

## Question

Two additional extensions to think about is how to model a ride from a to b and determine current location of vehicles.

## Answer:

### Determine Current Location

We can determine the current location of our user by adding a location tracking feature in our application. The location tracker feature will fetch the Geolocation of our user. We can make use of Google Geolocation API to get the latitude and longitude of our user. Latitude and Longitude information, previously determined, should be sent in the request to the application.

### Model Ride from A to B

First, we need to determine the current location of our user and later determine the number of cars available within the mile radius constraint from our user location. Later, send the requests to all the cab drivers who are currently within the mile radius constraint. Upon the ride acceptance by our cab driver, we can determine the shortest distance between the source to destination using shortest-path algorithm and navigate accordingly.