Where's a Charger

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Why

- Useful

- Increase in electric cars

- Access to free api's

Features

- Given address find a charging station

- Filter charging stations by type

- Map with charging stations

- Option to add review and picture of charging station

- Find Charging station along trip route

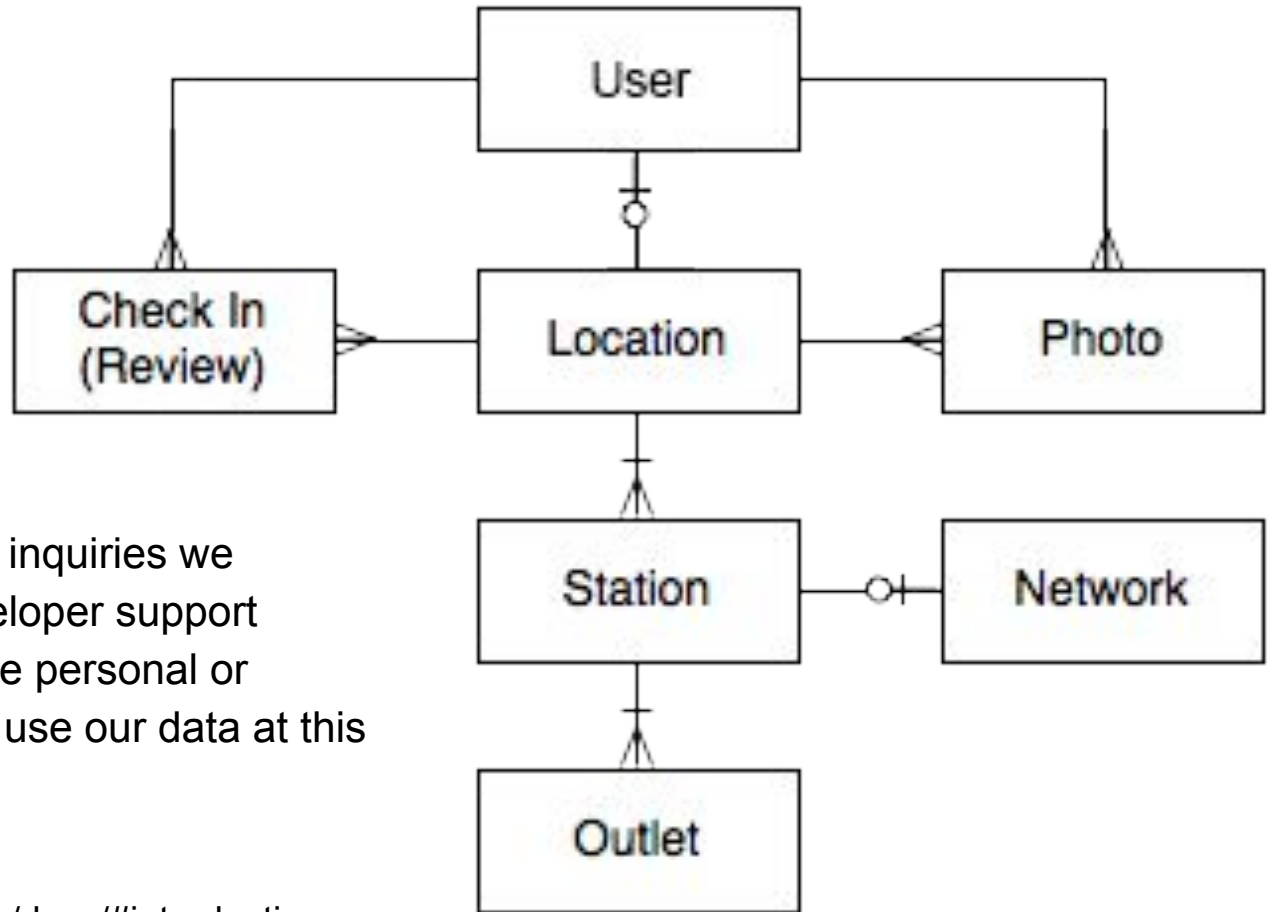 - Specify distance between chargings

Stack

- Bootstrap

- React

- Express

Google API

Map information

- Good functionality and Documentation

- $200 free access ber month

- Cost
  - Static Maps – $2.00 per 1,000 calls
  - Directions – $5.00 per 1,000 calls
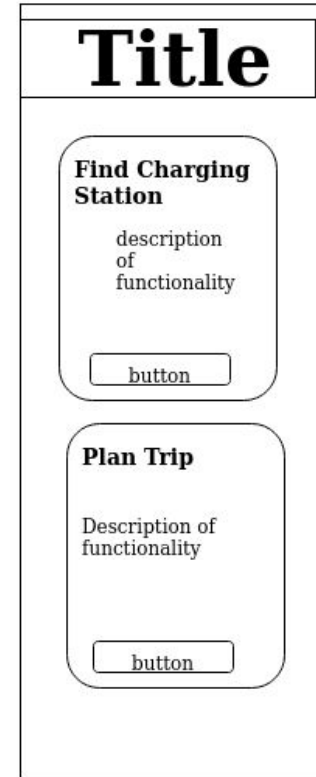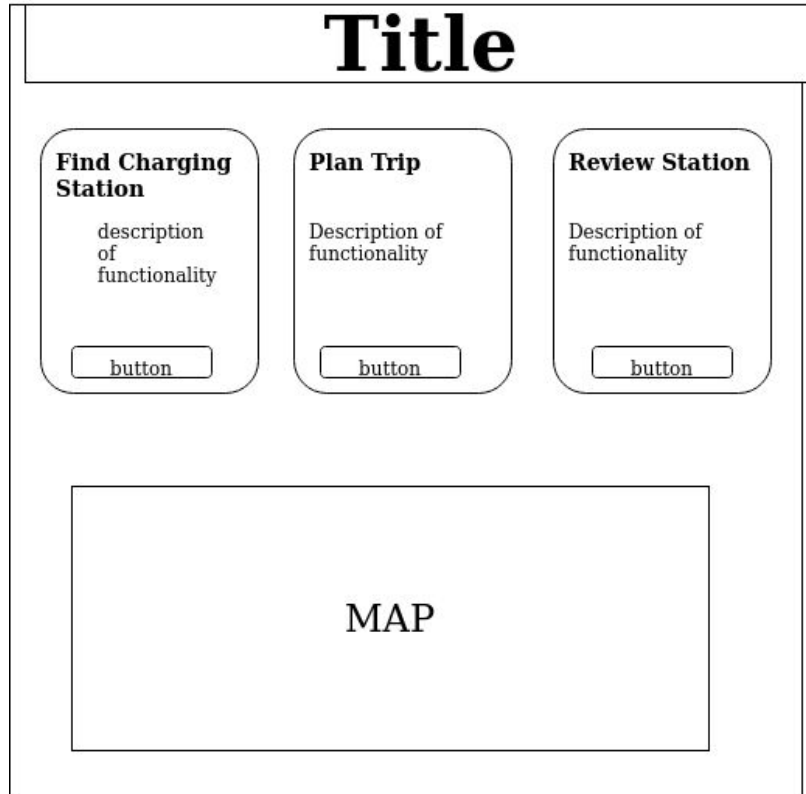 - Basic Places Details – $17.00 per 1,000 calls

PlugShare

"Note: Due to the volume of inquiries we receive and our limited developer support resources, we do not provide personal or non-commercial licenses to use our data at this time."

https://developer.plugshare.com/docs/#introduction

Open Charge API

- Basic API is Free

  - Only required to sign up for unique API Key and not abuse API queries

- Used in many other Applications and Websites

  - List of other applications and websites using their API

- Crowdfunded and Crowdsourced

- Documentation on website

- Seems to have everything we could want

Main Landing Page

Desktop wireframe

Title

Find Charging Station
description of functionality

button

Plan Trip
Description of functionality

button

Review Station
Description of functionality

button

MAP

Mobile wireframe

Title

Find Charging Station
description of functionality

button

Plan Trip
Description of functionality

button

Search Page

Search

Address

Adress 1

City

State

Zip

Charger Type

☐ Option 1
☐ Option 2
☑ Option 3
☐ Option 4

Distance

100 mi

Search

Map the charging stations in the area

Search Results

Location 1 Lorem ipsum dolor sit amet, RATING:	Location 1 Lorem ipsum dolor sit amet, RATING:	Location 1 Lorem ipsum dolor sit amet, RATING:
Location 1 Lorem ipsum dolor sit amet, RATING:	Location 1 Lorem ipsum dolor sit amet, RATING:	Location 1 Lorem ipsum dolor sit amet,

Navbar

Nav

Map of Charging stations in the area

Location 1

Location 2

Location 3