Map.fm

Ashna Iyer
Rafael Mendes
Rishabh Jain
Rohan Joseph

Motivation

- The motivation for this visualization was to create an application that can aggregate music trends of a country on geographical map.

- It could be a real time radio station for any music enthusiast who has interest in different music genres.

Intended Audience

- Anyone who listens to music;
- It would be appealing to someone who is interested to know more about the music trends.

Main Questions

- How do music trends vary by state?
- Within each state, how do the music trends vary by major cities?
- What does the geographical location say about the top artists/tracks of that area?
- Is there a way to aggregate all these results in one geographical map?

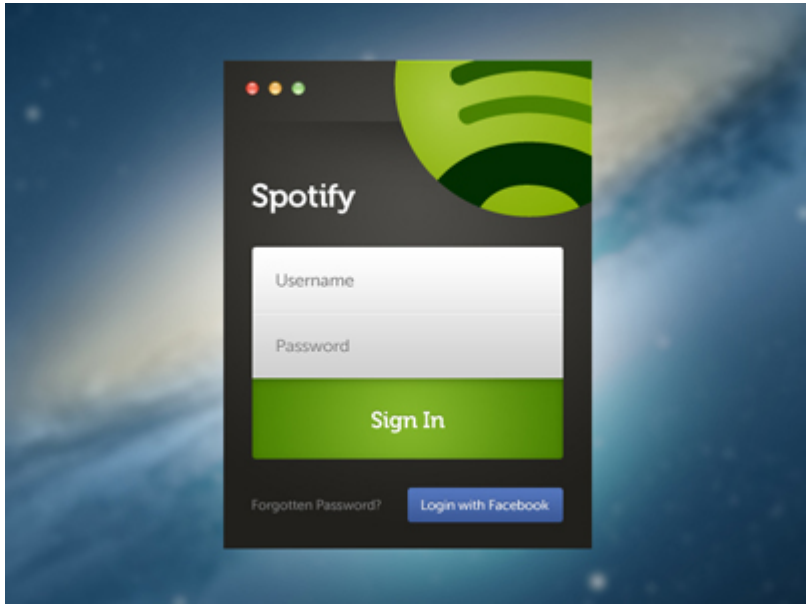
Tools

- We used easel.ly to make the storyboard.
- We will be using D3.js for the implementation. We will use the Last.fm API to get the real time data for the music tracks (Geo. getTopTracks) and artists (Geo.getTopArtists).
- Finally, we will make use of Spotify to add these tracks to the queue so the user can listen to them in real time.

STORYBOARD

Login with Spotify

We chose to login with Spotify so that the user is able to play the track through Spotify whenever he clicks on a track.



Top Artists in the country

Top Tracks in the country.

The Map: We can click on states to zoom into the scope of the state.

Each state will have a track listed on it which indicates the most played track in that state. The user can click on the track to play it in realtime.

Dynamic Map

The user can hover on any state and it will be highlighted.

Moreover, the user can click on a state to zoom into it’s scope.

In the scope of the state the user can see the top tracks for that state.

(Next Slide)

Map.fm: State

When the user clicks on one specific state it comes to this state view.

The user is able to see the top artists and tracks in this state.

Thank you!