Origin,

destination,

start time

price

Driver count, rate, distance, a road, start time

price

Driver count,

Min rate

request

Distance,

A road

Origin,

destination

result

Driver name, password, rate

Surge\_Pricing Microservice

a microservice that calculate a price from given data.

Mapping Microservice

a microservice that get a distance of the route from Google Directions API and get road name.

Start Microservice

a microservice that get a driver info, distance and calculate a price from a rider’s requirements.

Roster Microservice

a microservice that manage a roster (join, change, leave the roster)

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Main API