

As college students, we are always looking for ways to save some money and ridesharing seems to be the way we tend to travel as groups if we cannot expense a car. Trying to find the cheapest Uber ride or Lyft ride can be quite cumbersome since we have to navigate between apps and enter our destination address multiple times. We intend to combine Lyft and Uber's API in a single Web application so we can, in real time, check the current rates for both ridesharing apps and see how much your trip would cost.

We intend to use Uber's API to calculate Uber rates, but we will have to create a mock Lyft API using Google Maps API and calculate our own rates as close as possible to Lyft's. Other technologies we intend to use for deployment and hosting on Firebase and a React app written in JavaScript.

Core goals:

- Create mock Lyft API w/ Google Maps API
- Research Lyft's rate calculation
- Host on Firebase
- Learning how Uber's and Google Maps's APIs work

Reach goals:

- Potentially provide a mobile app
- Expand to other services