Onward

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Group 4:
Ridwan Khan
Mhammed Alhayek
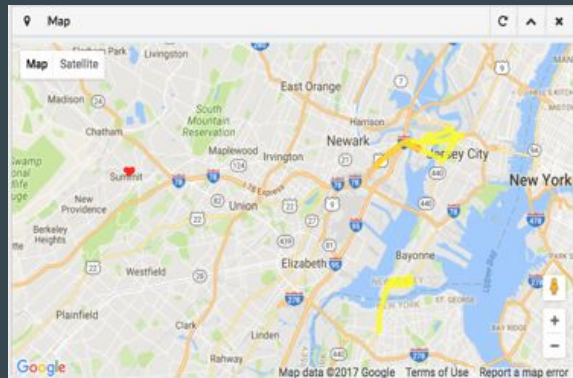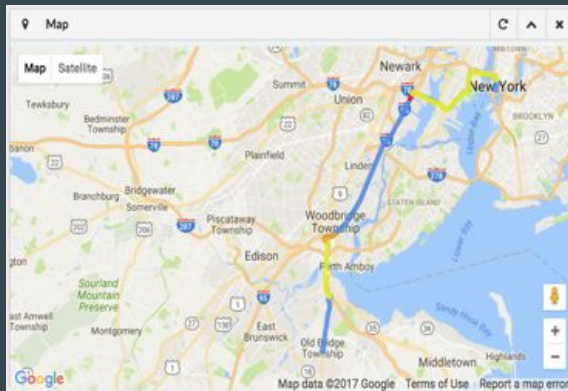Brian Monticello
Sean Olejar
Lauren Williams
Shubhra Paradkar

Motivation

- Lots of live traffic, very little prediction
- Want users to see traffic in an area ahead of time
- Want users to see traffic along route ahead of time
- Effect of weather on traffic
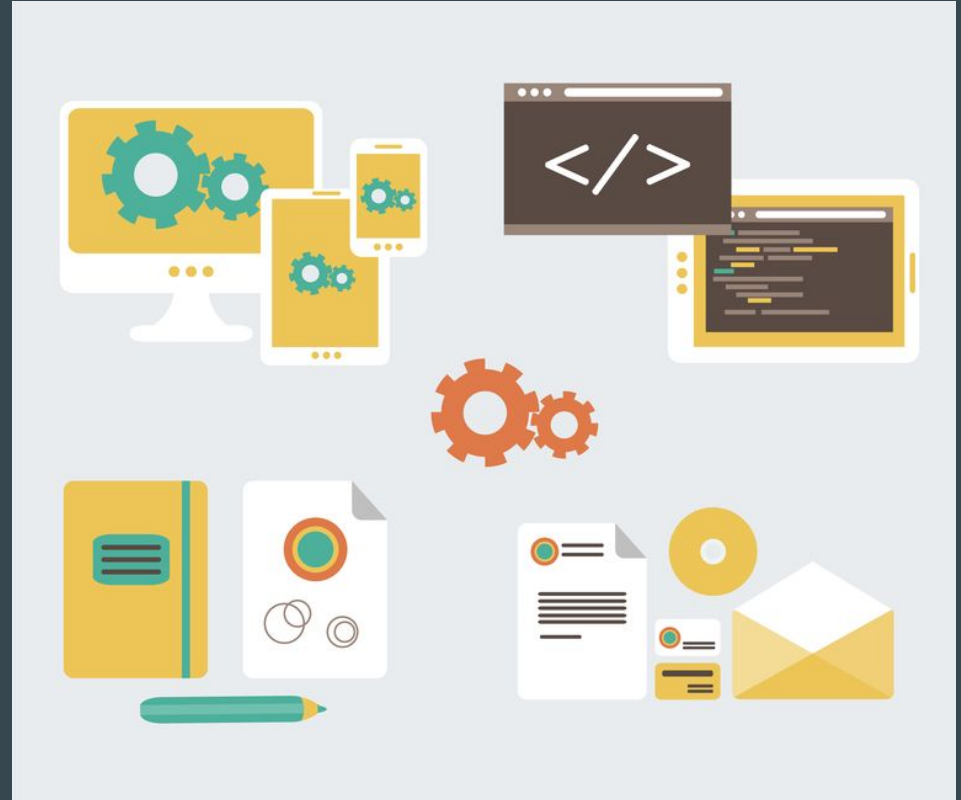- Allow for better planning

Features

- Heatmap
- Route
- Inputs Required:
  - Location
  - Severity Options
  - Date/Time
  - Weather
- Weather Forecast
  - *Forecast* option on each feature

Server Side

- Cronjob handles data collection
- API Calls
  - Google Maps Javascript API
  - Google Geocoding API
  - Weather Underground
  - Bing Maps API
- SQL Database
  - Traffic Table
  - Frequency Table
  - Severity Table
  - Grid Table
  - Bounds Table

Whats Next?

- Gas cost feature
- Analytical graphs for traffic analytics
- Live-updating forms
- Agenda feature