

# Plug Hub API Capstone

## What it does:

Help users locate electric car-charging stations geographically using the NREL API with Google Maps.

## How it works:

1. User opens app and sees a map of their location (if they allow geolocation) or the map of USA in the map View
2. They can enter their address or just zip code and hit search and the map View refreshes with EV Charging Station markers in the default (10 mile) radius.
3. They can also choose to filter the search results by
  - Distance (default 10 mile)
  - Connector Type (default is all)
  - Network (default is all)
  - Charging Level (default is all)

## Nice to Have features (depending on time):

- Users could Plan a Trip by entering a To address and a From address.
- User can list out all stations marked on map, in order of nearest to farthest.
- User can click on a station marked on map and create a route to it from current location.

## Design Details:

1. The Side Navbar (filter view) will be accordion style
2. User filter selections stored
3. Responsive design. Viewport sizes are desktop, tablet and mobile
4. Tooltip on marker will display address of station