# Community Driven Development
## Tools Supporting Open Source Community Growth

## Introduction

The open source community has had a major impact on the computer science world as it is one of the biggest opportunities to learn about, create, and contribute to software creation. The biggest reason why we decided to undertake this project was to have the opportunity to create tools that will help grow the open source community as it is a great way to give back to a community that helps the field that we are obtaining our undergraduate degrees in.

These tools will be able to present eager developers with an opportunity to find exciting projects and see who are apart/creating these projects.
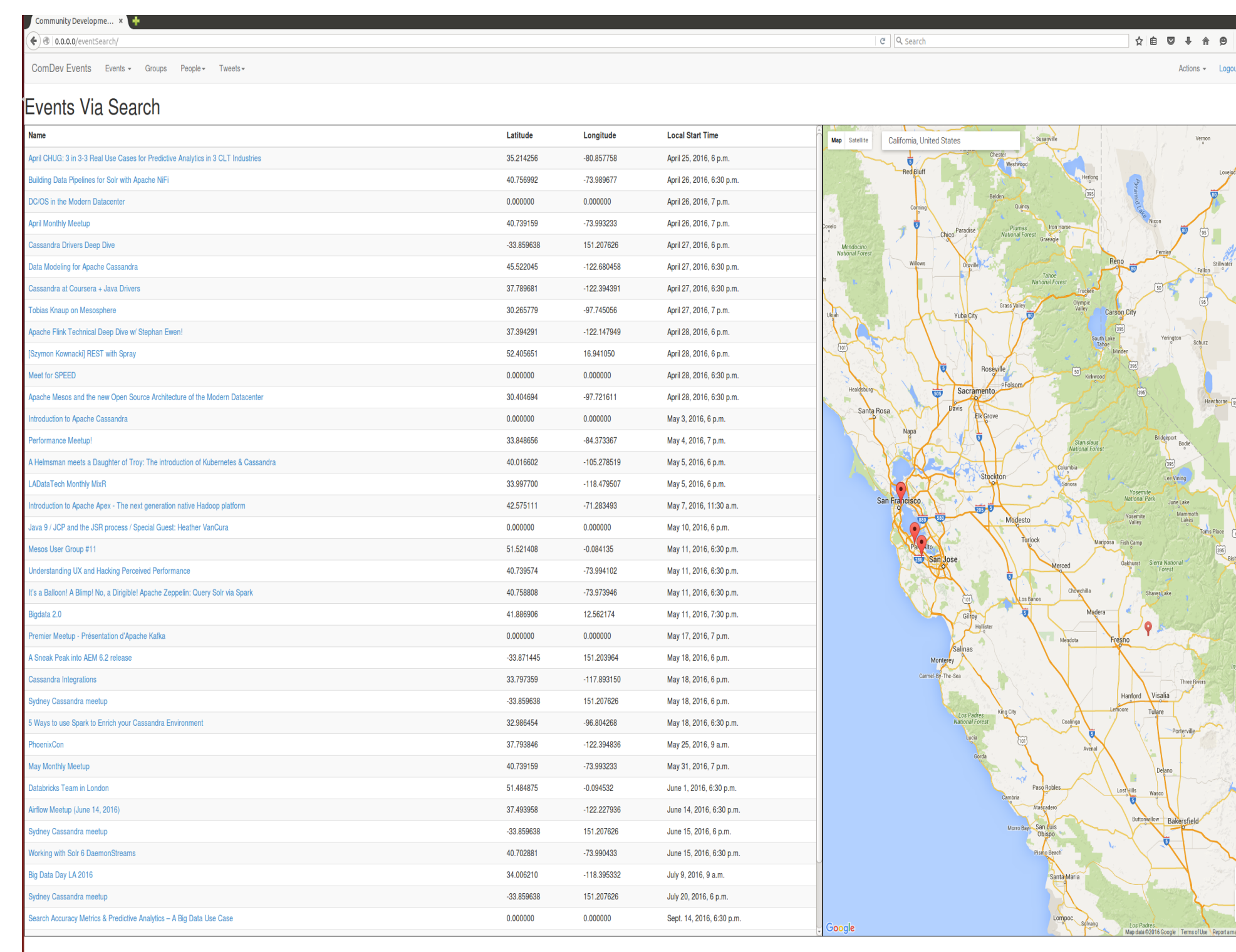
## Background

- A prototype had already been implemented prior to beginning the project.
- Many of the technologies were already decided and implemented in the prototype.
- Our goal of the project was to fix and implement new features to aid collaboration of new/current open source projects



*Front page of project as of November 16, 2015*



## Project Description

The website features many different tools that are used to find events relating to open source projects. These tools also give developers a chance to see leaders/members of events and gives them key information in order to get involved.

- Pulls data from Meetup.com, Twitter, and Google Maps
- Identifies community leaders to people who love to improve a specific project
- Connects various data publically available online to one source
- Provides users enough information to contact and engage with project leaders and assist them with their own unique skills
- Specific Technologies
  - Django
  - HTML
  - JavaScript
  - PostgreSQL

## Features

- List events within a two week period related to Open Source Meetups and community groups
- Gathers information on members hosting events and members within a group
- Visual interface for viewing events by location via Google Maps
- Lists tweets with associated hashtags for Open Source
- Compose tweets directed at certain people or about events

| REQ# | Requirement | Priority |
|------|-------------|----------|
| 1 | Fix the "People" page where the list of community leaders are shown | High |
| 2 | Tweet at a person listed in the database | Low |
| 3 | Add user accounts to the application and have actions be hidden for accounts | Medium |
| 4 | List tweets about events and/or people via the app | Medium |
| 5 | List tweets about events and/or people not via the app | Medium |
| 6 | Export a list of people with information | Low |
| 7 | Improve hashtag searching of application for better results on relevant events | High |
| 8 | Improve the visuals of the tool looks as a whole | High |
| 9 | Implement a system of finding events nearby location entered or within a radius of the user | High |
| 10 | Add feature to generate a profile for community developers to have contacting information easy to view | High |

*Feature implementation priority list*

## Community Driven Dev



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## Improvements and Results

- Added features to improve user interaction in finding and locating events.
- Improved interface where users can register and update important events.
- Gathers information from not only meetup.com, but now Twitter as well.



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