

## CS591 MEAN Project Assignment 1

We normally don't start a project without some idea of what it is that we want to accomplish. Using the criteria below, come up with an idea for your project and write up a one- or two-paragraph description of what you intend to create. Include your idea and a list of the two APIs that you intend to use.

### Deliverables:

1. A written overview of your idea, including a list of APIs

Here are a few requirements for your application:

1. **It must utilize a database.** A simple way to meet this requirement is to require a user to store profile information in the database. You'll might also use it as a cache.
2. **It must correlate two publicly available data sets via API from the Internet.** Examples might be weather/climate data from NOAA, crime statistics from the FBI, and so on. A great place to get started is [https://apigee.com/providers?apig\\_cc=1](https://apigee.com/providers?apig_cc=1), which is a repository of datasets and APIs, and <https://www.programmableweb.com>. Another good place to search for data is <http://data.gov>. The City of Boston also has data available at [data.cityofboston.gov](http://data.cityofboston.gov). And of course Programmable Web at [www.programmableweb.com](http://www.programmableweb.com) has a great list of APIs. Your application must correlate these two data sets in some way; for example, pull a user's playlist from Spotify and correlate it with a feed that has concert dates to alert the user of bands that they like that are playing nearby.
3. **It must use third-party authentication**, for example logging in with Twitter or Facebook.

Additional constraints may be placed on the project as the course progresses.

Browsing through available APIs can be a good way to spark your imagination. A Google search for 'databases with public API' will give you a nice list in addition to those listed above.