

SPRINT 2

(14 MARZO 2022)



3º - TI

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Alberto García Aparicio

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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.

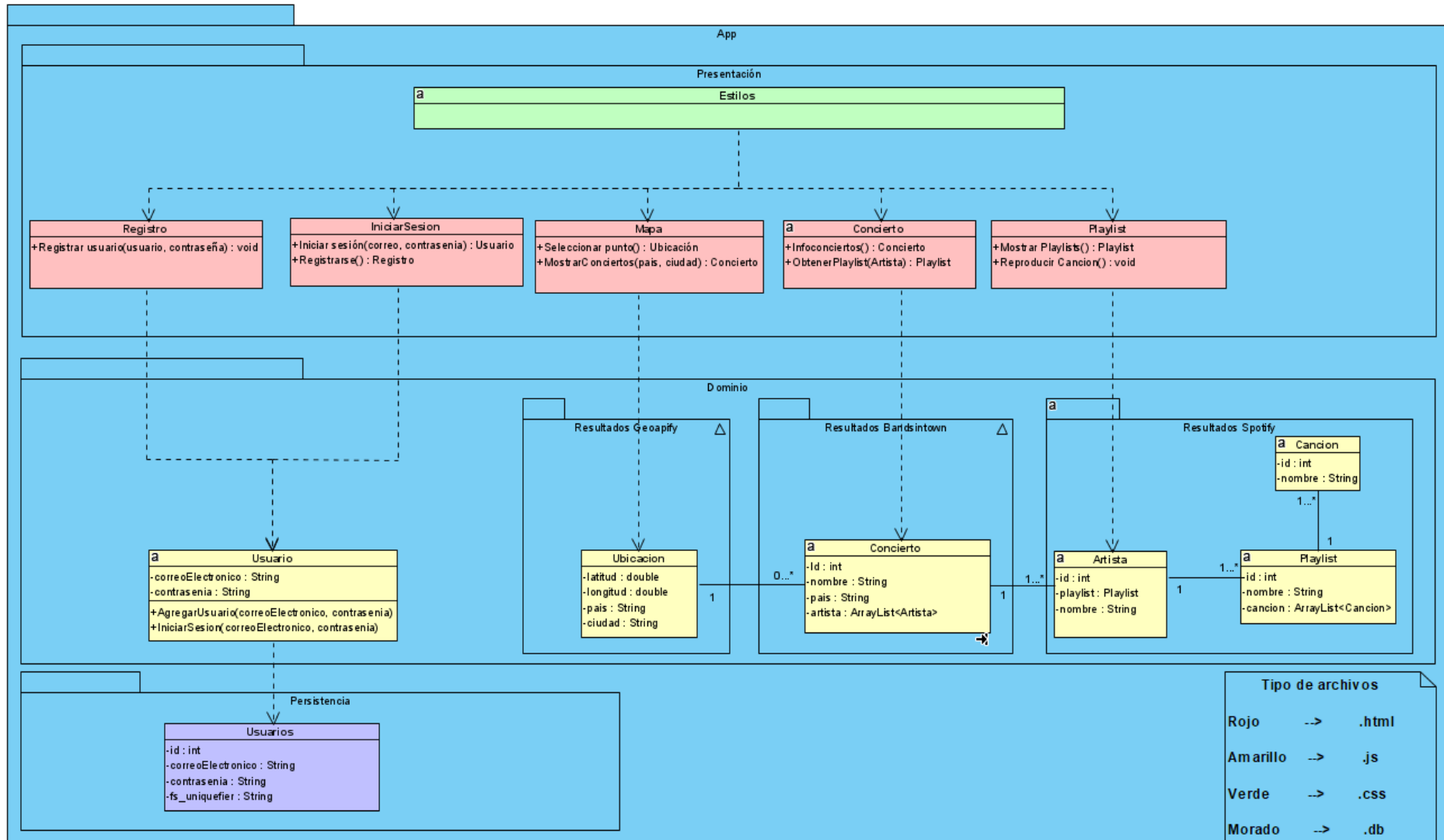
e) Interfaz de registro:

- 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/ab6761610000e5ebe3a604976226d95cf7f3ab01', 'width': 640 }, { 'height': 320, 'url': 'https://i.scdn.co/image/ab6761610000e5ebe3a604976226d95cf7f3ab01', 'width': 320 } ]
8 name,Duki
9 popularity,87
10 type,artist
11 uri,spotify:artist:1bAftSH8umNcGZ0uyV7LMg
```

b) Discográfica del artista

```

1 discography.csv
2 ,album_group,album_type,artists,external_urls,href,id,images,name,release_date,release_date_precision,total_tracks,type,uri,track_artist
3 0,album,album,["('external_urls': ('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg')"],('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg'
4 2,album,album,["('external_urls': ('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg')"],('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg'
5 3,album,album,["('external_urls': ('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg')"],('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg'
6 4,album,album,["('external_urls': ('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg')"],('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg'
7 5,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/0dUy1gcYvj5f5eK6bX2Wf'), 'href': 'https://api.spotify.com/v1/artists/0dUy1gcYvj5f5eK6bX2Wf')"],('spotify': 'https://open.spotify.com/artist/0dUy1gcYvj5f5eK6bX2Wf'), 'href': 'https://api.spotify.com/v1/artists/0dUy1gcYvj5f5eK6bX2Wf'
8 6,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg')"],('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg'
9 7,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/0Yq29FXfM4aygXs0ttZfq'), 'href': 'https://api.spotify.com/v1/artists/0Yq29FXfM4aygXs0ttZfq')"],('spotify': 'https://open.spotify.com/artist/0Yq29FXfM4aygXs0ttZfq'), 'href': 'https://api.spotify.com/v1/artists/0Yq29FXfM4aygXs0ttZfq'
10 8,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/4puA0i07dCehra4F47XQV0X'), 'href': 'https://api.spotify.com/v1/artists/4puA0i07dCehra4F47XQV0X')"],('spotify': 'https://open.spotify.com/artist/4puA0i07dCehra4F47XQV0X'), 'href': 'https://api.spotify.com/v1/artists/4puA0i07dCehra4F47XQV0X'
11 9,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/2ZPv0pG6L1GNH0PQV0E5fTW'), 'href': 'https://api.spotify.com/v1/artists/2ZPv0pG6L1GNH0PQV0E5fTW')"],('spotify': 'https://open.spotify.com/artist/2ZPv0pG6L1GNH0PQV0E5fTW'), 'href': 'https://api.spotify.com/v1/artists/2ZPv0pG6L1GNH0PQV0E5fTW'
12 10,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/5XJ0d6xmFLW0Kj0Ej0VX3e'), 'href': 'https://api.spotify.com/v1/artists/5XJ0d6xmFLW0Kj0Ej0VX3e')"],('spotify': 'https://open.spotify.com/artist/5XJ0d6xmFLW0Kj0Ej0VX3e'), 'href': 'https://api.spotify.com/v1/artists/5XJ0d6xmFLW0Kj0Ej0VX3e'
13 11,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg')"],('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg'
14 12,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/3lY9FXceU60W1rbon7PKuF'), 'href': 'https://api.spotify.com/v1/artists/3lY9FXceU60W1rbon7PKuF')"],('spotify': 'https://open.spotify.com/artist/3lY9FXceU60W1rbon7PKuF'), 'href': 'https://api.spotify.com/v1/artists/3lY9FXceU60W1rbon7PKuF'
15 13,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/7uZ2W6CJ8HxekKH2E0UL'), 'href': 'https://api.spotify.com/v1/artists/7uZ2W6CJ8HxekKH2E0UL')"],('spotify': 'https://open.spotify.com/artist/7uZ2W6CJ8HxekKH2E0UL'), 'href': 'https://api.spotify.com/v1/artists/7uZ2W6CJ8HxekKH2E0UL'
16 14,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg')"],('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg'
17 15,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/400Nt12m0Lz2mE4Ras1qv'), 'href': 'https://api.spotify.com/v1/artists/400Nt12m0Lz2mE4Ras1qv')"],('spotify': 'https://open.spotify.com/artist/400Nt12m0Lz2mE4Ras1qv'), 'href': 'https://api.spotify.com/v1/artists/400Nt12m0Lz2mE4Ras1qv'
18 16,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/61tjvvw5MSK2C15N4Jux'), 'href': 'https://api.spotify.com/v1/artists/61tjvvw5MSK2C15N4Jux')"],('spotify': 'https://open.spotify.com/artist/61tjvvw5MSK2C15N4Jux'), 'href': 'https://api.spotify.com/v1/artists/61tjvvw5MSK2C15N4Jux'
19 17,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/4puA0i07dCehra4F47XQV0X'), 'href': 'https://api.spotify.com/v1/artists/4puA0i07dCehra4F47XQV0X')"],('spotify': 'https://open.spotify.com/artist/4puA0i07dCehra4F47XQV0X'), 'href': 'https://api.spotify.com/v1/artists/4puA0i07dCehra4F47XQV0X'
20 18,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg')"],('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg'
21 19,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/716Nkg0j1BzW1kqg36'), 'href': 'https://api.spotify.com/v1/artists/716Nkg0j1BzW1kqg36')"],('spotify': 'https://open.spotify.com/artist/716Nkg0j1BzW1kqg36'), 'href': 'https://api.spotify.com/v1/artists/716Nkg0j1BzW1kqg36'
22 20,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/5E1BPS5E1yge6G4xvud'), 'href': 'https://api.spotify.com/v1/artists/5E1BPS5E1yge6G4xvud')"],('spotify': 'https://open.spotify.com/artist/5E1BPS5E1yge6G4xvud'), 'href': 'https://api.spotify.com/v1/artists/5E1BPS5E1yge6G4xvud'
23 21,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/0AqjF10t2Deo1KLS1T9'), 'href': 'https://api.spotify.com/v1/artists/0AqjF10t2Deo1KLS1T9')"],('spotify': 'https://open.spotify.com/artist/0AqjF10t2Deo1KLS1T9'), 'href': 'https://api.spotify.com/v1/artists/0AqjF10t2Deo1KLS1T9'
24 22,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/3Apb2t6mG3AmR9TTB3jVZ'), 'href': 'https://api.spotify.com/v1/artists/3Apb2t6mG3AmR9TTB3jVZ')"],('spotify': 'https://open.spotify.com/artist/3Apb2t6mG3AmR9TTB3jVZ'), 'href': 'https://api.spotify.com/v1/artists/3Apb2t6mG3AmR9TTB3jVZ'
25 23,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/9sNv1B8t4uCG6h9P0KuX'), 'href': 'https://api.spotify.com/v1/artists/9sNv1B8t4uCG6h9P0KuX')"],('spotify': 'https://open.spotify.com/artist/9sNv1B8t4uCG6h9P0KuX'), 'href': 'https://api.spotify.com/v1/artists/9sNv1B8t4uCG6h9P0KuX'
26 24,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/5Rj6rR8Z1UUD0CS10PmPm'), 'href': 'https://api.spotify.com/v1/artists/5Rj6rR8Z1UUD0CS10PmPm')"],('spotify': 'https://open.spotify.com/artist/5Rj6rR8Z1UUD0CS10PmPm'), 'href': 'https://api.spotify.com/v1/artists/5Rj6rR8Z1UUD0CS10PmPm'
27 25,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/7C5cpGNGT9x5989b71445Z'), 'href': 'https://api.spotify.com/v1/artists/7C5cpGNGT9x5989b71445Z')"],('spotify': 'https://open.spotify.com/artist/7C5cpGNGT9x5989b71445Z'), 'href': 'https://api.spotify.com/v1/artists/7C5cpGNGT9x5989b71445Z'
28 26,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/2X7P7C8TmgdpEj1aGAZ002'), 'href': 'https://api.spotify.com/v1/artists/2X7P7C8TmgdpEj1aGAZ002')"],('spotify': 'https://open.spotify.com/artist/2X7P7C8TmgdpEj1aGAZ002'), 'href': 'https://api.spotify.com/v1/artists/2X7P7C8TmgdpEj1aGAZ002'
29 27,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/4m6ubhNsdw4Pm3T88KwR'), 'href': 'https://api.spotify.com/v1/artists/4m6ubhNsdw4Pm3T88KwR')"],('spotify': 'https://open.spotify.com/artist/4m6ubhNsdw4Pm3T88KwR'), 'href': 'https://api.spotify.com/v1/artists/4m6ubhNsdw4Pm3T88KwR'
30 28,single,single,["('external_urls': ('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1bAfttSH8uMNCgZ0uyV7LMg')"],('spotify': 'https://open.spotify.com/artist/1bAfttSH8uMNCgZ0uyV7LMg'), 'href': 'https://api.spotify.com/v1/artists/1b
```

c) Canciones del artista

[illegible]

2) API GEOAPIFY

▼ results: [] 1 item

0: {} 22 keys

▼ datasource: {} 4 keys

```
sourcename: "openstreetmap"
```

attribution: "© OpenStreetMap contributors"

license: "Open Database License"

url: "https://www.openstreetmap.org/copyright"

name: "White Cube"

houzenumber: "144-152"

```
street: "Bermondsey Street"
```

suburb: "Old Kent Road"

city: "London Borough of"

county: "Greater London"

```
state: "England"
```

```
postcode: "SE1 3TQ"
```

country: "United Kingdom"

```
country_code: "gb"
```

lon: -0.08232898488016241

lat: 51.49945965

distance: 17.933966479815105

```
result_type: "amenity"
```

formatted: "White Cube, 144-152 Bermondsey Street, London SE1 3TQ, United Kingdom"

```
address line1: "White Cube"
```

address_line2: "144-152 Bermondsey Street, London SE1 3TQ, United Kingdom"

```
state_code: "ENG"
```

category: "entertainment.culture.gallery"

rank: {} 2 keys

importance: 0.3785485023418972

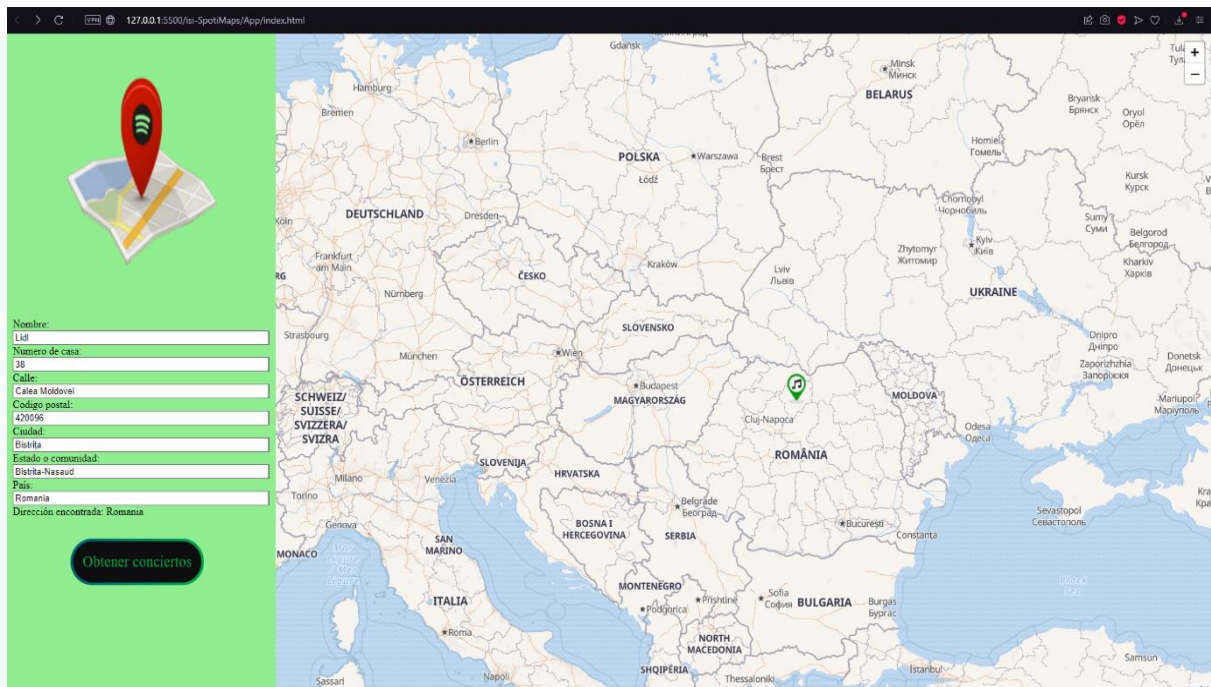
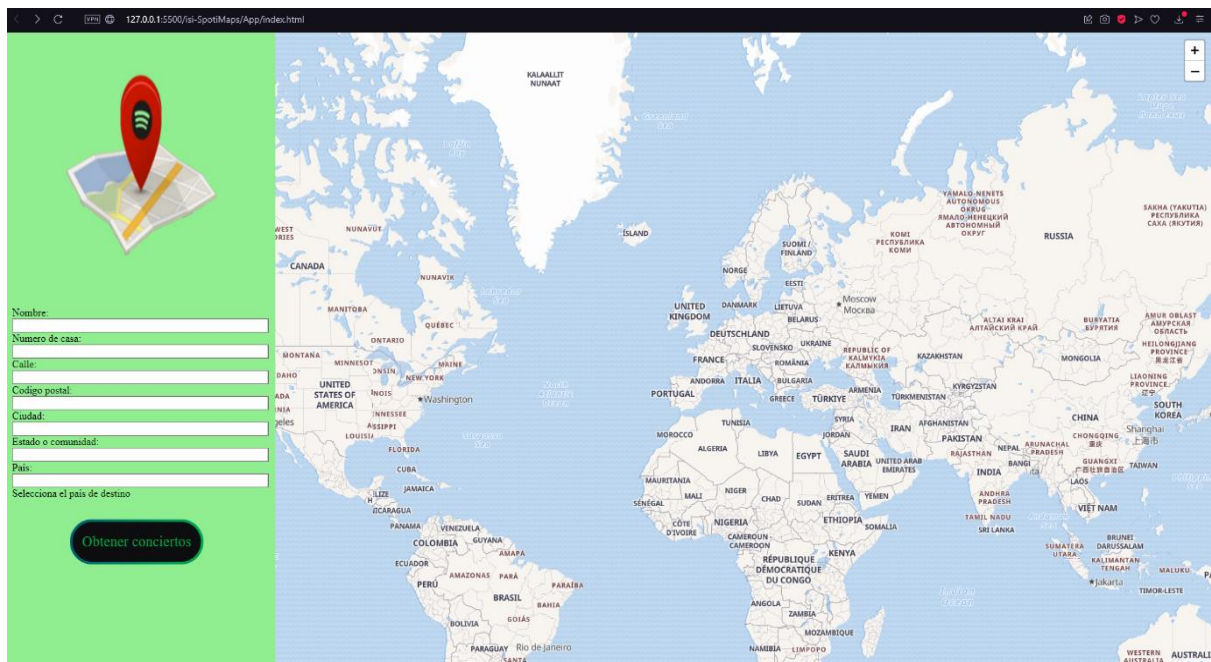
popularity: 9.18220045831123

place_id: "51aabb92298313b5bf59f735374beebf4940f00102f901228c1a06000000092030a57686974652043756265"

3) API BANDSINTOWN

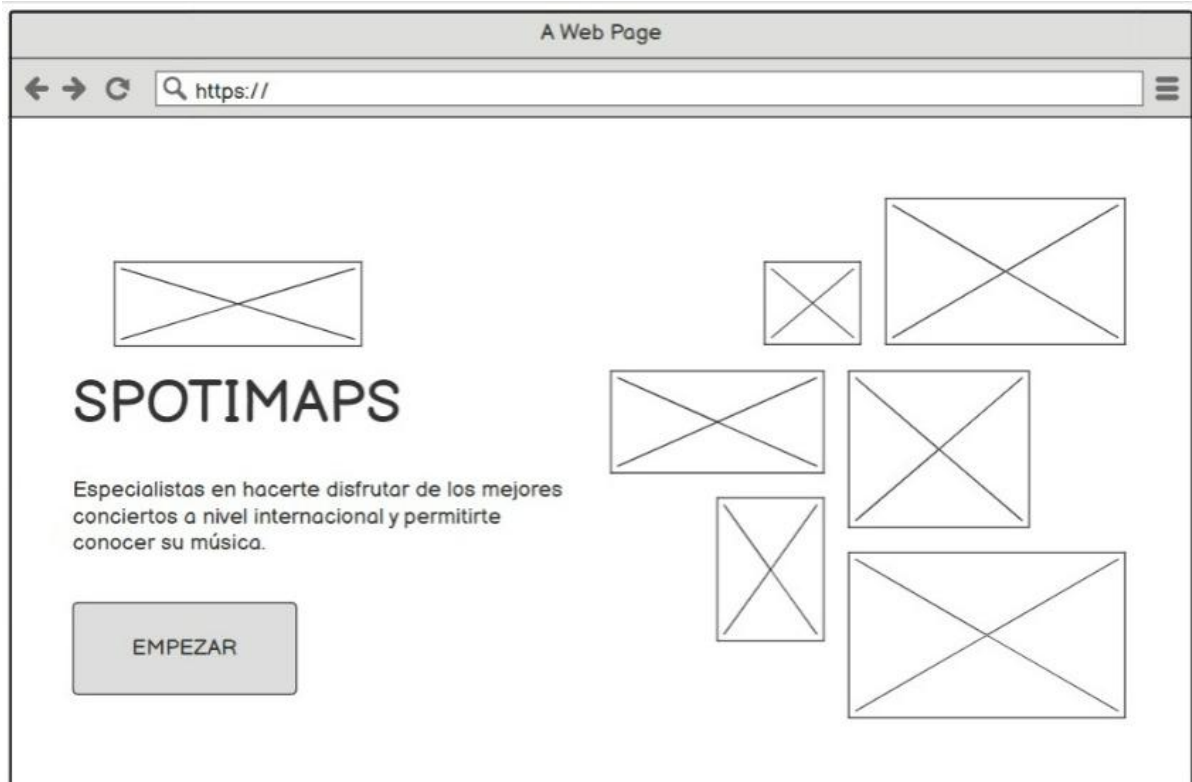
```
1  [
2    {
3      "offers": [
4        {
5          "type": "Watch Live",
6          "url": "https://www.bandsintown.com/l/102638?app_id=y0UrSuP3r3ven7aPp-id&came_from=267&utm_medium=api&utm_source=public_api&utm_campaign=watch_live",
7          "status": "available"
8        }
9      ],
10     "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.

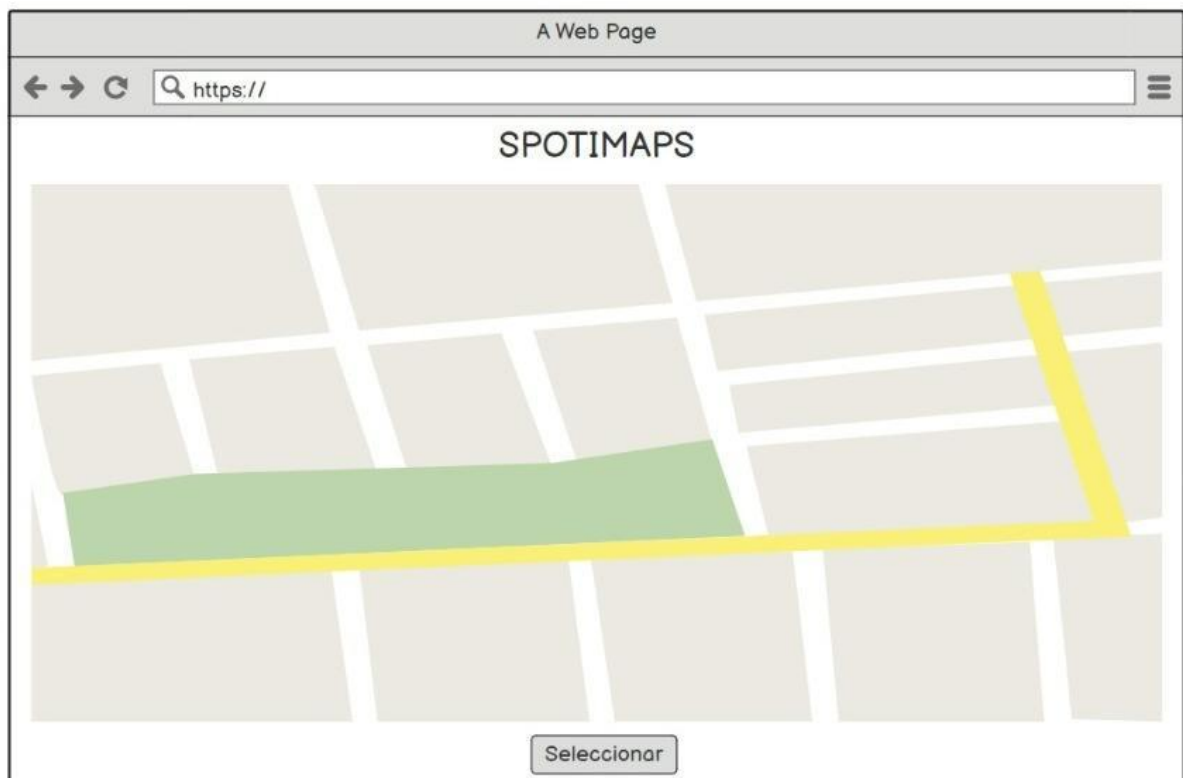


6. MOCKUP DE GUI.

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

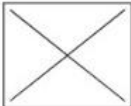
Diseño interfaz de playlists:

A Web Page

← → ↻ 🔍 https://

≡

← Volver



Lista:
THIS IS MALUMA

THIS IS MALUMA

Lista de reproducción 2

Lista de reproducción 3

Lista de reproducción 4

Lista de reproducción 5

Lista de reproducción 6

...

Perfecta

Canción 2

Canción 3


Canción 4

Canción 5

Canción 6


...

Seleccionar

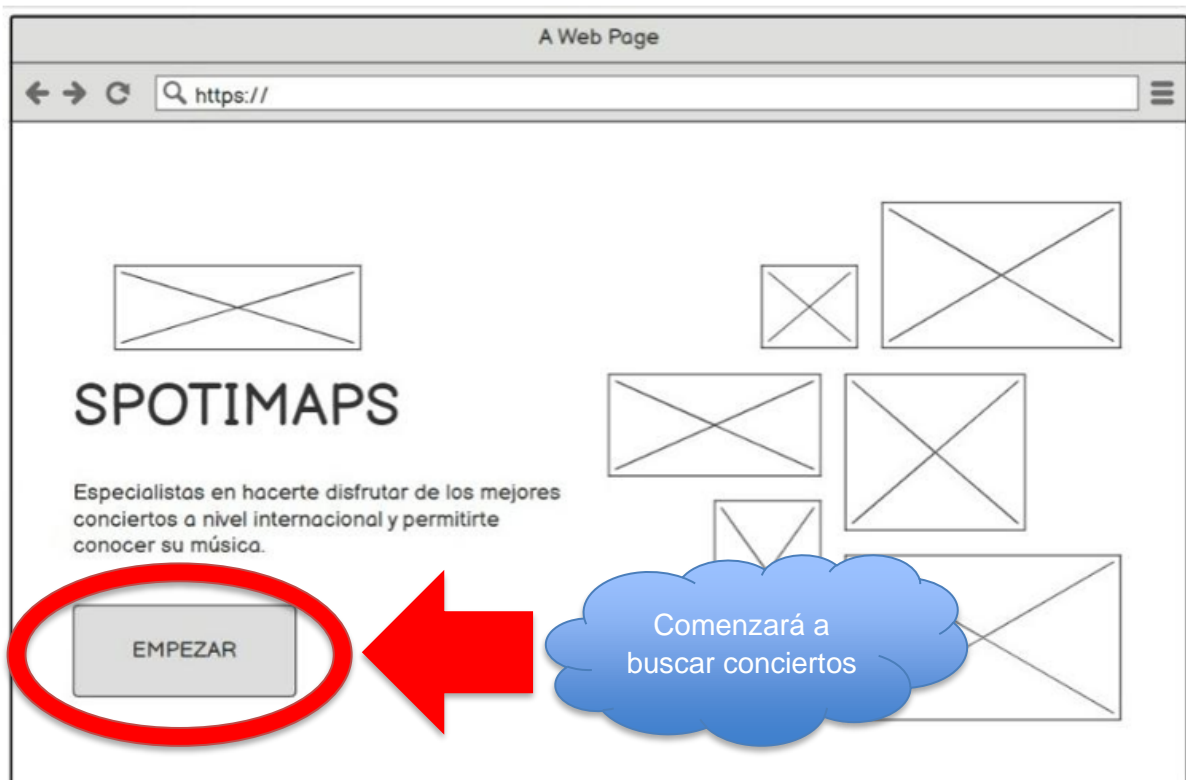


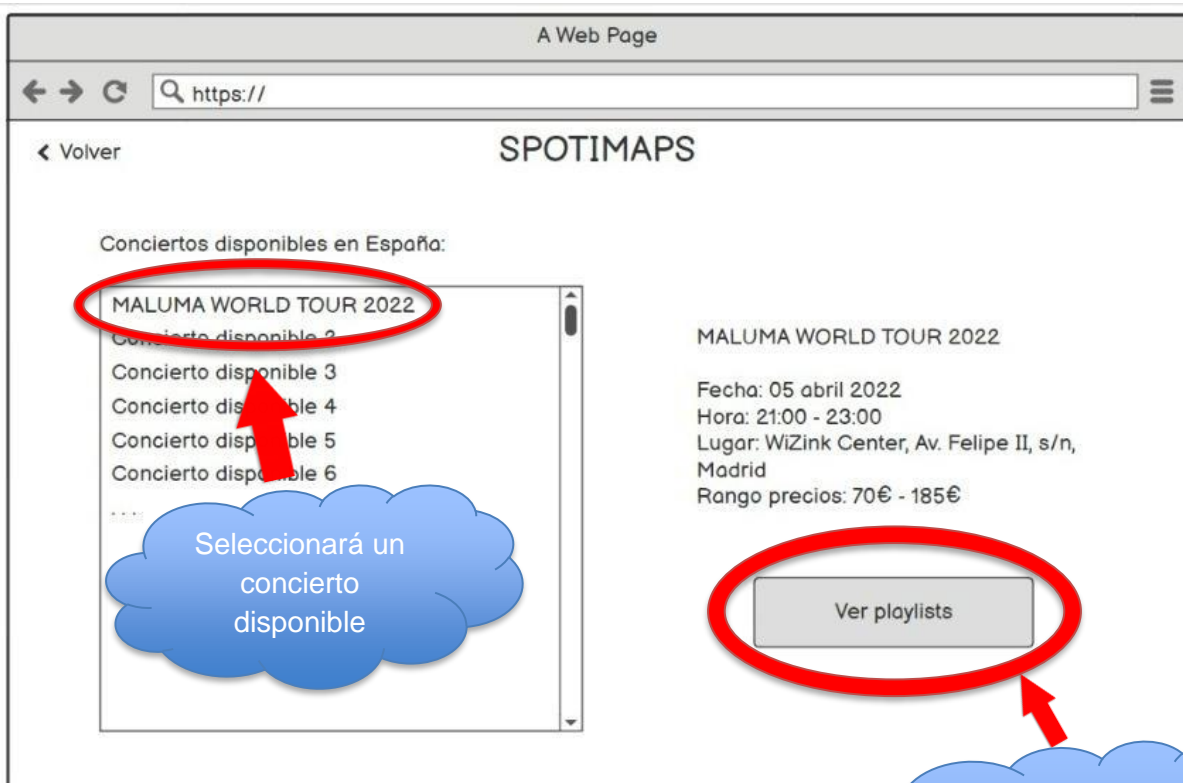
Perfecta

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7. USER EXPERIENCE.

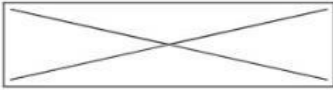




A Web Page

← → ↻ 🔍 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

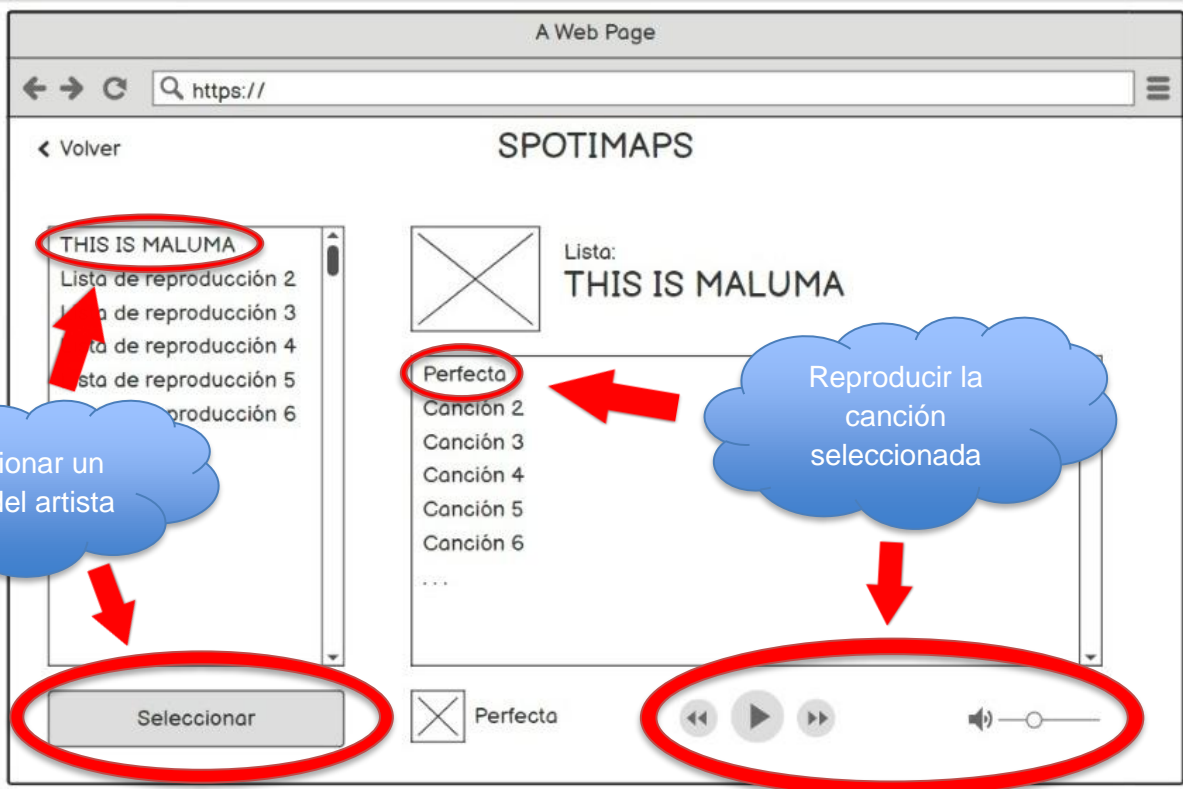
Nombre de usuario:

Contraseña:

Confirmar contraseña:

Registrarse

Creación de nueva cuenta



8. REPOSITORIO EN GITHUB.

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