

# SPRINT 2

(14 MARZO 2022)



3º - TI

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## **1. CONTRATO MERCANTIL.**

La aplicación web incluirá los siguientes términos:

### **a) Interfaz de inicio:**

- Logo y nombre de la empresa.
- Propuesta de valor de la empresa.
- Imágenes que muestren carteles de los conciertos disponibles.
- Botón que permita al usuario acceder al mapa.

### **b) Interfaz del mapa:**

- Nombre de la empresa.
- Mapa del mundo interactivo.
- Botón para seleccionar un determinado país.

### **c) Interfaz de conciertos disponibles:**

- Nombre de la empresa.
- Lista de conciertos disponibles en el país seleccionado anteriormente.
- Información relativa al concierto.
- Botón que permita al usuario acceder a playlists relacionadas con el autor del concierto seleccionado, tras acceder con su usuario.
- Botón que permite al usuario volver a la interfaz de los mapas.

### **d) Interfaz de acceso:**

- Logo y nombre de la empresa.
- Campos de texto para la introducción del nombre de usuario y la contraseña.
- Botón que permite al usuario acceder a las playlists.
- Botón para registrarse, en caso de que el usuario no se haya registrado aún.
- Botón que permite al usuario volver a la interfaz de los conciertos.

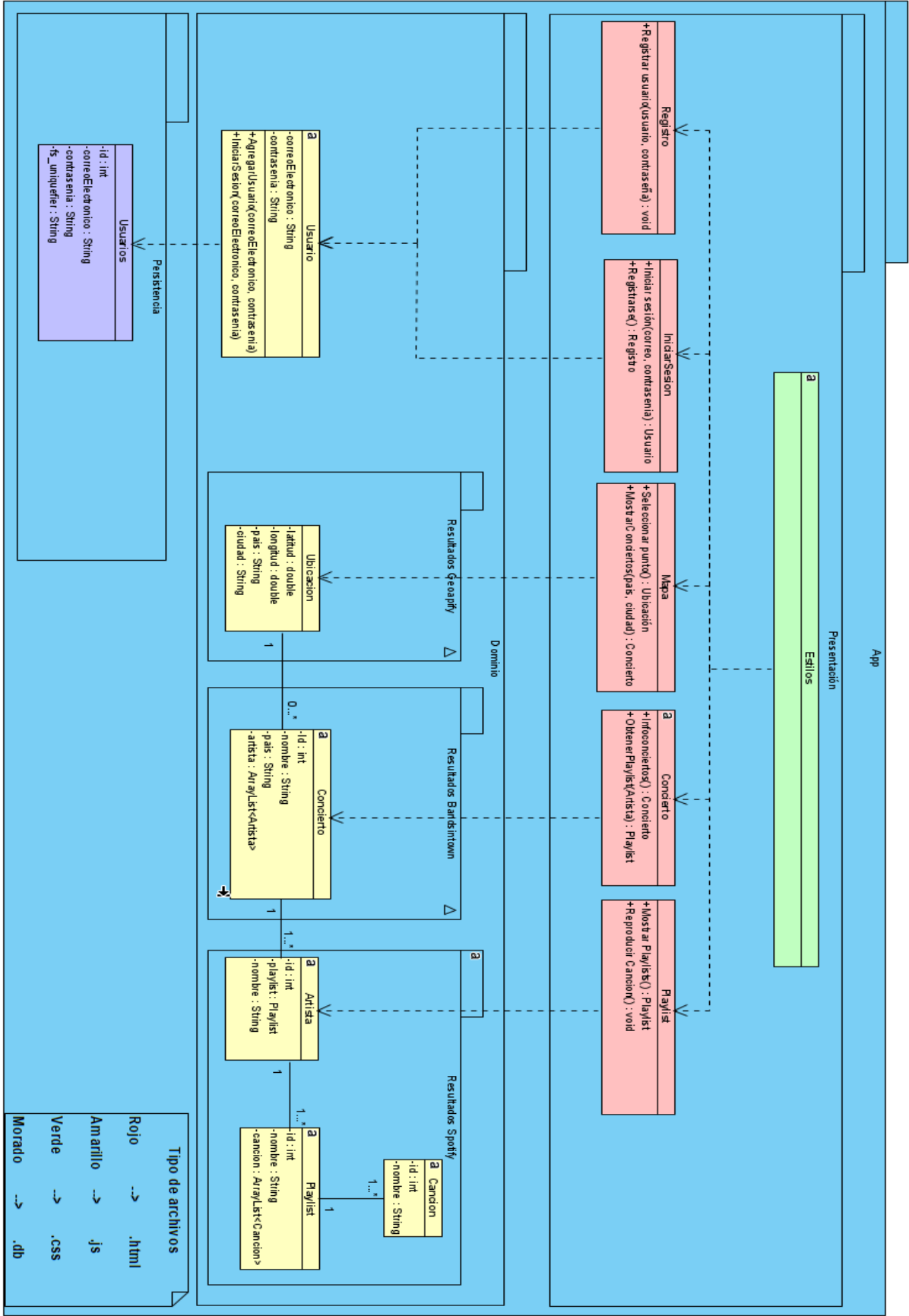
### **e) Interfaz de registro:**

- Logo y nombre de la empresa.
- Campos de texto para la introducción del nombre de usuario, contraseña y confirmación de la contraseña.
- Botón para confirmar el registro.
- Botón que permite al usuario volver a la interfaz de los conciertos.

### **f) Interfaz de playlists:**

- Nombre de la empresa.
- Lista de playlists disponibles del artista del concierto seleccionado anteriormente.
- Botón que permita al usuario seleccionar una determinada playlist.
- Información relativa a la playlist.
- Lista de canciones de la playlist.
- Información relativa a la canción seleccionada.
- Botones relacionados con la reproducción de la canción (reproducir, avanzar, retroceder y ajustar volumen).
- Botón que permite al usuario volver a la interfaz de los conciertos.

2. ARQUITECTURA GLOBAL DETALLADA.



### 3. TECNOLOGÍAS A USAR

- API Spotify
- API Bandsintown
- API Geoapify
- Libreria leafletjs
- Lenguajes empleados: .html, .css, .js y .db
- Traductor de Google para realizar la internacionalización

## 4. INTERFACES Y ESTRUCTURAS DE DATOS.

## 1) API SPOTIFY

a) Datos del artista

```
1  ,0
2  external_urls,{ 'spotify': 'https://open.spotify.com/artist/1bAftSH8umNcGZ0uyV7LMg'}
3  followers,{ 'href': None, 'total': 5508662}
4  genres,['argentine hip hop', 'trap argentino', 'trap latino', 'trap triste']
5  href,https://api.spotify.com/v1/artists/1bAftSH8umNcGZ0uyV7LMg
6  id,1bAftSH8umNcGZ0uyV7LMg
7  images,[{ 'height': 640, 'url': 'https://i.scdn.co/image/ab6761610000e5ebe3a604976226d95cf73ab01', 'width': 640}, { 'height': 320, 'url': 'https://i.scdn.
8  name,Duki
9  popularity,87
10 type,artist
11 uri,spotify:artist:1bAftSH8umNcGZ0uyV7LMg
```

b) Discográfica del artista

```

1 ,album_group,album_type,artists,external_urls,href,id,images,name,release_date,release_date_precision,total_tracks,type,url,track_artist
2 0,album,album,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}]]
3 1,album,album,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}}]
4 2,album,album,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}}]
5 3,album,album,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}}]
6 4,album,album,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}}]
7 5,single,single,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/0dUjygcCyJf5vSx6xbDzTwf'}}, {'href': 'https://api.spotify.com/v1/artists/0dUjygcCyJf5vSx6xbDzTwf'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/0dUjygcCyJf5vSx6xbDzTwf'}}, {'href': 'https://api.spotify.com/v1/artists/0dUjygcCyJf5vSx6xbDzTwf'}}]
8 6,single,single,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}}]
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13 11,single,single,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}}]
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20 18,single,single,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uyV7Lmq'}}, {'href': 'https://api.spotify.com/v1/artists/1BafTSH8umMcGZ0uyV7Lmq'}}]
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26 24,single,single,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/5Ri6FnR8z1LUUDCs1oPyMw'}}, {'href': 'https://api.spotify.com/v1/artists/5Ri6FnR8z1LUUDCs1oPyMw'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/5Ri6FnR8z1LUUDCs1oPyMw'}}, {'href': 'https://api.spotify.com/v1/artists/5Ri6FnR8z1LUUDCs1oPyMw'}}]
27 25,single,single,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/7CSpcNGTgrTS09bnY145Ze'}}, {'href': 'https://api.spotify.com/v1/artists/7CSpcNGTgrTS09bnY145Ze'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/7CSpcNGTgrTS09bnY145Ze'}}, {'href': 'https://api.spotify.com/v1/artists/7CSpcNGTgrTS09bnY145Ze'}}]
28 26,single,single,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/2x7PC78TMggpEIJA6A200z'}}, {'href': 'https://api.spotify.com/v1/artists/2x7PC78TMggpEIJA6A200z'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/2x7PC78TMggpEIJA6A200z'}}, {'href': 'https://api.spotify.com/v1/artists/2x7PC78TMggpEIJA6A200z'}}]
29 27,single,single,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/4m6ubhhNsdw4PsnY38KrW'}}, {'href': 'https://api.spotify.com/v1/artists/4m6ubhhNsdw4PsnY38KrW'}]],['{'external_urls': {'spotify': 'https://open.spotify.com/artist/4m6ubhhNsdw4PsnY38KrW'}}, {'href': 'https://api.spotify.com/v1/artists/4m6ubhhNsdw4PsnY38KrW'}}]
30 28,single,single,['{'external_urls': {'spotify': 'https://open.spotify.com/artist/1BafTSH8umMcGZ0uy
```

c) Canciones del artista

[illegible]

## 2) API GEOAPIFY

```

1 results: {} 1 item
2 0: {} 22 keys
3 datasource: {} 4 keys
4   sourcename: "openstreetmap"
5   attribution: "© OpenStreetMap contributors"
6   license: "Open Database License"
7   url: "https://www.openstreetmap.org/copyright"
8 name: "White Cube"
9 housenumber: "144-152"
10 street: "Bermondsey Street"
11 suburb: "Old Kent Road"
12 city: "London Borough of Southwark"
13 county: "Greater London"
14 state: "England"
15 postcode: "SE1 3TQ"
16 country: "United Kingdom"
17 country_code: "gb"
18 lon: -0.08232898488016241
19 lat: 51.49945965
20 distance: 17.933966479815105
21 result_type: "amenity"
22 formatted: "White Cube, 144-152 Bermondsey Street, London SE1 3TQ, United Kingdom"
23 address_line1: "White Cube"
24 address_line2: "144-152 Bermondsey Street, London SE1 3TQ, United Kingdom"
25 state_code: "ENG"
26 category: "entertainment.culture.gallery"
27
28 rank: {} 2 keys
29   importance: 0.3785485023418972
30   popularity: 9.182220045831123
31 place_id: "51aabb92298313b5bf59f735374beebf4940f00102f901228c1a060000000092030a57686974652043756265"

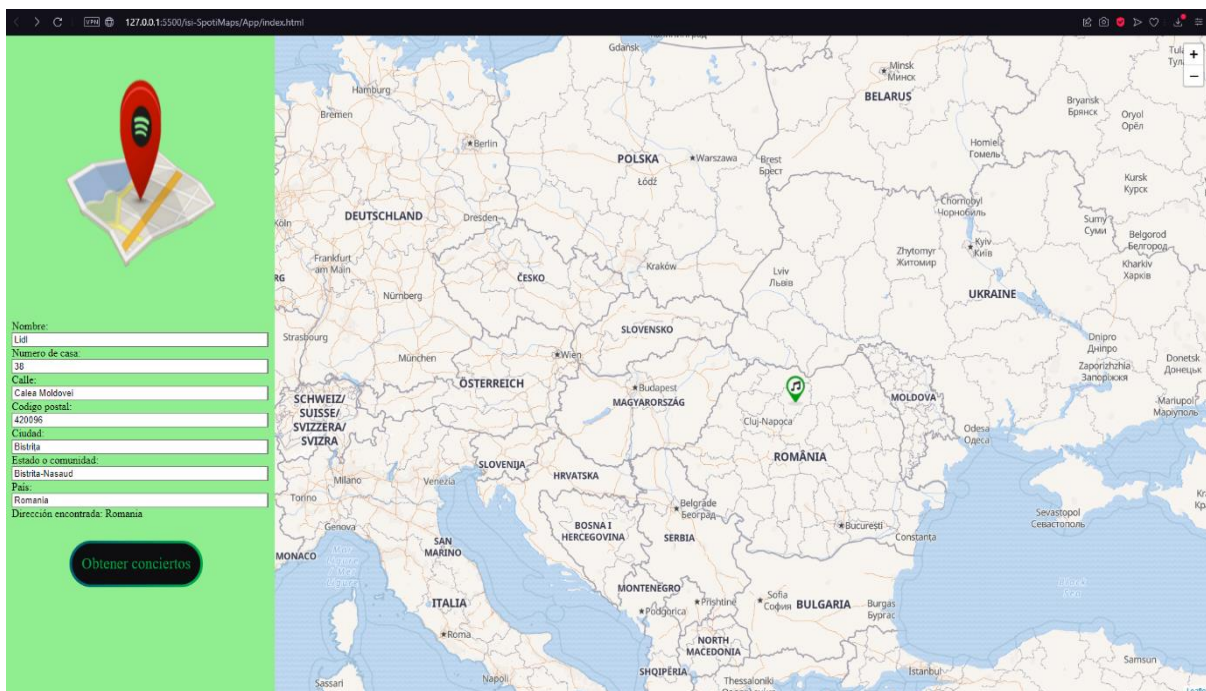
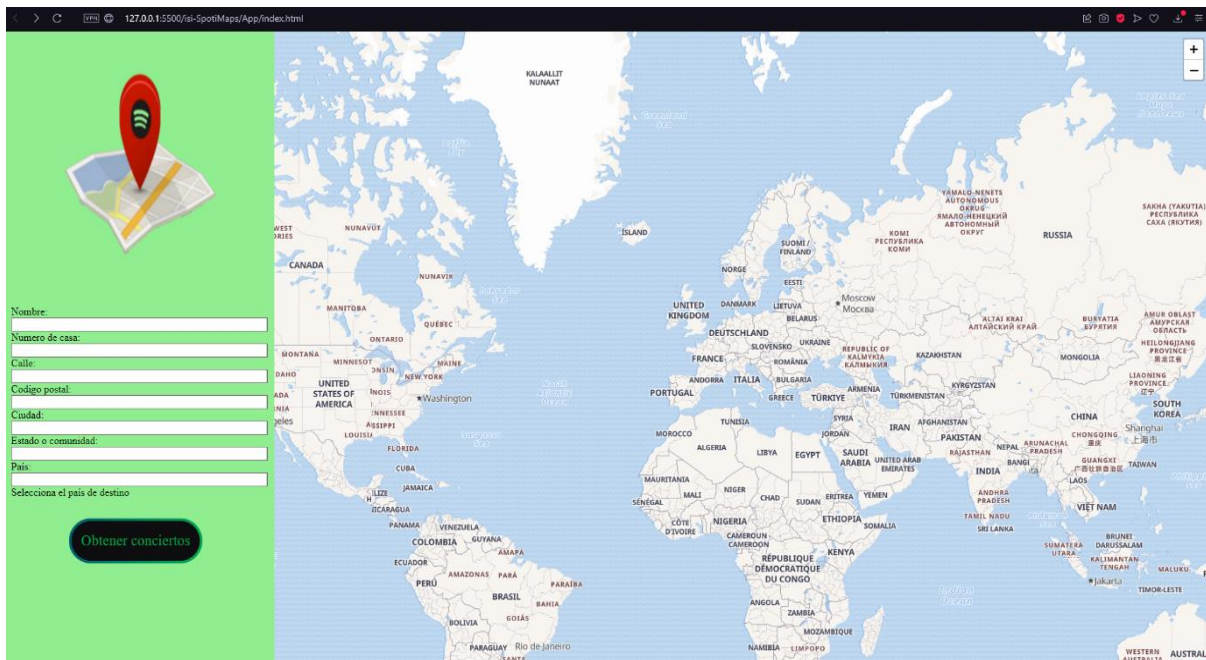
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### 3) API BANDSINTOWN

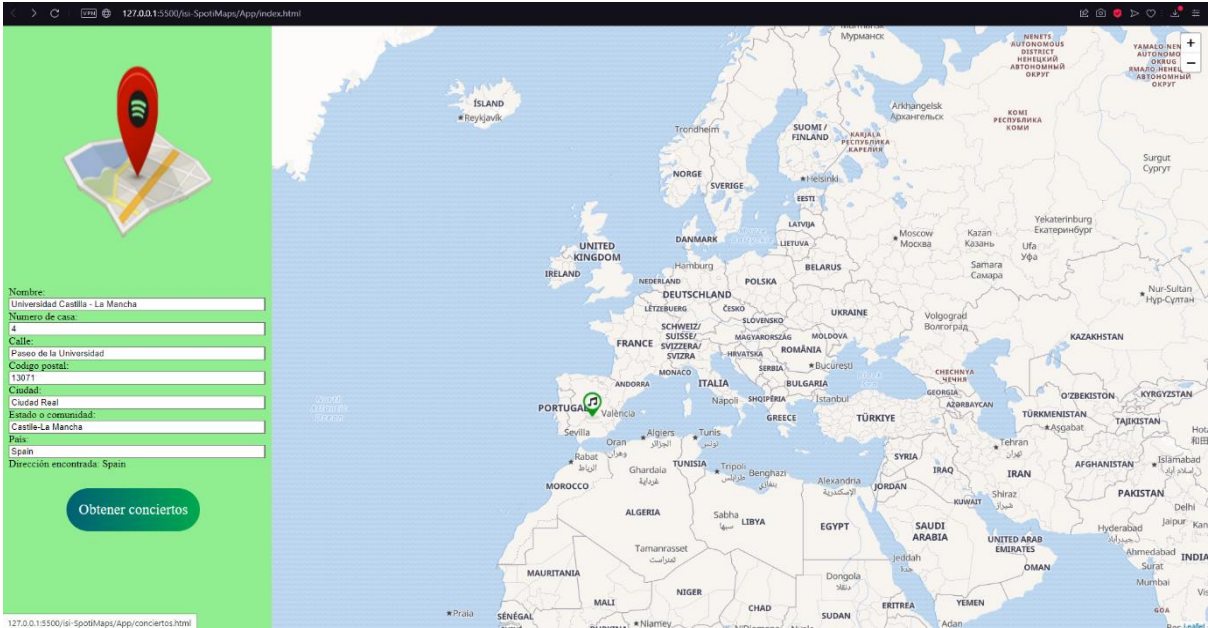
```
1  [
2    {
3      "offers": [
4        {
5          "type": "Watch Live",
6          "url": "https://www.bandsintown.com/l/102638?app_id=y0UrSuP3r3ven7aPp-id&came_from=267&utm_medium=api&utm_source=public_api&utm_campaign=watch_live",
7          "status": "available"
8        }
9      ],
10     "venue": {
11       "country": "",
12       "city": "",
13       "timezone": "America/Los_Angeles",
14       "name": "Streaming LIVE",
15       "location": "",
16       "region": "",
17       "type": "Virtual"
18     },
19     "datetime": "2020-04-15T12:00:00",
20     "artist": {
21       "thumb_url": "https://photos.bandsintown.com/thumb/10224.jpeg",
22       "mbid": "",
23       "facebook_page_url": "http://www.facebook.com/1952130522",
24       "image_url": "https://photos.bandsintown.com/large/10224.jpeg",
25       "name": "Your artist name",
26       "options": {
27         "display_listen_unit": false
28       },
29       "id": "12345",
30       "tracker_count": 864.0,
31       "upcoming_event_count": 1.0,
32       "url": "https://www.bandsintown.com/a/12345?came_from=267&app_id=y0UrSuP3r3ven7aPp-id"
33     },
34     "on_sale_datetime": "",
35     "description": "Live streaming a set from Sofar Sounds San Francisco's Instagram page (@sofarsoundssf)\n\nhttps://www.instagram.com/sofarsoundssf/",
36     "lineup": [
37       "talker"
38     ],
39     "id": "12345",
40     "title": "Live Stream on Sofar Sounds SF Instagram - https://www.instagram.com/sofarsoundssf/",
41     "artist_id": "3216955",
42     "url": "https://www.bandsintown.com/e/1029638?app_id=y0UrSuP3r3ven7aPp-id&came_from=267&utm_medium=api&utm_source=public_api&utm_campaign=event"
43   }
44 ]
```



## 5. PROTOTIPOS / TESTS TECNOLOGÍAS INDIVIDUALES.



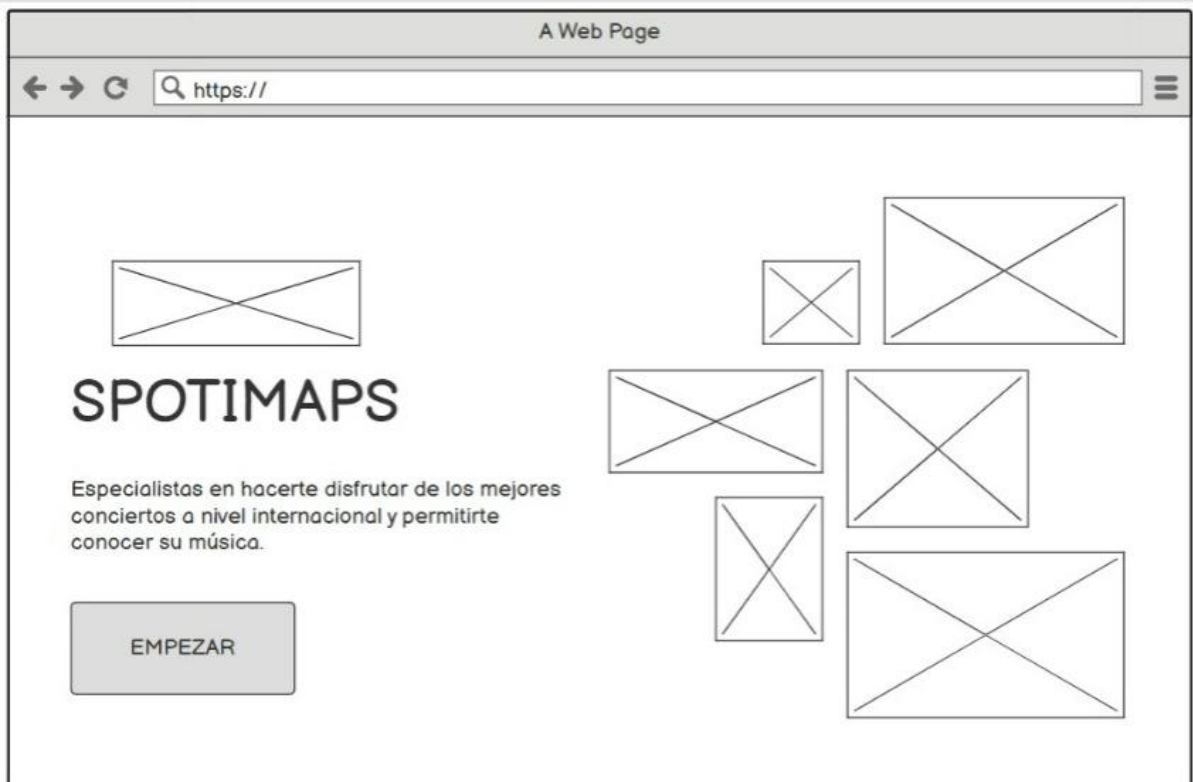




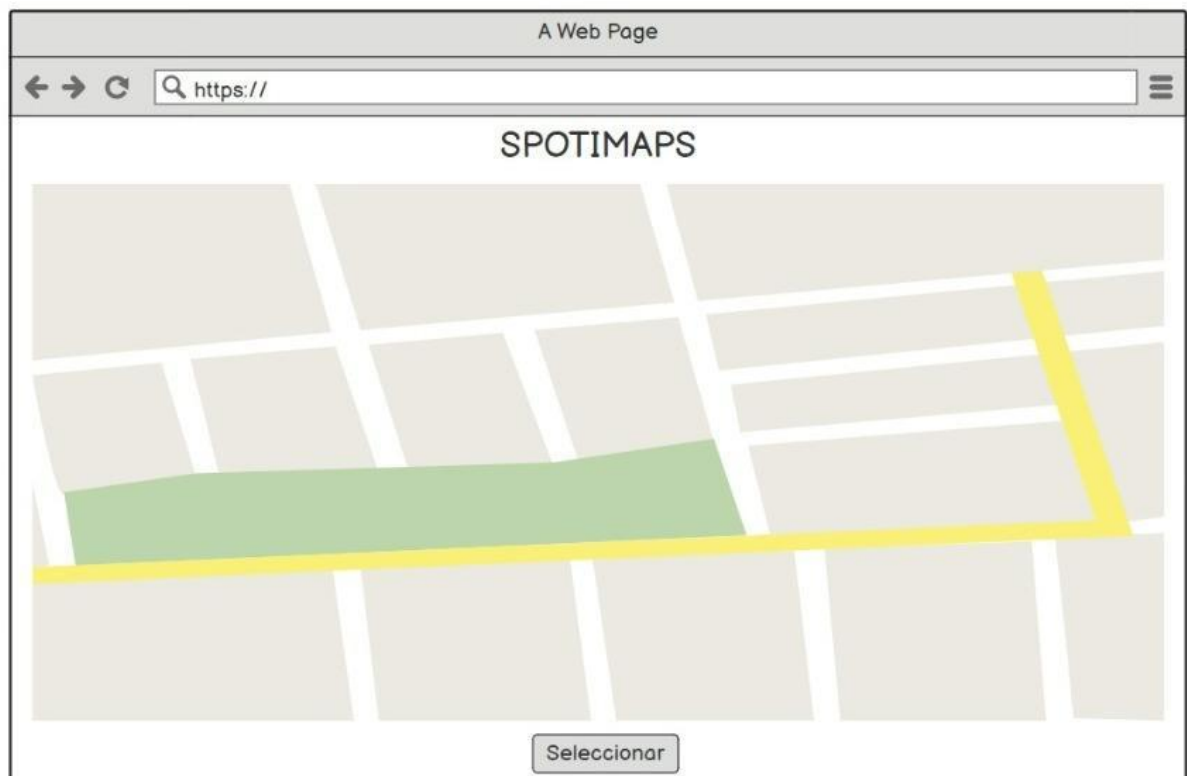
```
PS C:\Users\3462\Desktop\Documents\Universidades\3_4to\2_cuatr\VISI\PRÁCTICAS\visi-SpotiMaps\App\pruebas> python3 .\test_spotify.py
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```

## 6. MOCKUP DE GUI.

Diseño interfaz de Inicio:



Diseño interfaz del mapa:



Diseño interfaz de conciertos disponibles:

A Web Page

← → ↻ 🔍 https://

☰

← Volver

SPOTIMAPS

Conciertos disponibles en España:

MALUMA WORLD TOUR 2022

Concierto disponible 2

Concierto disponible 3

Concierto disponible 4

Concierto disponible 5

Concierto disponible 6

...

MALUMA WORLD TOUR 2022

Fecha: 05 abril 2022

Hora: 21:00 - 23:00

Lugar: WiZink Center, Av. Felipe II, s/n, Madrid

Rango precios: 70€ - 185€

Ver playlists

Diseño interfaz acceso:

A Web Page

← → ↻ 🔍 https://

☰

← Volver

SPOTIMAPS

Usuario:

Contraseña:

ACCEDER

¿No estás registrado?

Registrarse

Diseño interfaz registro:



A Web Page

← → ↻ 🔍 https://

← Volver

 **SPOTIMAPS**

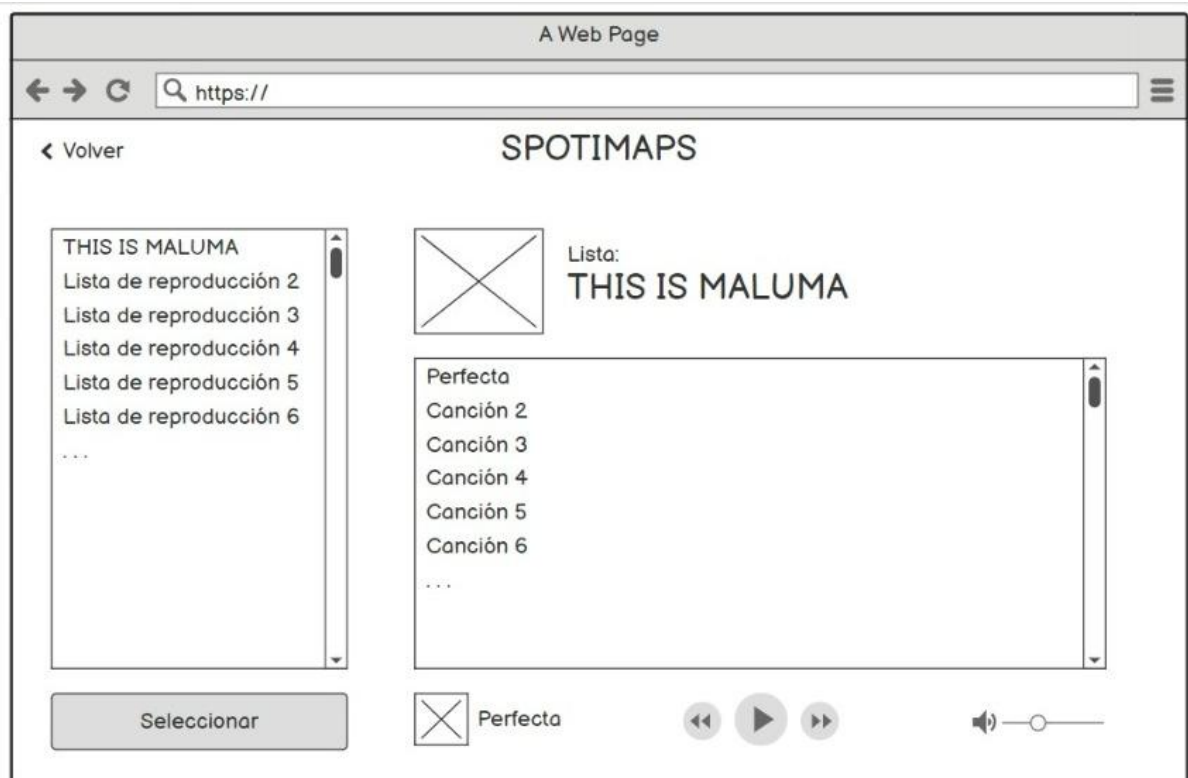
Nombre de usuario:

Contraseña:

Confirmar contraseña:

Registrarse

Diseño interfaz de playlists:



A Web Page

← → ↻ 🔍 https://

← Volver

**SPOTIMAPS**

THIS IS MALUMA

Lista de reproducción 2

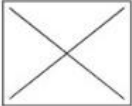
Lista de reproducción 3

Lista de reproducción 4

Lista de reproducción 5

Lista de reproducción 6

...

 **Lista:**  
**THIS IS MALUMA**

Perfecta

Canción 2

Canción 3


Canción 4

Canción 5

Canción 6

...

Seleccionar

 **Perfecta**

⏮ ⏪ ⏩ ⏭ 🔊

## 7. USER EXPERIENCE.



spotimaps



El usuario entrará a nuestra web a través de búsqueda por navegador

Todo Maps Imágenes Videos

Aproximadamente 204 resultados (0,40 segundos)

Sugerencia: [Buscar solo resultados en español](#). Puedes especificar tu idioma de búsqueda en [Preferencias](#)

<https://github.com/javierarce/sp...> Traducir esta página

**Spotimap - A map of songs about cities - GitHub**

**Spotimap** - A map of songs about cities ... Have you ever been alone in Kyoto? Is London calling you? Do you love New York but the place is bringing you down? Then ...



<https://carto.com/blog/Spotimap> Traducir esta página

**Music Map Mashup | CARTO Blog**

27 feb 2015 — Javier cataloged on his **Spotimap**, 7,681 songs and 212 cities across the globe using the songs listed in the Wikipedia article "List of songs ...

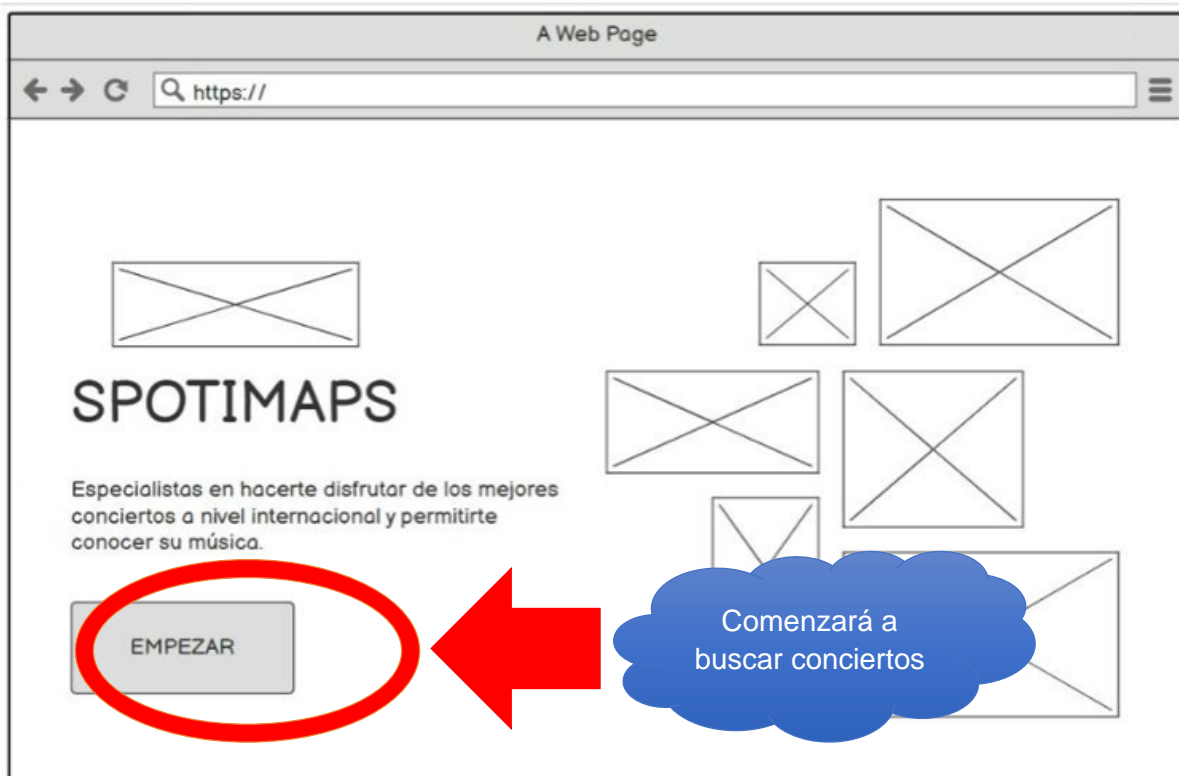
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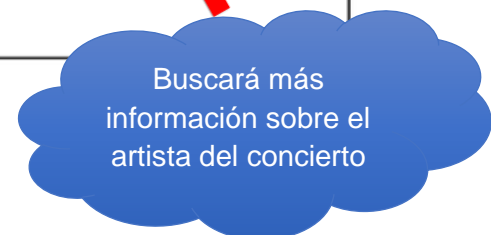
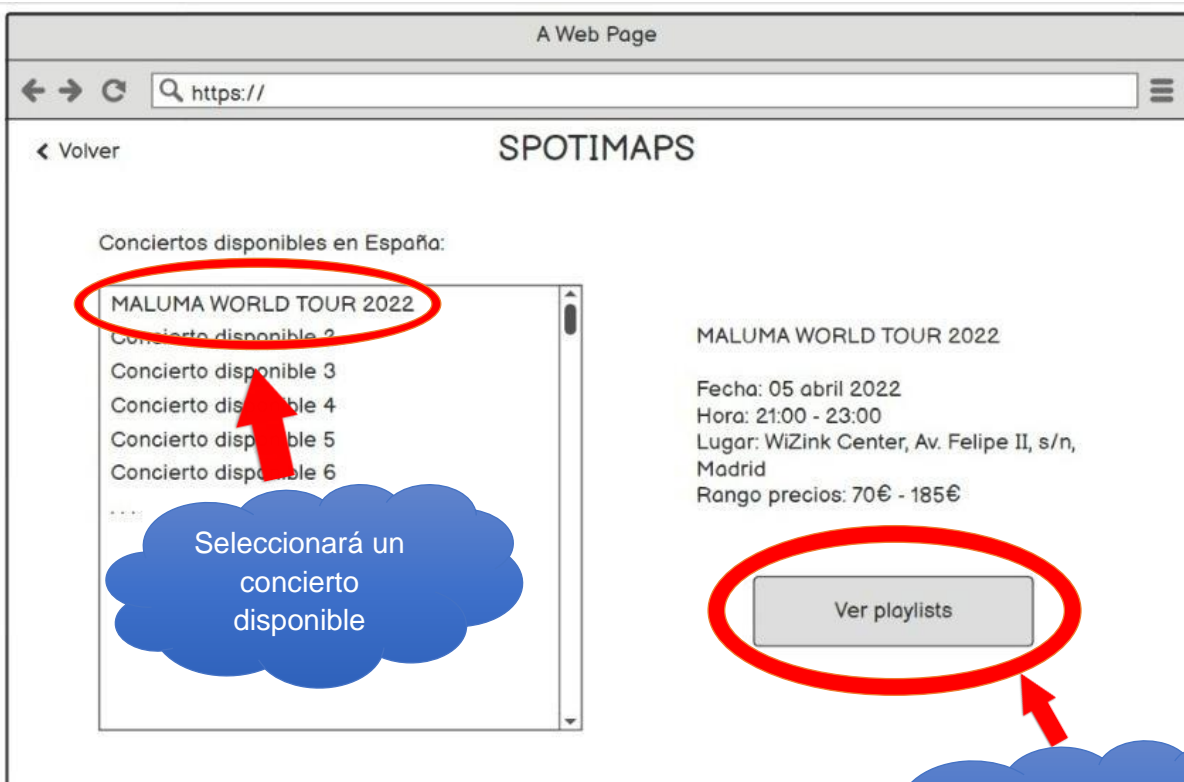
**Descubrir y escuchar canciones relacionadas con lugares en ...**

En realidad, **Spotimap** no tiene demasiada música ubicada. En España ofrece únicamente seis canciones, con lo sencillo que sería encontrar veinte o treinta más ...

[https://m.facebook.com/Pisandocables/photos/\\_rdr](https://m.facebook.com/Pisandocables/photos/_rdr)

**Pisandocables, profile picture - Facebook**








A Web Page

← → ↻ 🔍 https://

← Volver



## SPOTIMAPS

Usuario:

Contraseña:

**ACCEDER**

Si no está registrado, deberá registrarse

¿No estás registrado?

**Registrarse**

Para acceder a más información primero deberá identificarse

A Web Page

← → ↻ 🔍 https://

← Volver



## SPOTIMAPS

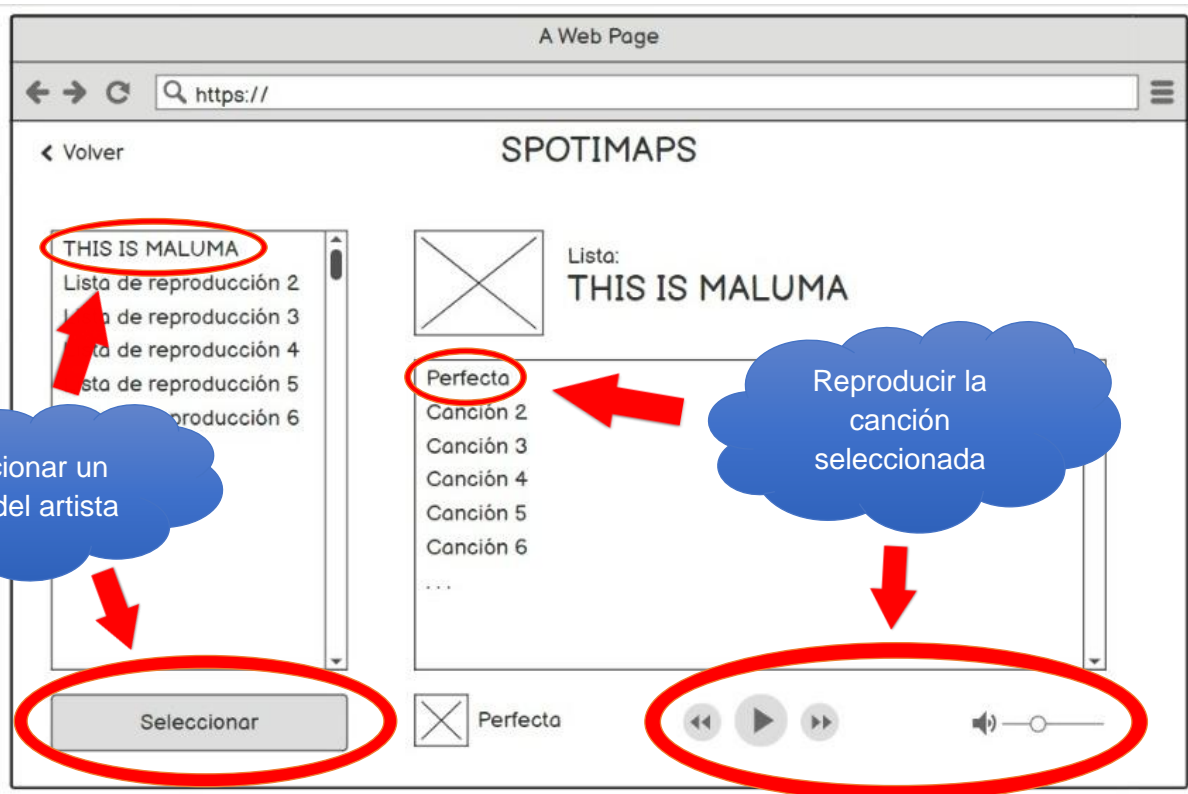
Nombre de usuario:

Contraseña:

Confirmar contraseña:

**Registrarse**

Creación de nueva cuenta



## 8. REPOSITORIO EN GITHUB.

<https://github.com/NLopezT04/isi-SpotiMaps>