getBusy

An App For Finding Events In Your City

getBusy Concept

Our goal was to create an application that enables people to search events by city and present them as pins on a Google map with markers.

getBusy Team Members and Responsibilities

Design and UI/UX - Jess Hust

API/Javascript/jQuery- Mike Henry

API/Firebase/jQuery UI - Monica Szabo

getBusy's Changing Concepts

Original Goal - Outdoor Activities

Morphed into - Camping specifically

Settled on:

Random Events in Your City

getBusy Design

Materialize

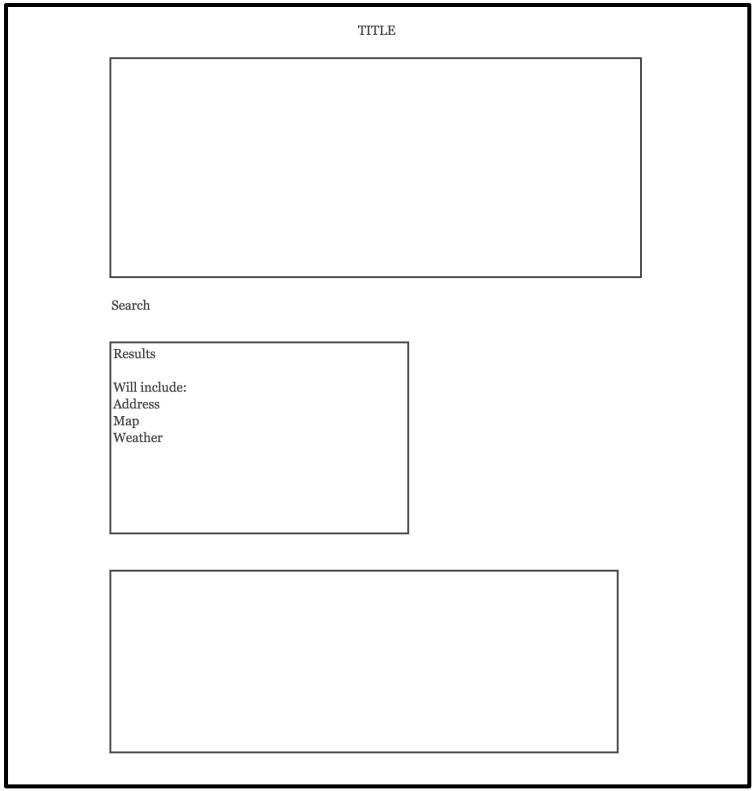
A modern responsive
front-end framework based on Material Design

- **Materialize Framework**
  - Parallax template
  - Responsive, clean design
  - Grid system, same as Bootstrap
- **User Interface**
  - Created one page for simplicity
  - Search for a city
  - Populate results on Google Map

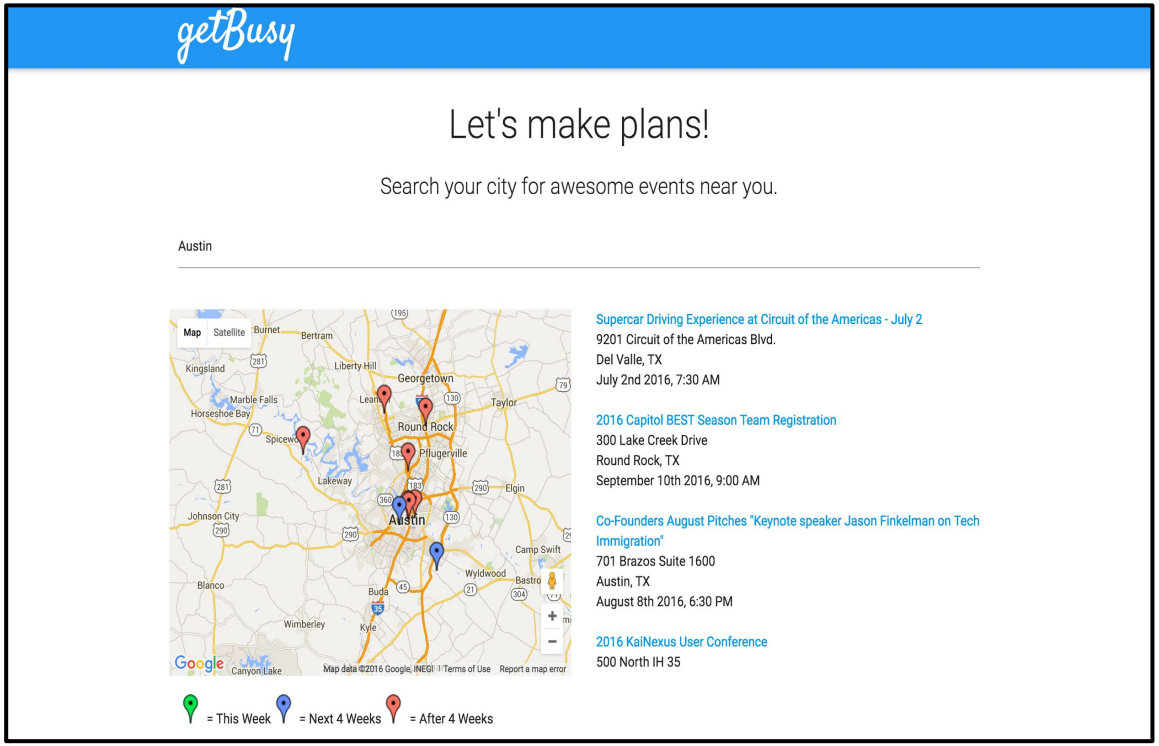
getBusy Design - Initial Design/Wireframe Mockup

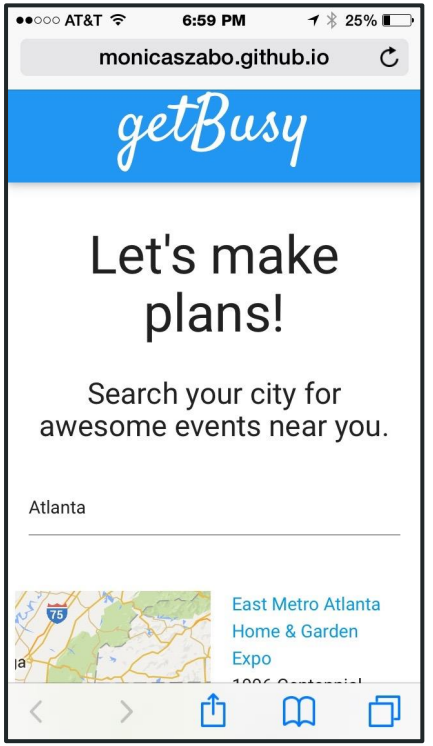
Initial Design accounted for results and images only.

- While planning, we wanted to include a Google map and interactive results, images, and directions.



getBusy Final Design



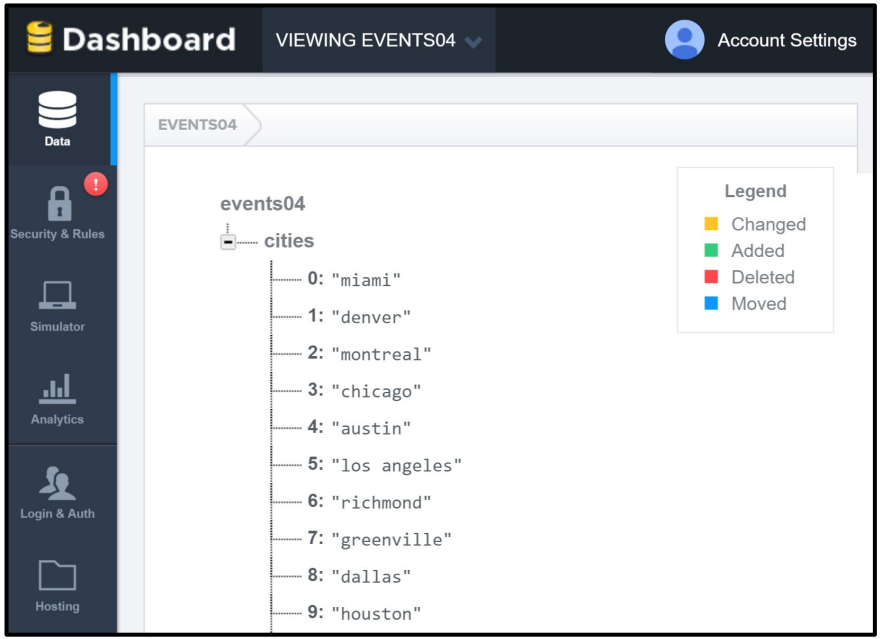


getBusy Eventful API

- Used user input to capture which city they want to look for
- Utilized AJAX to obtain the Eventful API JSON for the queried city
- User input is validated
  - Not all cities have events
  - Prevents saving user errors to database
  - Shows **Autocomplete** of successful searches to help user input
- Would save the data to be used in the map
- Employed Moment.js and Eventful to determine timeframe for event

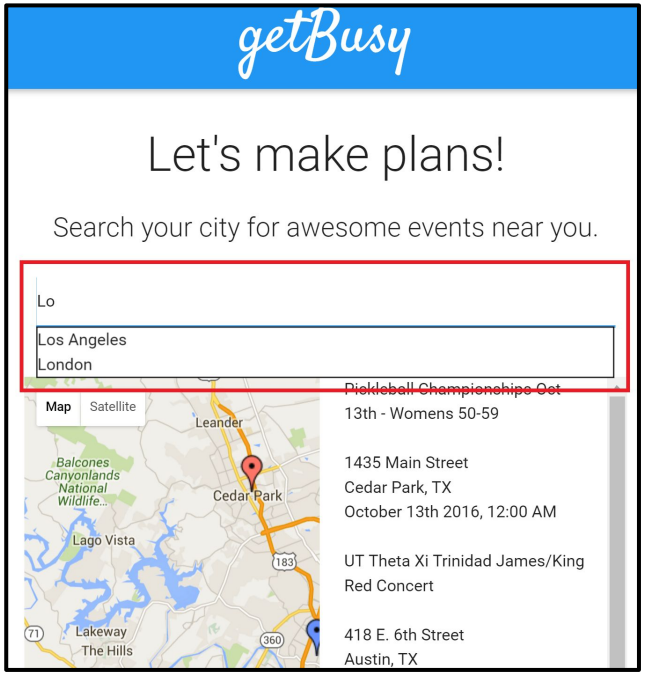
getBusy Firebase

- Utilized Firebase to store successfully queried cities
- Stored the data into an array of cities
  - If the city is already in the database, does not duplicate
  - If the query does not return results, it is not stored in the database
- This data is then used to complete the jQuery UI Autocomplete



Firebase

getBusy jQuery UI



- Employed jQuery UI to create a unique **Autocomplete** of cities
- By working with Firebase, our cities persist if the city creates actual data
  - Will not store junk data or typos
  - If more than 4 cities appear, will be scrollable

getBusy Google Map

- Render a map in a window
  - Google map API returns visual content instead of a data object
- Use the event API object passed to the map feature to:
  - Place markers on the map and make them clickable
  - Populate hover text and info window
  - Recenter and zoom map to include all markers
- Color code markers to show timeframe of the event
  - Green = this week
  - Blue = next 4 weeks
  - Red = after 4 weeks
- Program the ability to remove the markers when a new search is executed

getBusy Google Map

- Google maps API documentation is VERY poor but if you just use Google search the information necessary is easily found

- One issue that caused a real slowdown in development was the Google Chrome “feature” that does not allow the use of the geolocation services from a window opened from a “file:///C:/Users” type url

getBusy Demo

http://monicaszabo.github.io/Week8GroupProject/

getBusy Future Developments

- Allow the list of events to link to the map markers
- Add directions to the event from your current location
- Add weather API to show expected weather forecast
    - Have a “what to wear” section based on if the event is outdoors/indoors and what the weather is like on the day of the event

WEATHER UNDERGROUND