184b18e16c81**

There is **no need for authentication**, so if you find yourself going down that path with the SoundCloud API, you're probably in the wrong direction.

The Layout



Create an HTML page with the following items:

1. Search container which contains
 1. A text box
 2. A button or link to trigger the search
 3. A container for the search results
 4. A next button at the bottom
2. Image container

The Task

1. Use the SoundCloud API to allow the user to search for anything entered in the search box. The names of the results should be displayed as a list below the textbox. Only fetch 6 results at a time.
2. When clicked, the next button should display the next 6 results instead of the current results
3. When a search result is clicked, it should fly to the Image Container, fade out and the image for the search result should fade in instead.
4. When clicking the central image, embed the track below the image and make it play

What we're looking for

- Well written code broken into logical components that interact with each other.
- Framework implementation (Angular, Backbone, etc) or “vanilla” JavaScript implementation a plus.

Bonus Task

1. Keep a visual history of the searches. This history should display the last 5 searches and should be available for the user in subsequent visits.
2. When clicked, a search history item should instigate a new search.