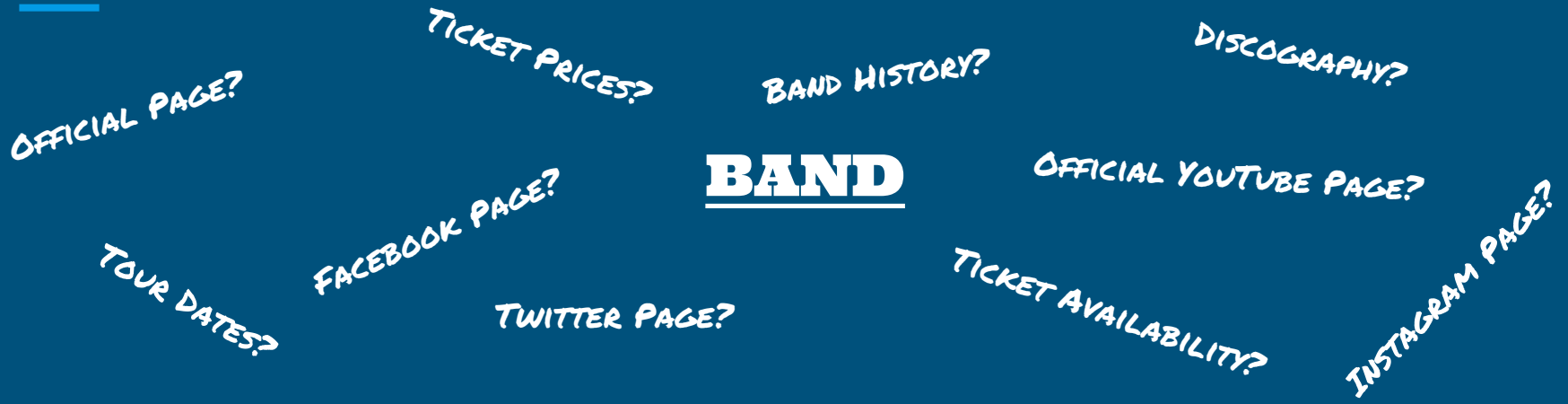
Fandemonium
Never miss a show.

Description

Our application allows music-lovers to keep track of their favorite bands by providing an all-in-one web site where they can get all the info they want for an artist including their upcoming shows.

Motivation



There has to be a better way to get all the information you need on the bands you love.

All social pages. All concert info. All on one page.

Results

Using HTML, CSS, Bootstrap, Bootbox modals, and Javascript; the Bandsintown and Musicgraph APIs via Ajax calls; the Mapbox GL and GeoJSON; and Firebase online database, we were able to create an app which lets the user search for a musical artist, their social links, and upcoming shows.

- All searched artists are saved in the database and provided on the GUI as buttons for quick access later. The user can delete saved artists from the GUI.
- Two successive calls are made to the MusicGraph API: First to find the artist's MusicGraph ID and the second to get the social URLS for that particular artist. Defined URLs are displayed on screen.
- The upcoming shows are retrieved via the BandsInTown API, and all venues are marked on an interactive map; clicking on these markers brings up a pop-up, which has a link to the events table.
- The upcoming events table shows the date/time, location and venue of each event, along with a link to purchase tickets for the event and a flyTo button to refer back to map.

Demo

Fandemonium

Team Effort

The Fandemonium team delegated effort based on our project plan. From the project plan, the team members selected an area of focus. Those areas included Firebase, Moment JS, Mapbox GL, APIs, and Bootbox.

Styling and HTML formatting were done as a team. We used Slack, class time, and Skype to work together to fine-tune the layout of the site.

Individual Responsibilities

- Zeynep: Firebase, Bandsintown API, click handlers for search, artist, and delete artist buttons
- Denis: Musicgraph API, displaying social links, Bootstrap datepicker, Bootbox modals
- Scott: Mapbox + GeoJSON, adding markers on the map and flyTo buttons

Challenges

- Github pages doesn’t allow HTTP traffic. One of our APIs only supports HTTP. The solution to the problem was a straightforward yet non-intuitive one. Add (https://cors-anywhere.herokuapp.com/) to the beginning of the Ajax call URL.
- Building GeoJSON for the markers (https://en.wikipedia.org/wiki/GeoJSON)
- Working in the same repo together without stepping on each other

Improvements

- Make it a multi-user app by requiring a login and save each user’s data under their login in the db
- Allow user to select specific concerts for an artist and save it to db
- Allow user to save a specific event as a calendar entry in Google calendar format