

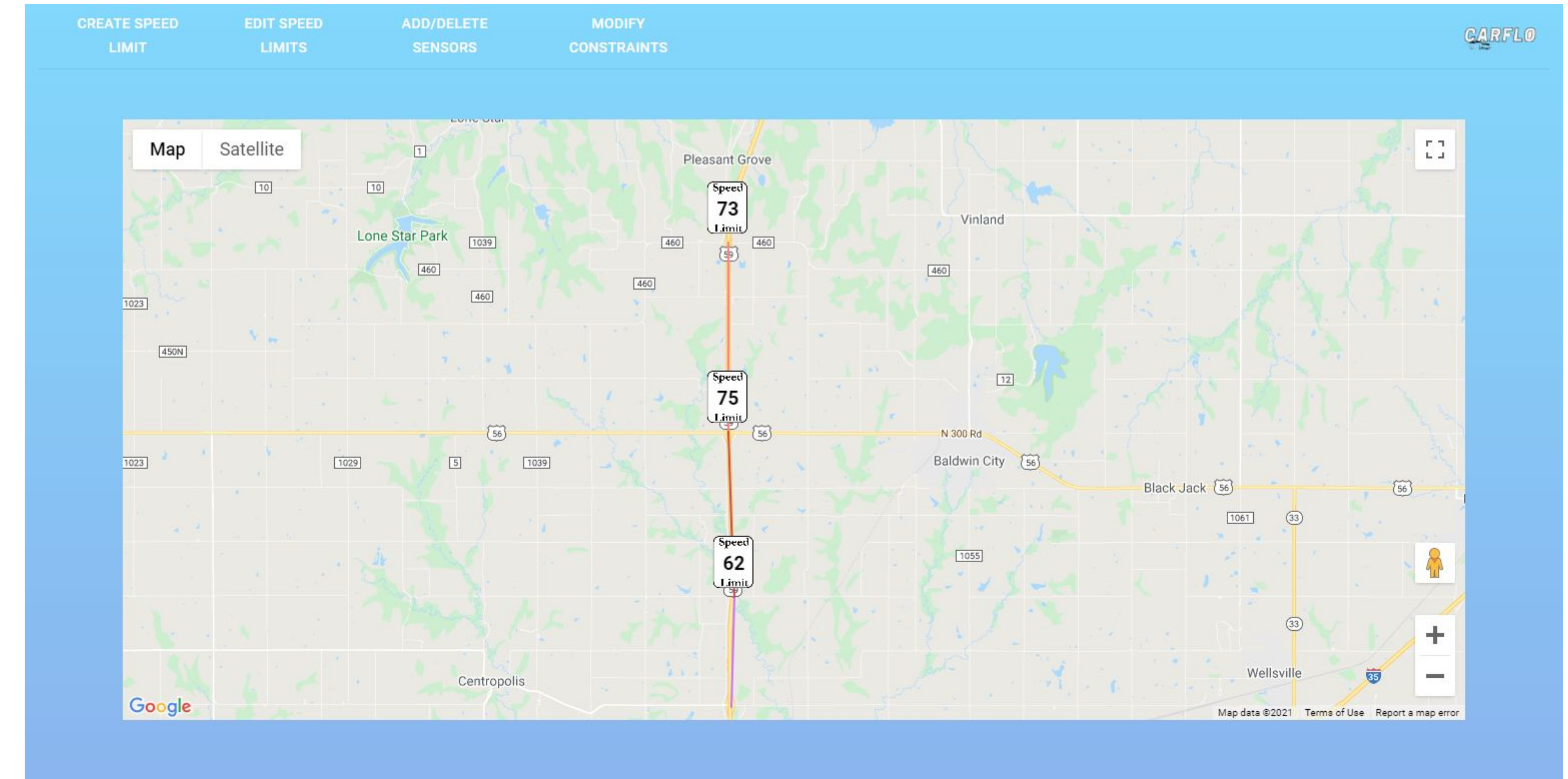


## CarFlo (Team No. 2)

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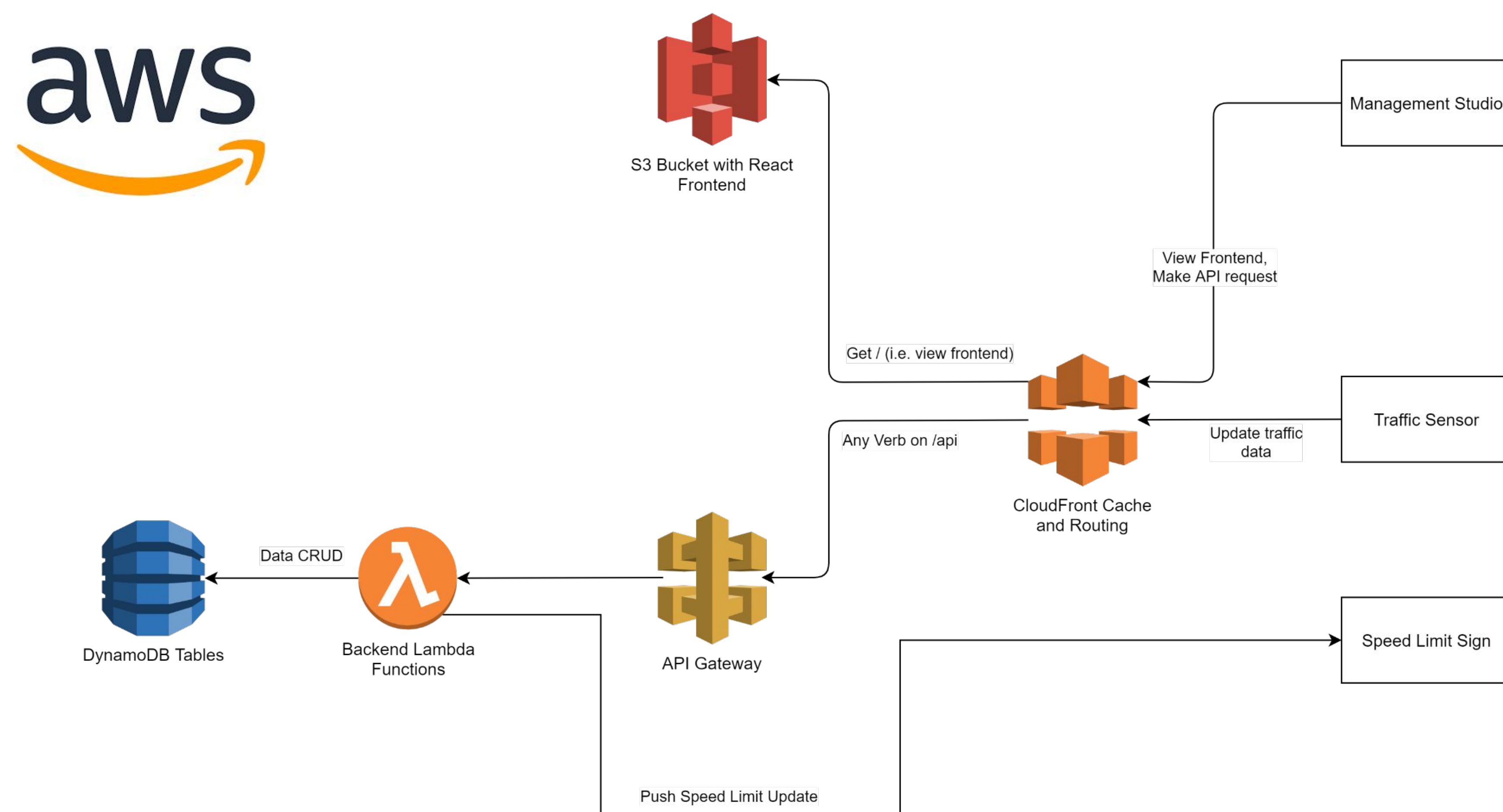
### Description & Purpose

- CarFlo is a traffic management system that decreases congestion by dynamically varying roadway speed limits
- City transportation authorities deploy sensors that track vehicle density on segments of roadway, sending the data to CarFlo
- CarFlo's model adjusts the speed limit to increase traffic throughput, reducing traffic for all drivers



Main view of CarFlo, monitoring speed limits live on a map

### Design



### Ethical & Intellectual Property Issues

- **Public Infrastructure:** Reliability is more important than ever--an outage could result in an accident.
- **Driver Safety:** What's safe for drivers may not be what's optimal for customers. We must ensure driver safety over all else.
- **Model Adaptation:** Use research papers as a reference, not the direct implementation for our product.
- **3rd Party Libraries:** Must be in compliance with our libraries' licenses.