

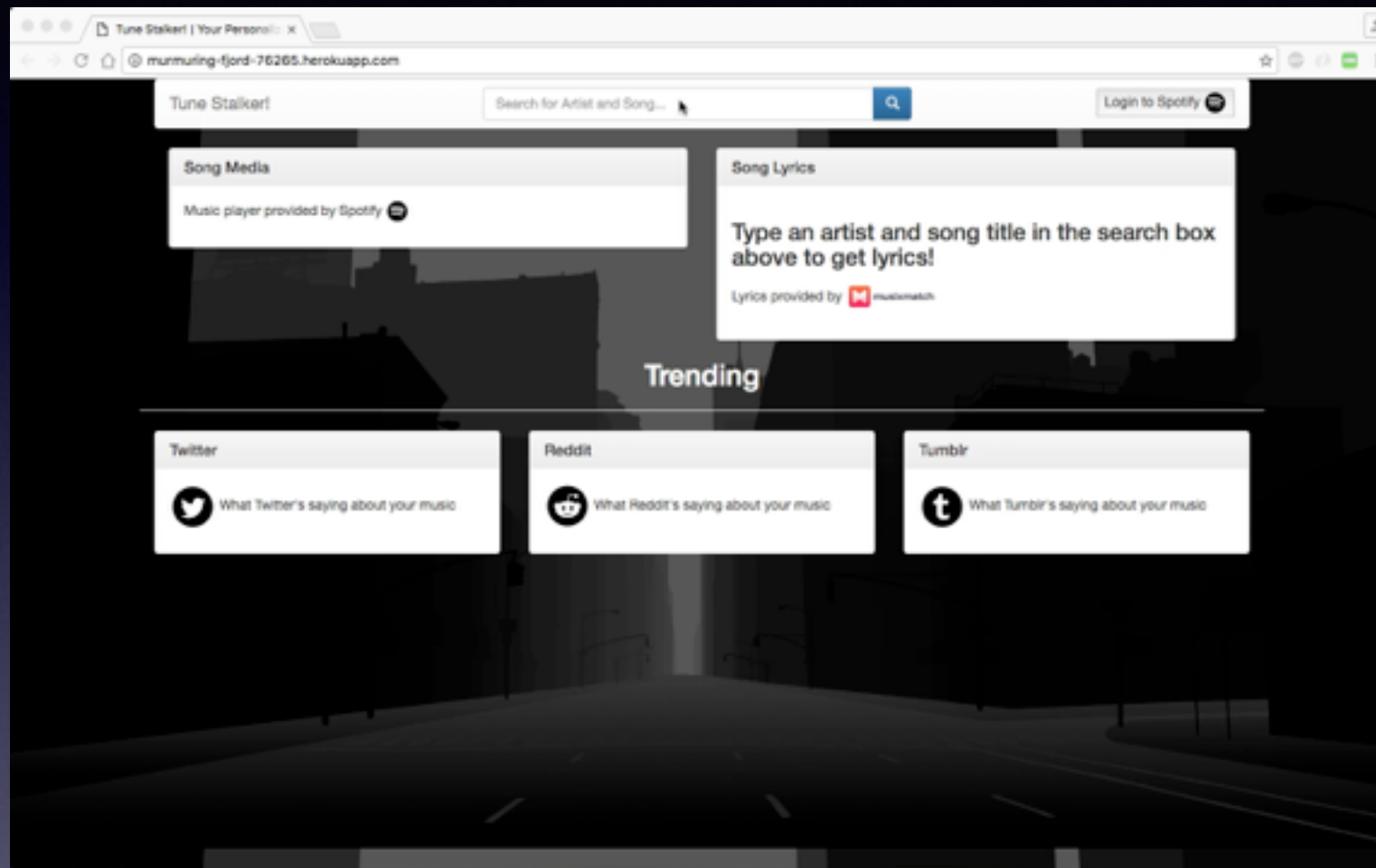


THE A-TEAM

...and Phil

TuneStalker

Your Personalized Music Hub



Project Team Members:

Angela Adams - Front End

Anthony Santiago - Back End

Philip Van Schepen - Back End & PM

Alex Watson - Font End

Tune Stalker!

Search for Artist and Song...



Login to Spotify

Song Media

Music player provided by Spotify

Song Lyrics

Type an artist and song title in the search box above to get lyrics!

Lyrics provided by musixmatch

Trending

Twitter



What Twitter's saying about your music

Reddit



What Reddit's saying about your music

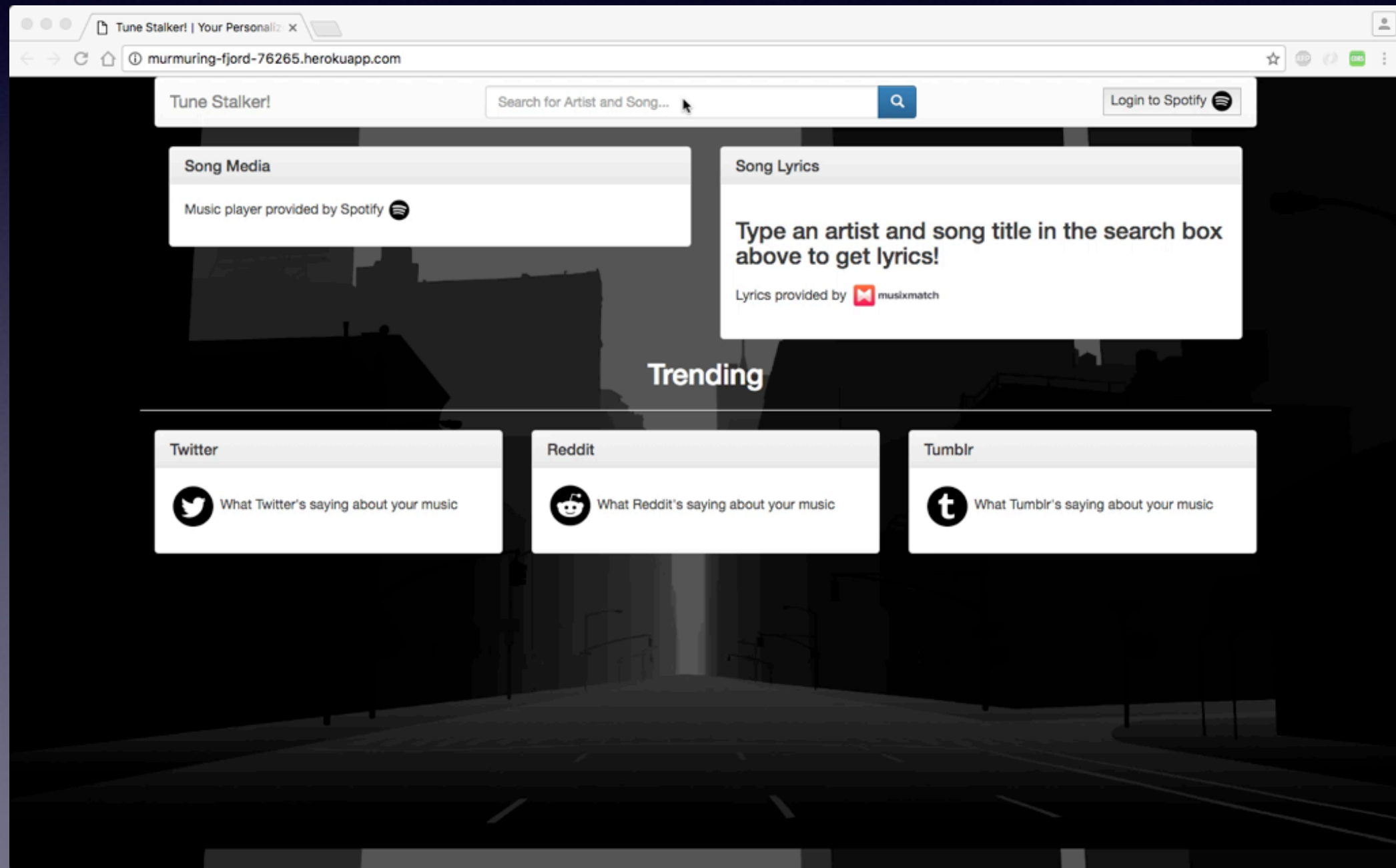
Tumblr



What Tumblr's saying about your music

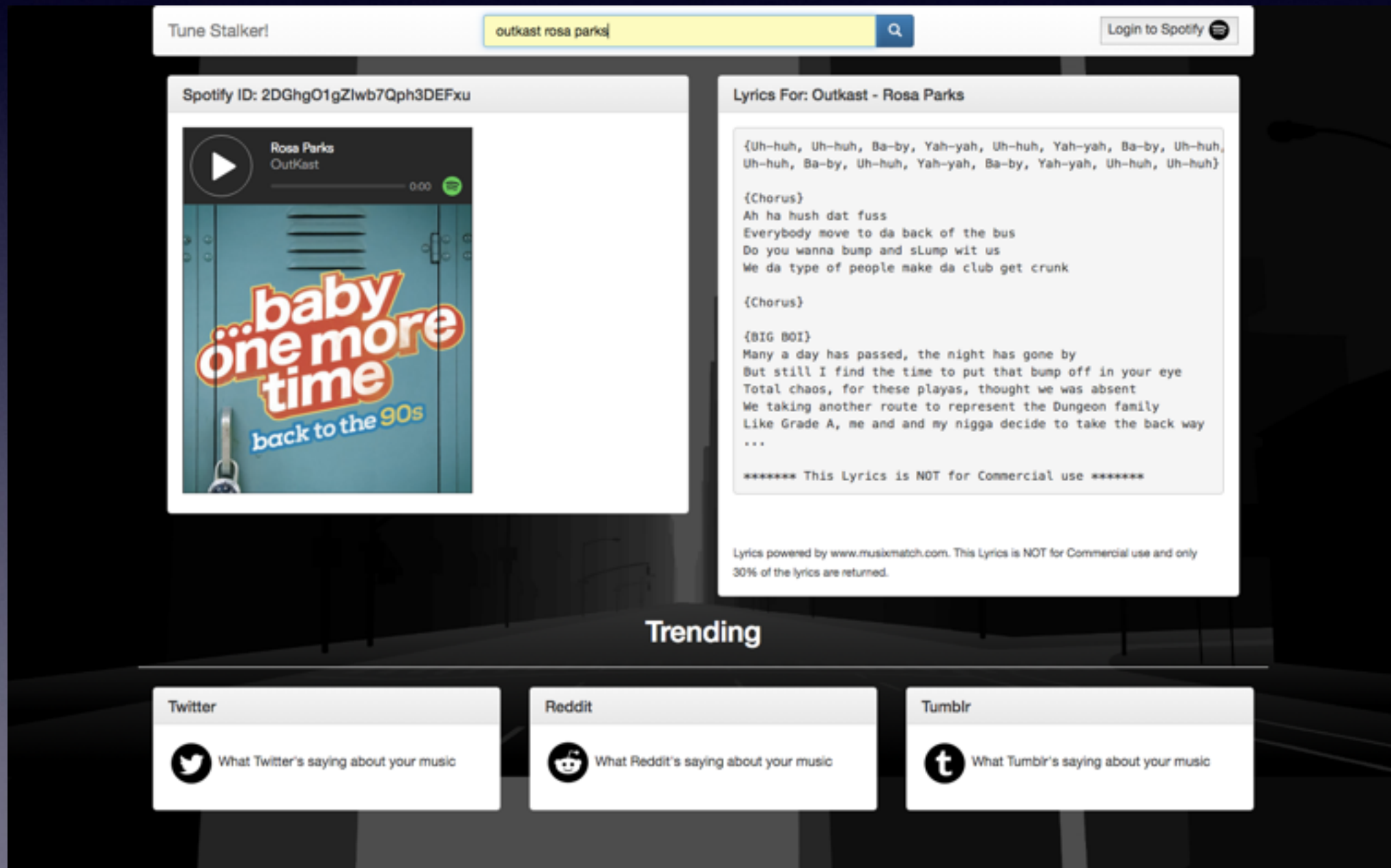
Alex Watson - Front End

- Look and Feel
- Structure
- Usability



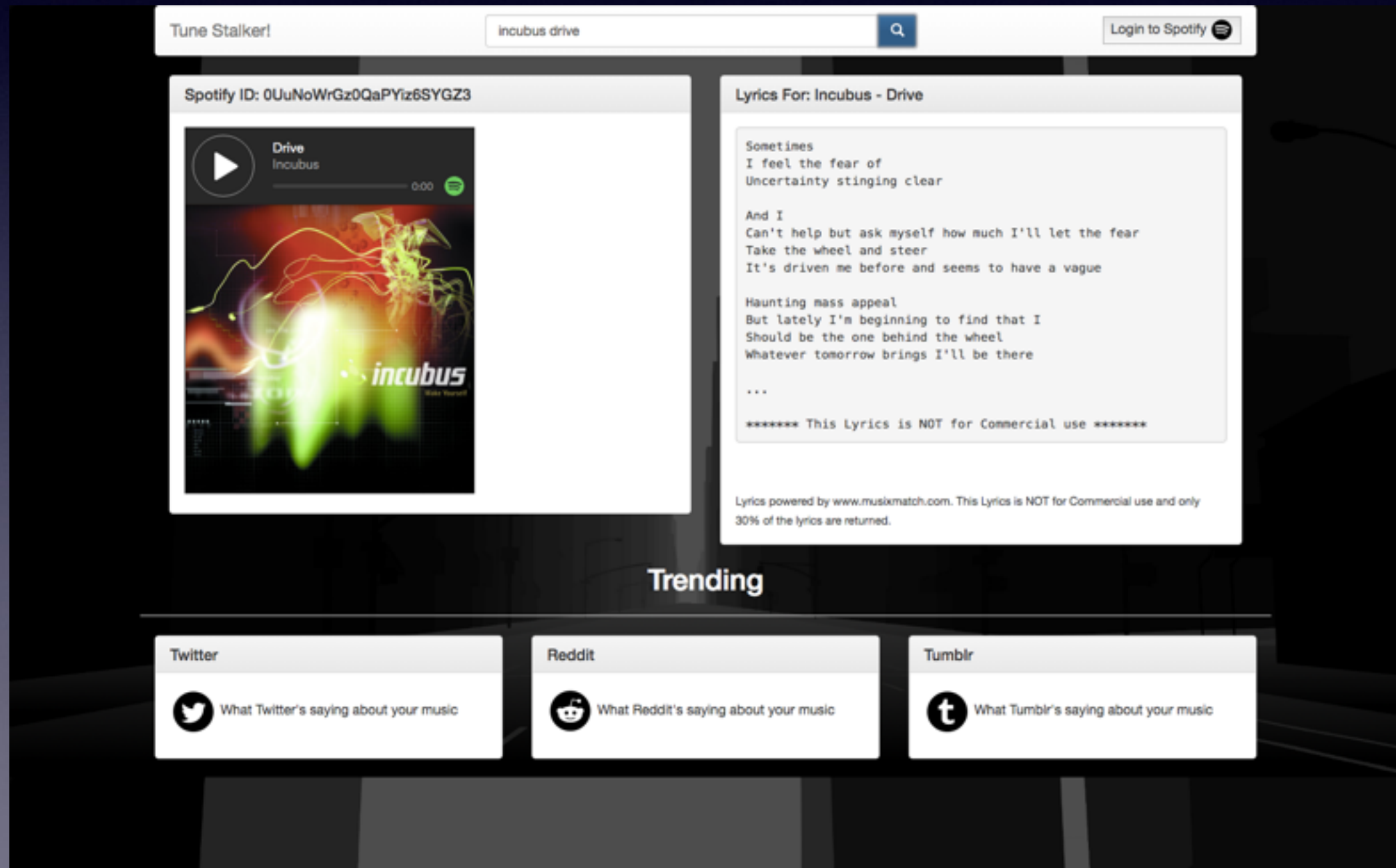
Look & Feel

- Colors
- User Interaction
- Bootstrap vs Foundation



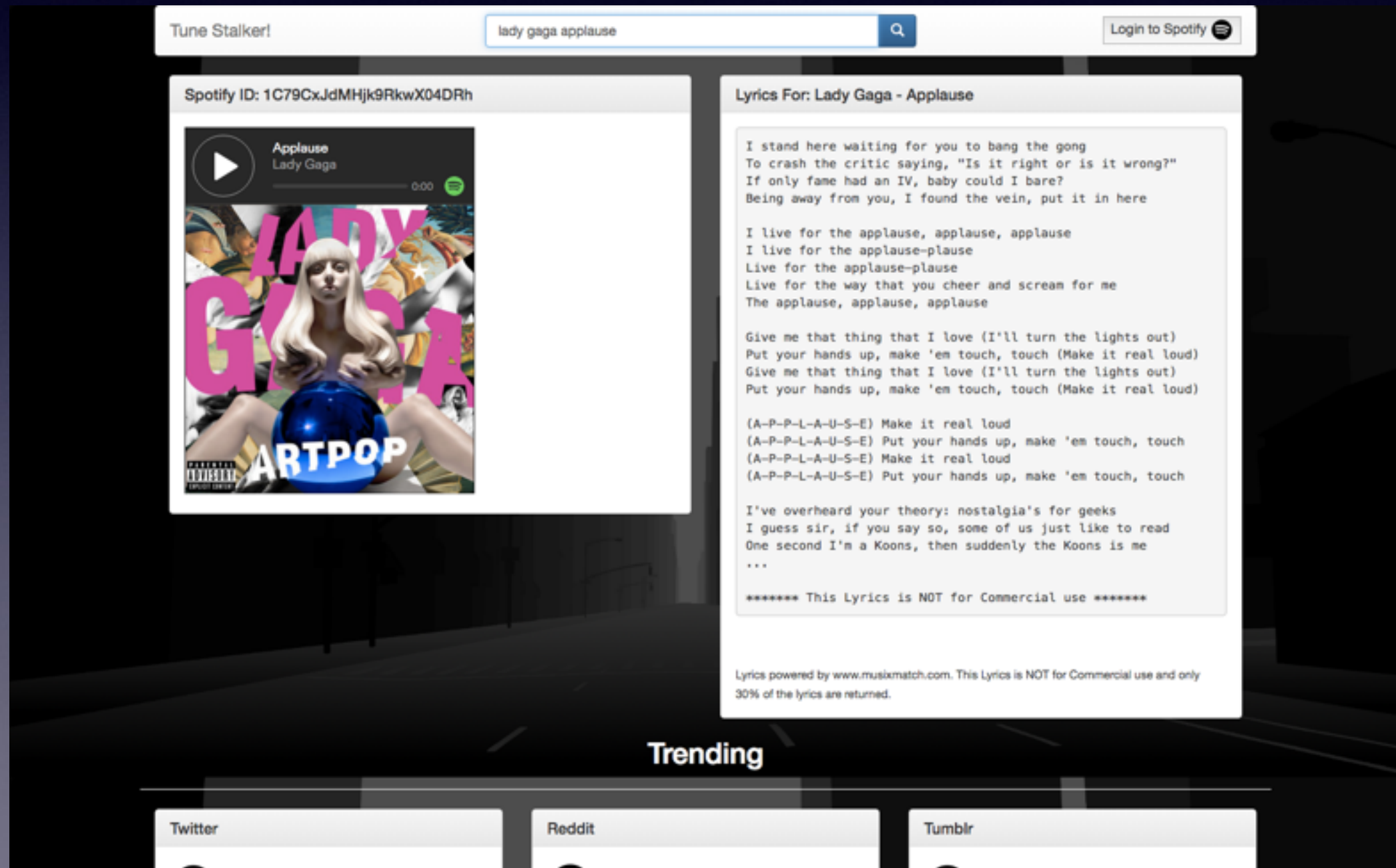
Structure

- Colors
- User Interaction
- Bootstrap vs Foundation



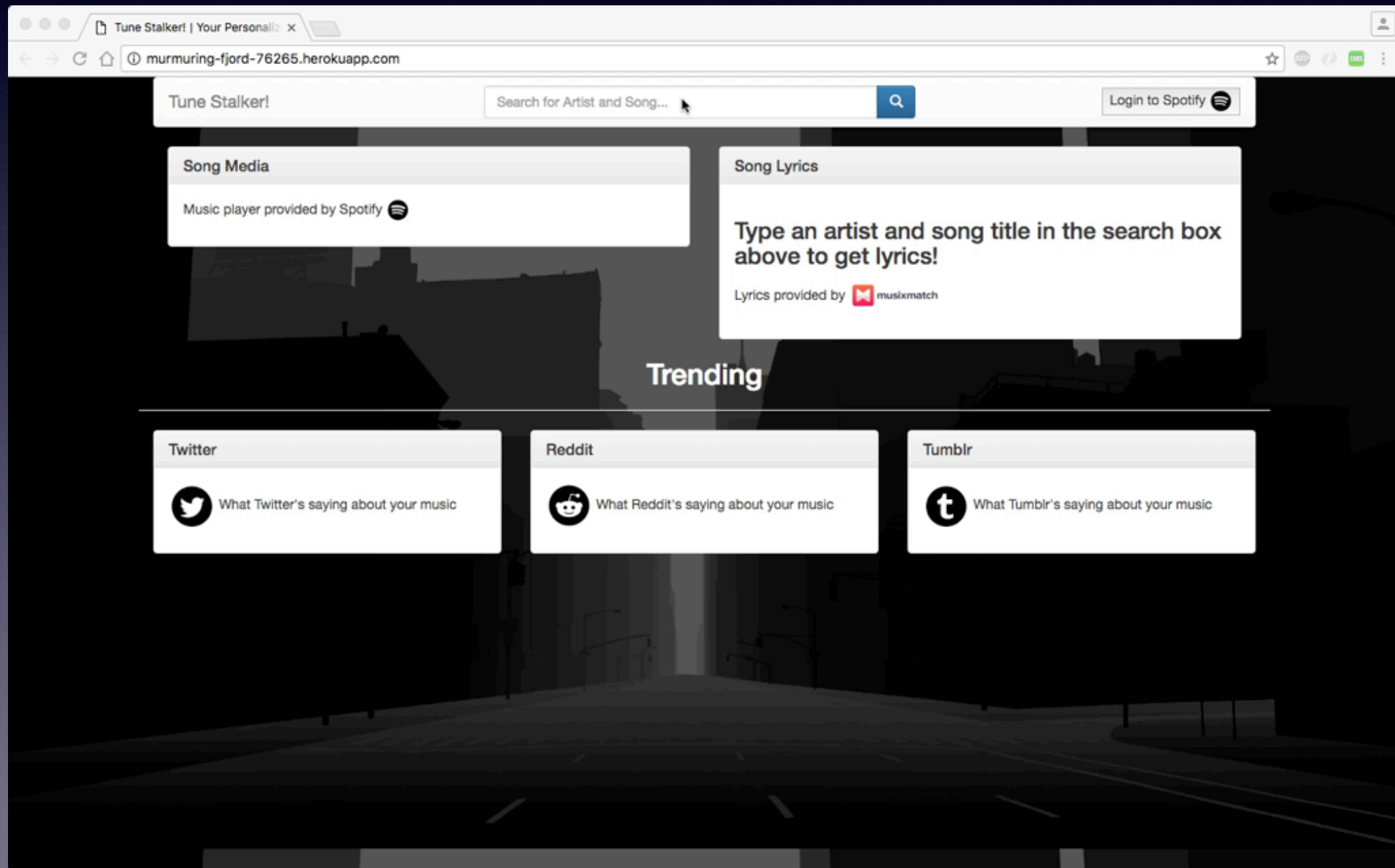
Usability

- Site Flow
- Load Time
- Expandability



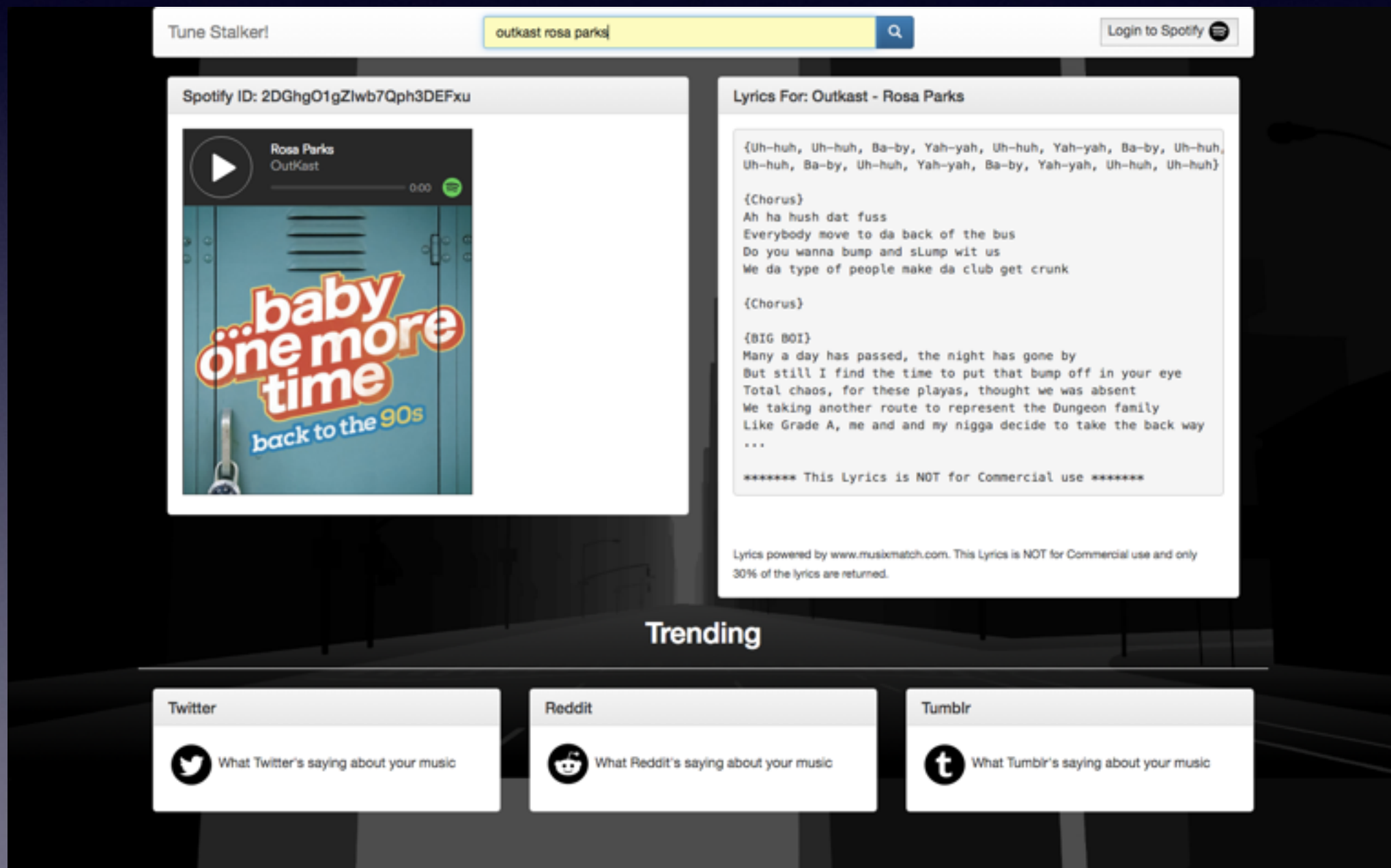
Angela Adams - Front End

- Design Evolution
- Nice to Haves
- Front End Summary



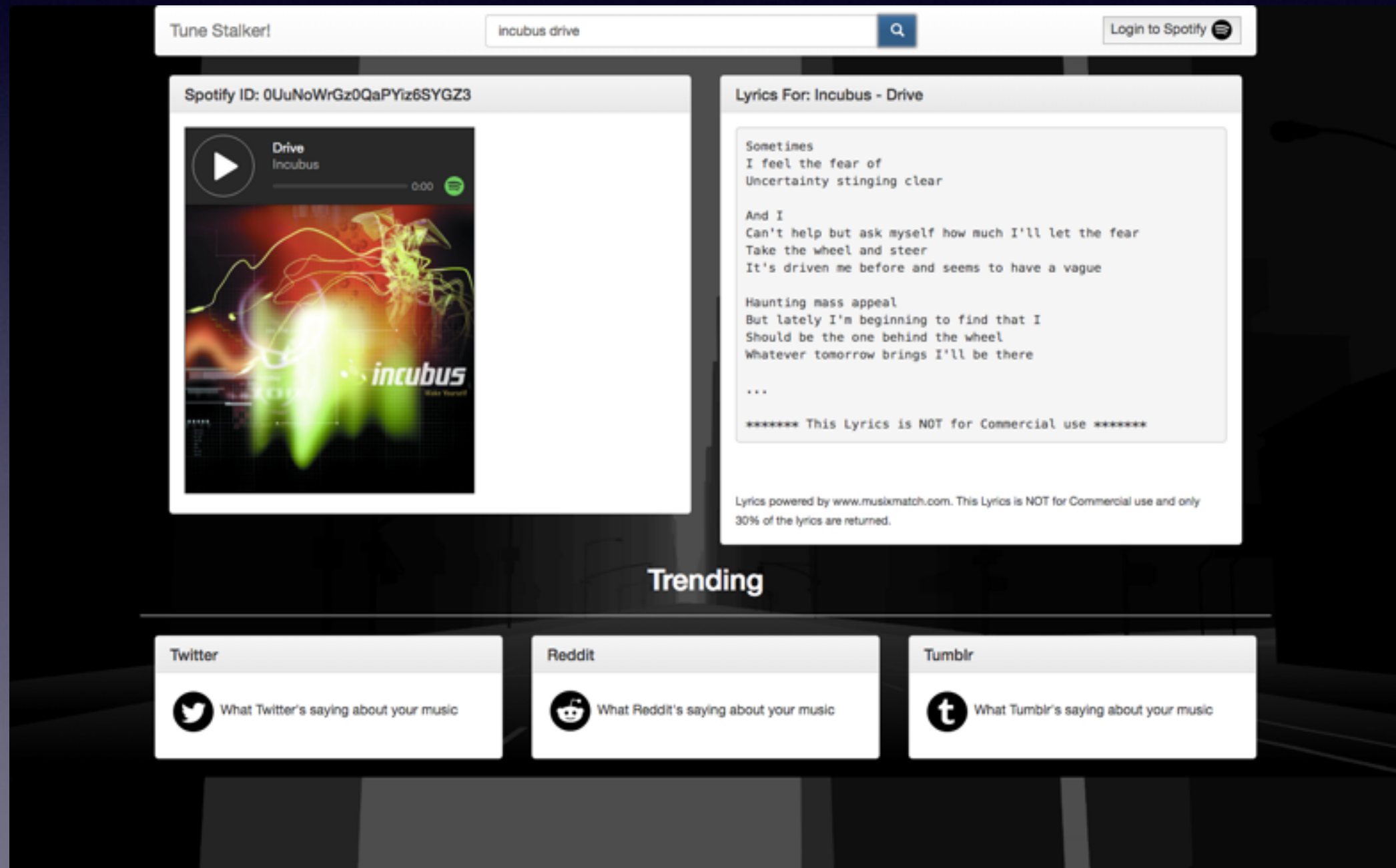
Site Evolution

- Wireframe
- Layout
- Navigation Bar

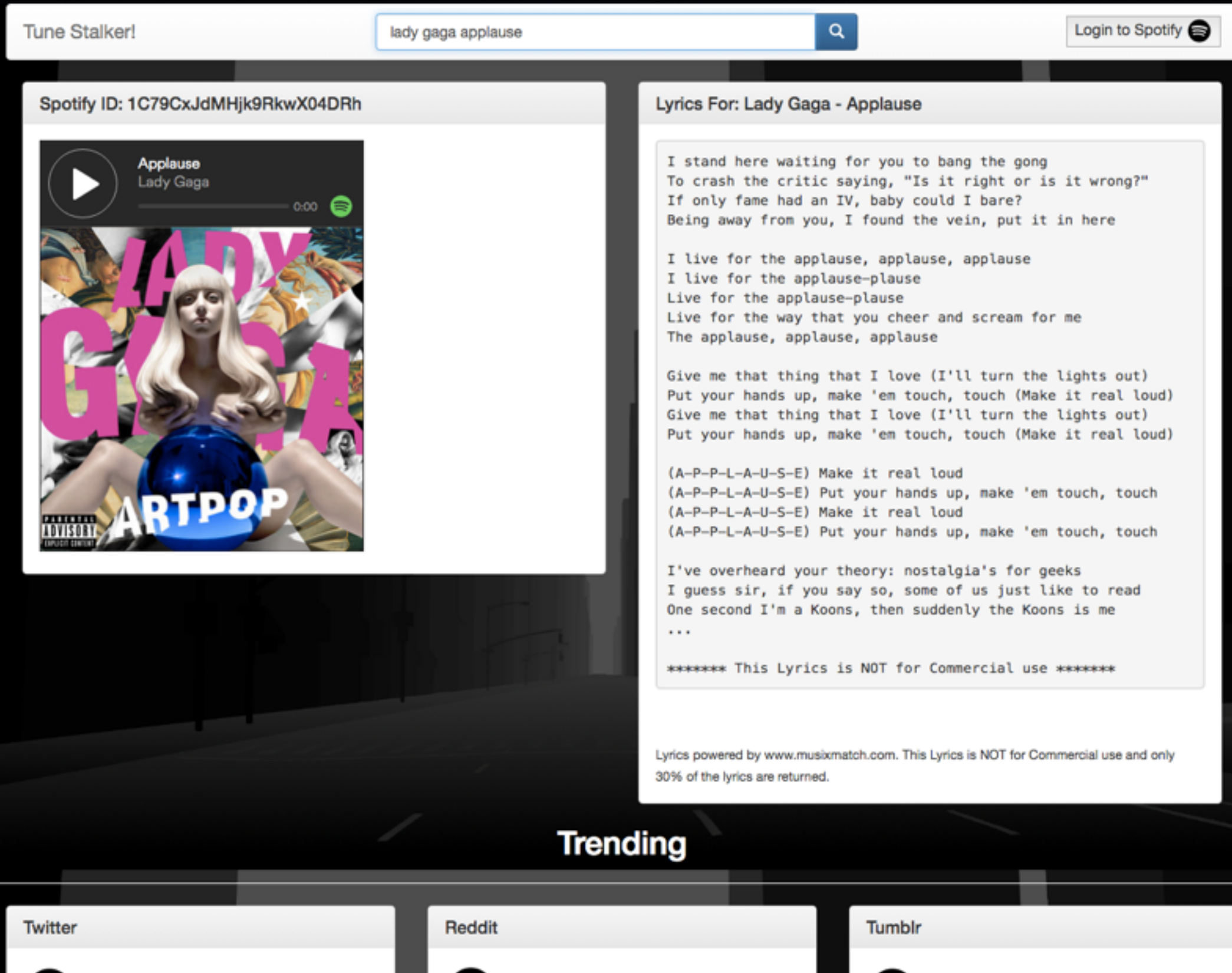


Nice to Haves

- Custom TuneStalker Logo
- Unified Color Scheme
- Recommendations
- Trending



Front End UI Summary



Front End Code Summary

```

35 <body>
36 <div class="container">
37 <!-- ***** -->
38 <!-- Navbar -->
39 <!-- ***** -->
40 <nav class="navbar navbar-default">
41 <div class="container-fluid">
42
43 <div class="navbar-header">
44 <a class="navbar-brand" href="#">Tune Stalker!</a>
45 </div>
46
47 <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
48 <form class="navbar-form navbar-left" onSubmit="return false;">
49 <div class="input-group" id="navbarSearch">
50 <input class="form-control" id="searchInput" type="text" placeholder="
51 Search for Artist and Song...">
52 <span class="input-group-btn">
53 <button class="btn btn-primary" id="searchButton" type="button"><span
54 class="glyphicon glyphicon-search" aria-hidden="true"></span></button>
55 </span>
56 </div><!-- /input-group -->
57 </form>
58
59 <ul class="nav navbar-nav navbar-right" id="navbarLinks">
60 <li><button id="loginButton">Login to Spotify </button></li>
62 </ul>
63 </div><!-- /.navbar-collapse -->
64 </div><!-- /.container-fluid -->
65 </nav>
66
67 <!-- ***** -->
68 <!-- Modal -->
69 <!-- ***** -->
70 <div class="modal" id="loginModal">
71 <div class="modal-content">
72 <span class="close">X</span>
73 <form class="cmxform" id="loginForm" method="get" action="" autocomplete="off">
74 >
75 <fieldset>
76 <legend>Please login to your Spotify account</legend>
77 <p>
78 <label for="cemail">E-Mail</label>
79 <input id="cemail" name="email" type="email" required>
80 </p>
81 <p>
82 <label for="cpassword">Password</label>
83 <input id="cpassword" name="password" type="password" required></input>
84 </p>
85 <p>
86 <input class="submit" type="submit" value="Log In">
87 </p>
88 </fieldset>
89 </form>
90 </div><!-- /.modal-content -->
91 </div><!-- /.modal -->
92 <!-- ***** -->

```

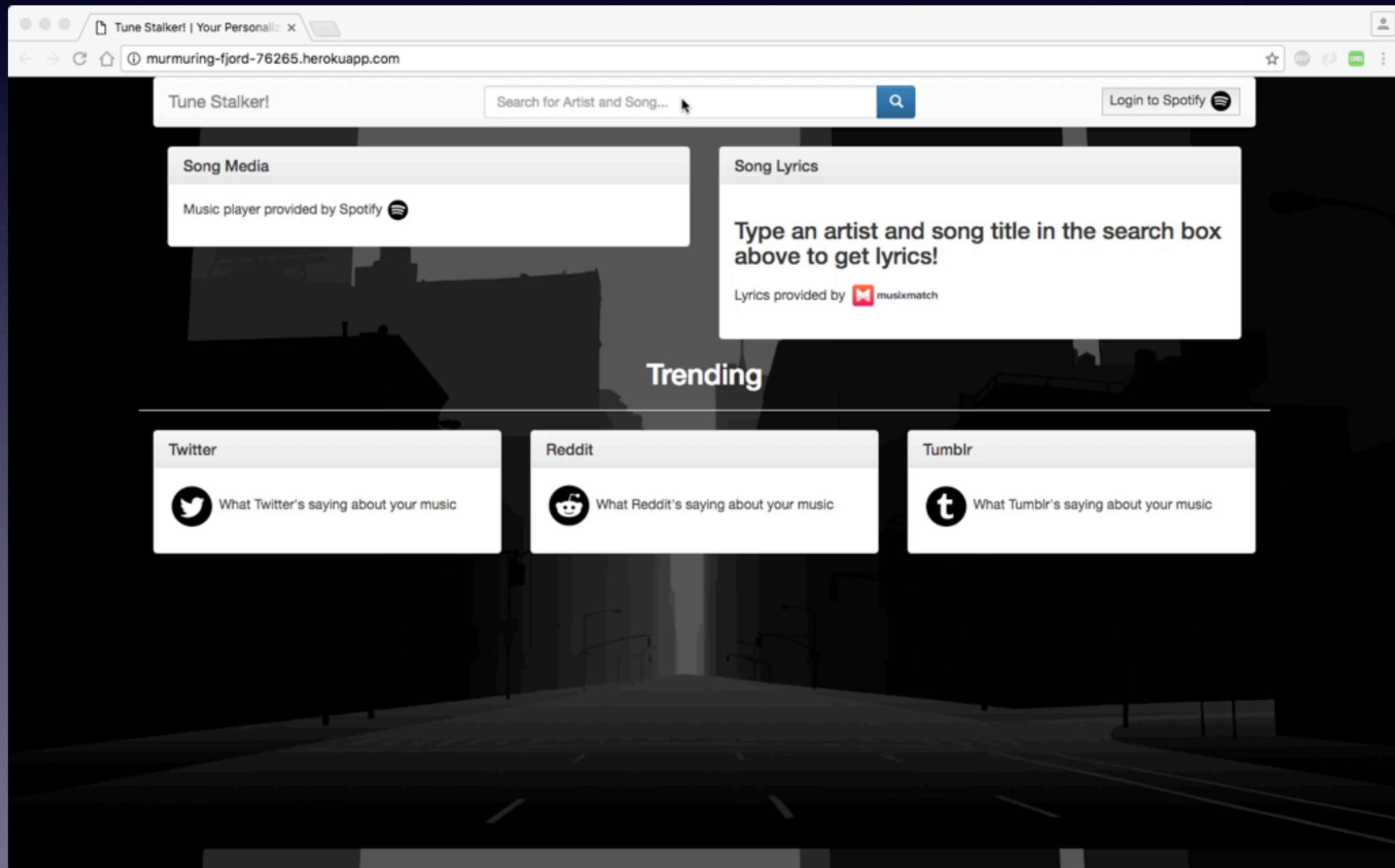
```

1 * {
2   box-sizing: border-box;
3 }
4
5 body {
6   margin: 0;
7   background-image: url('../img/city_vector_street_empty_city_street_building-7959.png');
8   background-size: 1440px 800px;
9   background-repeat: repeat;
10  display: compact;
11 }
12
13 .container {
14   position: relative;
15 }
16
17 #navbarSearch {
18   min-width: 500px;
19   position: absolute;
20   left: 30%;
21 }
22
23 #loginButton {
24   margin-top: 10px;
25 }
26
27 /* The Modal (background) */
28 .modal {
29   display: none; /* Hidden by default */
30   position: fixed; /* Stay in place */
31   z-index: 1; /* Sit on top */
32   left: 0;
33   top: 0;
34   width: 100%; /* Full width */
35   height: 100%; /* Full height */
36   overflow: auto; /* Enable scroll if needed */
37   background-color: rgb(0,0,0); /* Fallback color */
38   background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
39 }
40
41 /* Modal Content/Box */
42 .modal-content {
43   background-color: #fefefe;
44   margin: 15% auto; /* 15% from the top and centered */
45   padding: 20px;
46   border: 1px solid #888;
47   width: 80%; /* Could be more or less, depending on screen size */
48 }
49
50 /* The Close Button */
51 .close {
52   color: #aaa;
53   float: right;
54   font-size: 28px;
55   font-weight: bold;
56 }
57
58 .close:hover,
59 .close:focus {
60   color: black;

```

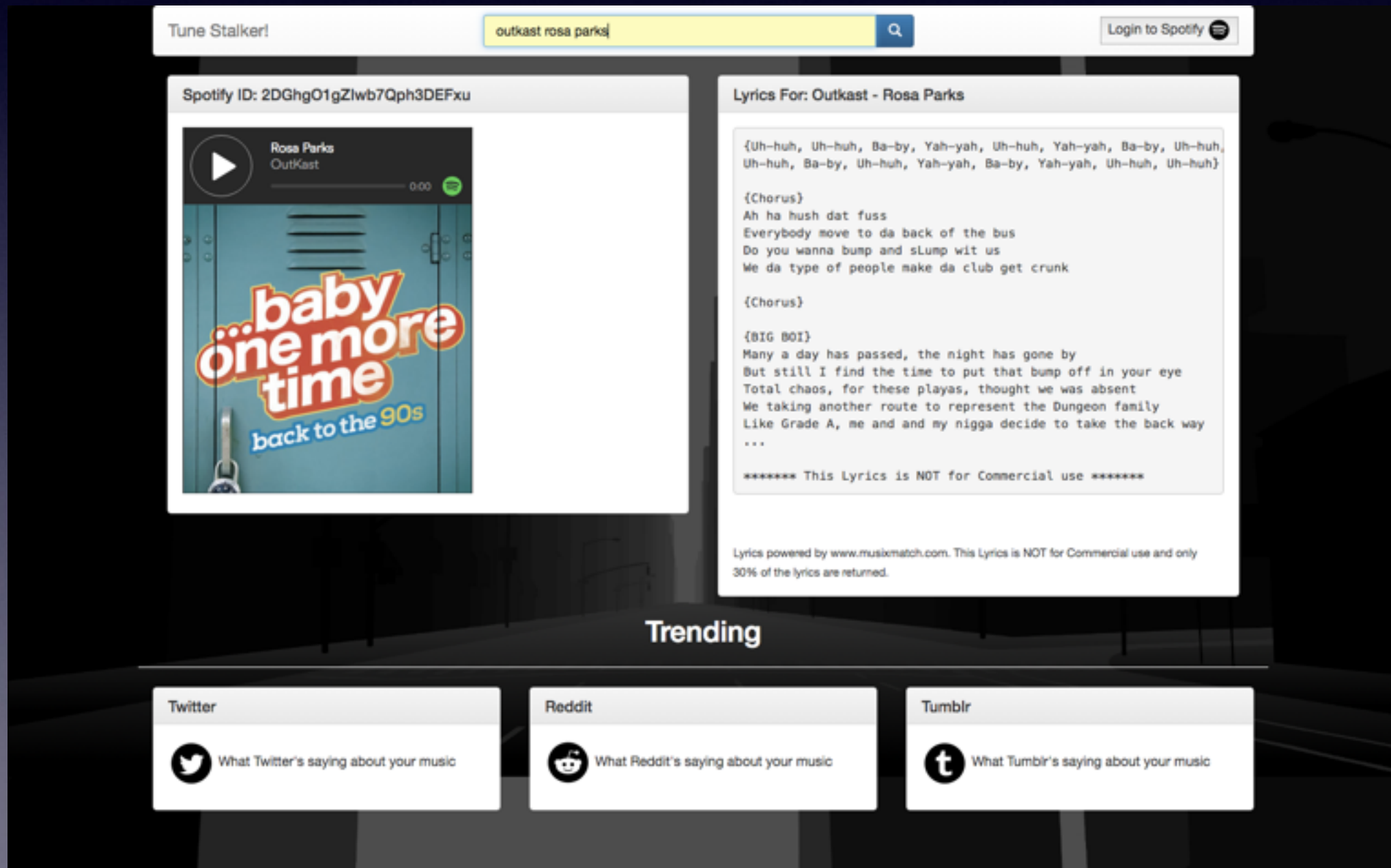
Anthony Santiago - Back End

- APIs Used
- Nice to Haves



Our APIs

- MusixMatch
- Spotify



Nice to Haves


- YouTube (Vevo)
- Tumblr
- Twitter
- Reddit

Tune Stalker!

incubus drive

Login to Spotify

Spotify ID: 0UuNoWrGz0QaPYiz6SYGZ3



Drive
Incubus

0:00

Lyrics For: Incubus - Drive

Sometimes
I feel the fear of
Uncertainty stinging clear

And I
Can't help but ask myself how much I'll let the fear
Take the wheel and steer
It's driven me before and seems to have a vague

Haunting mass appeal
But lately I'm beginning to find that I
Should be the one behind the wheel
Whatever tomorrow brings I'll be there


...

***** This Lyrics is NOT for Commercial use *****


Lyrics powered by www.musixmatch.com. This Lyrics is NOT for Commercial use and only 30% of the lyrics are returned.

Trending


Twitter

 What Twitter's saying about your music

Reddit

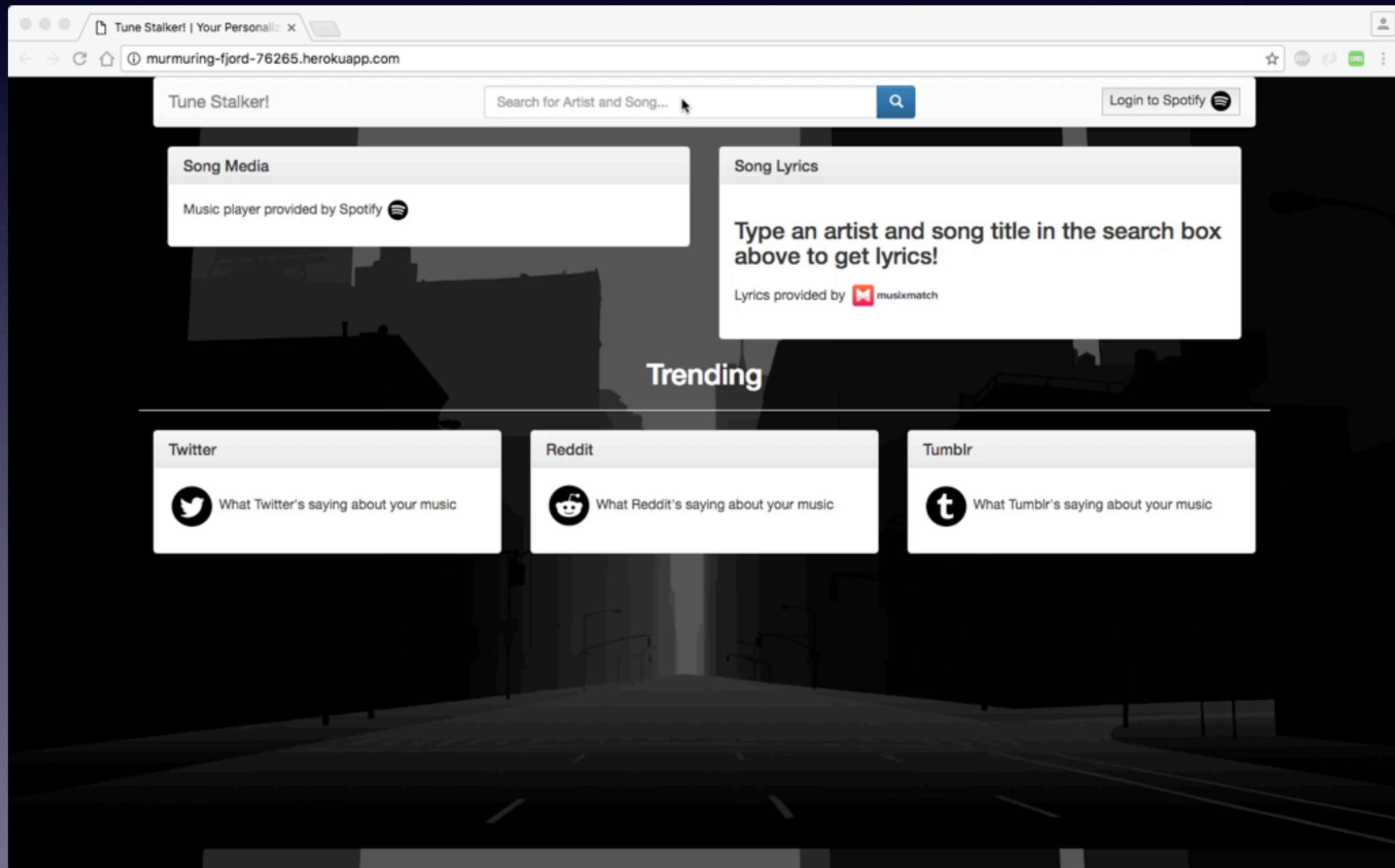
 What Reddit's saying about your music

Tumblr

 What Tumblr's saying about your music

Phil Van Schepchen - Back End

- APIs Integration
- API Compliance
- Nice to Haves



API Integration

- Query MusixMatch
- Display Spotify Player
- Additional Variables

```
1 $(document).ready(function() {
2
3 // Global Variables
4 //-----
5
6 var search = "";
7 var musixTrackId = "";
8 var spotifyTrackId = "";
9 var musicBrainzId = "";
10 var lyrics = "";
11 var copyright = "";
12 var artist = "";
13 var album = "";
14 var song = "";
15 var albumArt = "";
16 var releaseDate = "";
17
18 // Functions
19 //-----
20
21 // MusixMatch API(Phil)
22
23 // Search MusixMatch for track and return first track ID
24 function getMusicInfo(search) {
25 // console.log("Searching for: " + search);
26 var settings = {
27   "async": true,
28   "crossDomain": true,
29   "url": "http://crossorigin.me/http://api.musixmatch.com/ws/1.1/track.search?apikey=2d5a",
30   "method": "GET",
31   "dataType": "json",
32
33   "headers": {
34     // "cache-control": "no-cache",
35     // "postman-token": "86d37139-361c-0e1f-bc05-0a826abaa0b6",
36   }
37 }
38
39 $.ajax(settings).done(function (response) {
40   musixTrackId = response.message.body.track_list[0].track.track_id;
41   spotifyTrackId = response.message.body.track_list[0].track.track_spotify_id;
42   musicBrainzId = response.message.body.track_list[0].track.artist_mbid;
43   artist = response.message.body.track_list[0].track.artist_name;
44   album = response.message.body.track_list[0].track.album_name;
45   song = response.message.body.track_list[0].track.track_name;
46   albumArt = response.message.body.track_list[0].track.album_coverart_000x000;
47   releaseDate = response.message.body.track_list[0].track.first_release_date;
48   document.getElementById("player").innerHTML = '<iframe src="https://embed.spotify.com/?'
49   document.getElementById("player header").innerHTML = "Spotify ID: " + spotifyTrackId;
50
51   //***Testing/Debugging***
52
53   // console.log(response)
54   // console.log('spotifyTrackId: ' + spotifyTrackId)
55   // console.log('musixTrackId: ' + musixTrackId)
56   // console.log('artist: ' + artist)
57   // console.log('song: ' + song)
58
59
60
61 // $.each(response.message.body.track_list, function(k, value) {
62 //   console.log('Track ' + k, value);
63 // });
64
65 // console.log("Lyrics Get for ID: " + musixTrackId)
66 var settings = {
67   "async": true,
68   "crossDomain": true,
69   "url": "http://crossorigin.me/http://api.musixmatch.com/ws/1.1/track.lyrics.get?apikey=2d5a",
70   "method": "GET",
71   "dataType": "json",
72   "headers": {
73     // "cache-control": "no-cache",
74     // "postman-token": "fffd2e784-d442-cb45-5451-3dbcc0be3c89"
75   }
76 }
77
78 $.ajax(settings).done(function (response) {
79   lyrics = response.message.body.lyrics.lyrics_body;
80   copyright = response.message.body.lyrics.lyrics_copyright;
81   document.getElementById("Lyrics").innerHTML = "<pre>" + lyrics + "</pre><br><br><small>" + copyright + "</small>";
82   document.getElementById("lyrics header").innerHTML = "Lyrics For: " + artist + " - " + song;
83
84   //***Testing/Debugging
85   // console.log('lyrics response: ' + lyrics)
86   // console.log('musix Copyright: ' + copyright)
87
88   });
89
90 });
91
92 // App Logic
93 //-----
94
95 // Places the focus in the big searchInput text-box
96 $("#searchInput").focus();
97
98 // resultsPage is loaded but automatically hidden at page load
99 //$("#resultsPage").hide();
100
101 // Event Listener for hitting Enter key to initiate searching
102 $("#searchInput").keyup(function(event) {
103   if ( event.keyCode === 13 ) {
104     // console.log("Enter key pushed!");
105     $("#searchButton").click();
106   }
107 });
108
109 // Capture Button Click to initiate searching
110 $("#searchButton").on("click", function() {
111   search = $('#searchInput').val().trim()
112
113   // Code for the push
114   database.ref().push({
115
116
```


API Compliance

MusixMatch Requires a tracking script and the display of their (grammatically incorrect) copyright with lyrics.

Important notice

You have to include in your page/application one of the two available tracking system:

- Javascript script for web sites
Include the url returned into the field script_tracking_url as a script

```
script type="text/javascript" src="http://tracking.musixmatch.com/t1.0/AMa6hJCIEzn1v8Ru0P"
```

- Image pixel
Include the url returned into the field pixel_tracking_url as an image src when it's not possible to use the script:

```

```

Furthermore, every time a lyrics is present in a page the lyrics_copyright field must also be clearly visible.

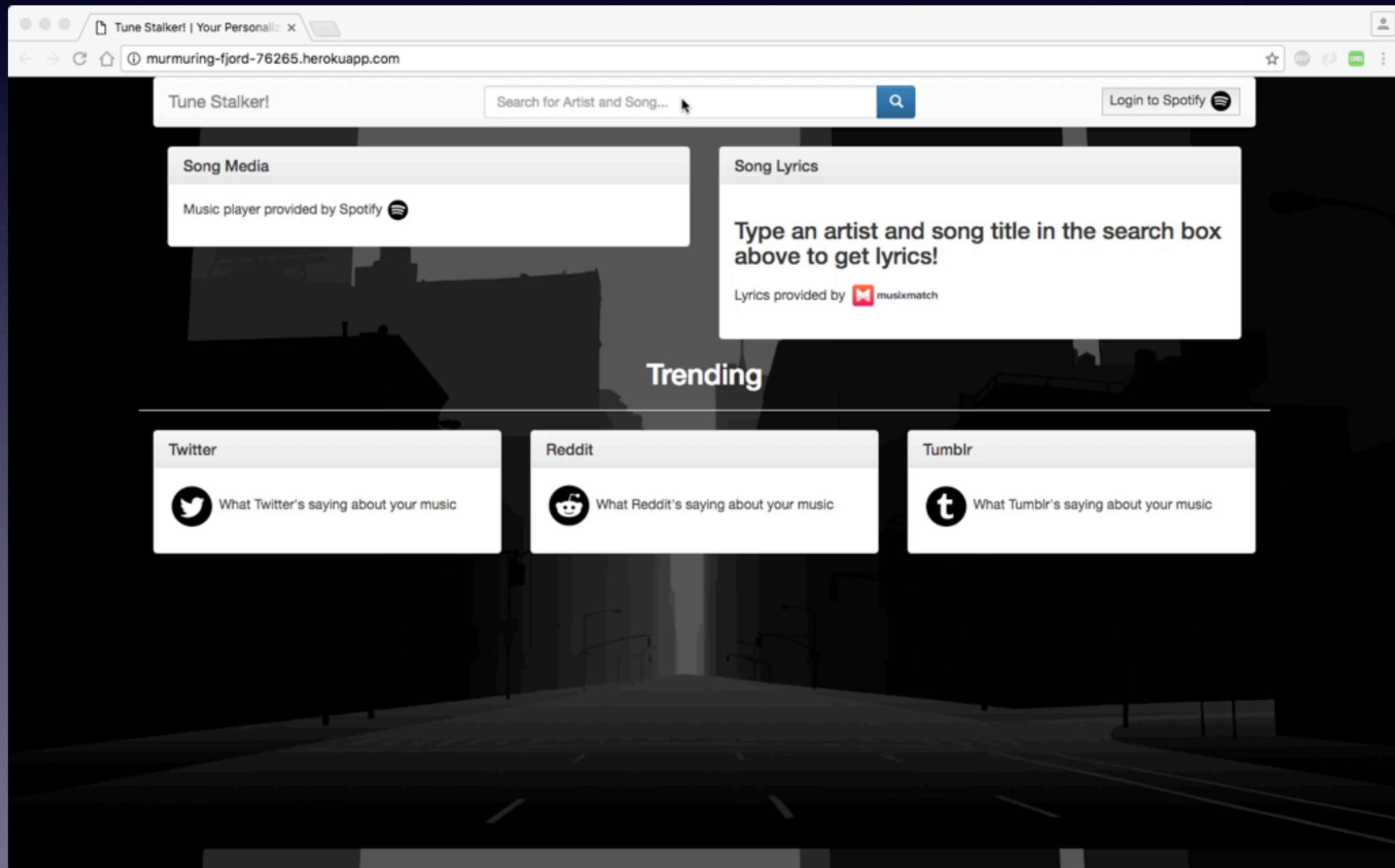
```
27
28 <!-- MusixMatch tracking for API compliance. for additional info: https://
29 <script type="text/javascript" src="http://tracking.musixmatch.com/t1.0/AMa6hJCIEzn1v8Ru0P
30 "></script>
```

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Lyrics powered by www.musixmatch.com. This Lyrics is NOT for Commercial use and only 30% of the lyrics are returned.

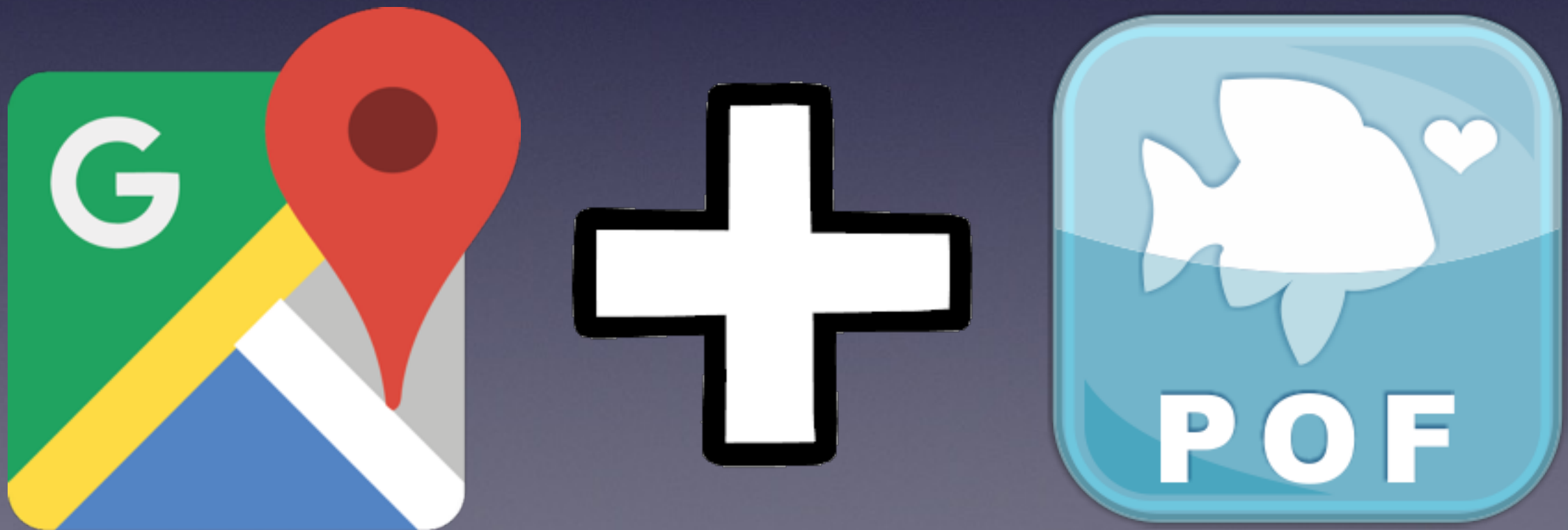
Nice to Haves

- MusixMatch JSON validation
- If Vevo / Else Spotify
- Extra Variables

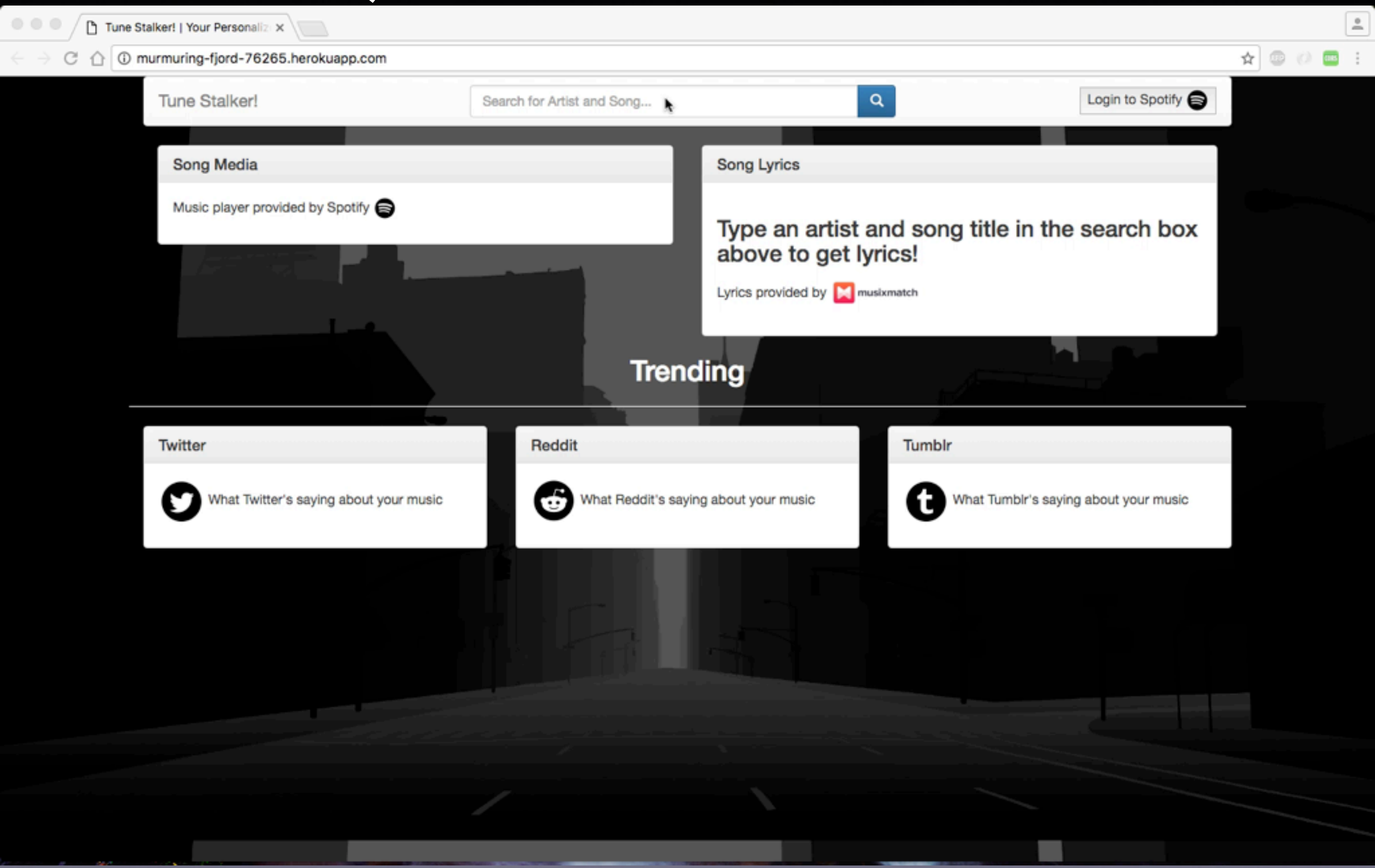


Next Project: TunaStalker

The last fish finder any fisherman person will ever need.



Questions?



Thank You!