# Parkme Data Management

## **Overview**

This contains code for the management and display of data across the Parkme custom hardware parking monitor and two main display endpoints: 1. **User Client:** custom web client for viewing parking accessablilty 2. **Admin Client:** grafan web client for viewing parking usage data over time, as well as monitoring parking habits

# Admin Data

- 1. Lot popularity
- 2. per hour per lot spot occupancy
- 3. per day per lot avg nof cars at a given time. (whole year)
- 4. current occupancy
- 5. map of most used locations

# Client Data

- 1. Current occupancy
- 2. Open spot locations

### Data Structure

#### Lot

### ParkMe Module

```
1 {
2  "location": gps,
3  "report_ms": int
4 }
```

## Report

## Space