

PROJECT 1: Event Finder

Pd 9 | Safe and Sound | Tina Chen, Edward Luo, Marcus Ng, and Levi Olevsky

PROGRAM COMPONENTS

Search Customization

- Radius (miles)
- Address
- Category (ex: Tech, Finance, etc.)

Google Maps

- Choose location on map
- Only events that match search appear
- If user clicks on event, then display information about the event on a new page

Event Details

- Display information about event (title, description, category)

APIS

- Google Maps
 - Requires API Key
 - Allows user to select a position
 - Display markers
 - Use event coordinates to create a marker for each event
- Meetup.com
 - Requires API Key
 - Events and information

TEMPLATES

Base HTML

- Banner with site name

Map HTML

- Search with filters
 - Radius (miles)
 - Address
 - Category (ex: Tech, Finance, etc.)
- Embedded Google Maps
 - Display markers
 - Your chosen position
 - Nearby events

Event HTML

- Display event information
- Display nearby events

FILES AND FUNCTIONS

app.py

- Instructions for each roots: /map and /event
- show_map() - Embed map in /map route
- show_event_details() - Show details about events in /event

maps.py

- show_map() - Map setup
- change_location() - Change location of user's marker when new position chosen
- display_event(double latitude, double longitude) - Create marker for event at given latitude and longitude
- current_location() - Show events based on current location, returns latitude and longitude

events.py

- find_events(lat, lon, radius) - Return list of events that match filter conditions
- get_event_title() - Returns event title
- get_event_address() - Returns address
- get_event_time() - Returns timestamp
- Get_event_description() - Returns description

ROUTES

/map

/event

SITE MAP

Event Finder

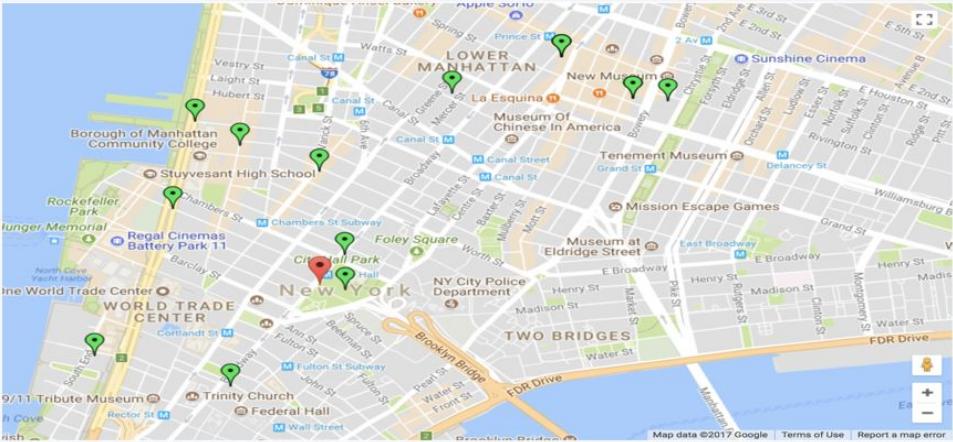
Address (ex: 345 Chambers)

Raidus (ex: 1, 2, 3)

Find Events

Welcome to Event Finder!

Enter an address to find nearby events in a specified raidus. Click an event for more information.



Event Finder

Event Title

Address

Date

Event description Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Back To Map

Nearby Events

- Event 1 (distance to event)
- Event 2 (distance to event)
- Event 3 (distance to event)
- Event 4 (distance to event)
- Event 5 (distance to event)
- Event 6 (distance to event)
- Event 7 (distance to event)
- Event 8 (distance to event)

STRETCH

- Show nearby hotels

TASK ASSIGNMENT

Project Manager, app.py: Marcus

HTML + Bootstrap: Tina

Google Maps API, maps.py: Levi

Meetup API, events.py: Edward