Design a Ride-Sharing service

Design a real time marketplace like Uber

i.e. consumers requesting rides to get them from point A to point B need to be matched up with drivers available. This problem has commonalities with the problem of designing a messenger service.

Reading Pointers:

- http://highscalability.com/blog/2015/9/14/how-uber-scales-their-real-time-market-platform.html

- https://www.infoq.com/presentations/uber-market-platform

- https://www.infoq.com/br/presentations/scaling-uber-with-nodejs#downloadPdf

[If this problem was done in the class, and in an unlikely event that there is a conflict between what they taught and with what is given here, please follow what the instructor taught]