Data modeling and Databases F18

Assignment #1: Domain Description

Group members:
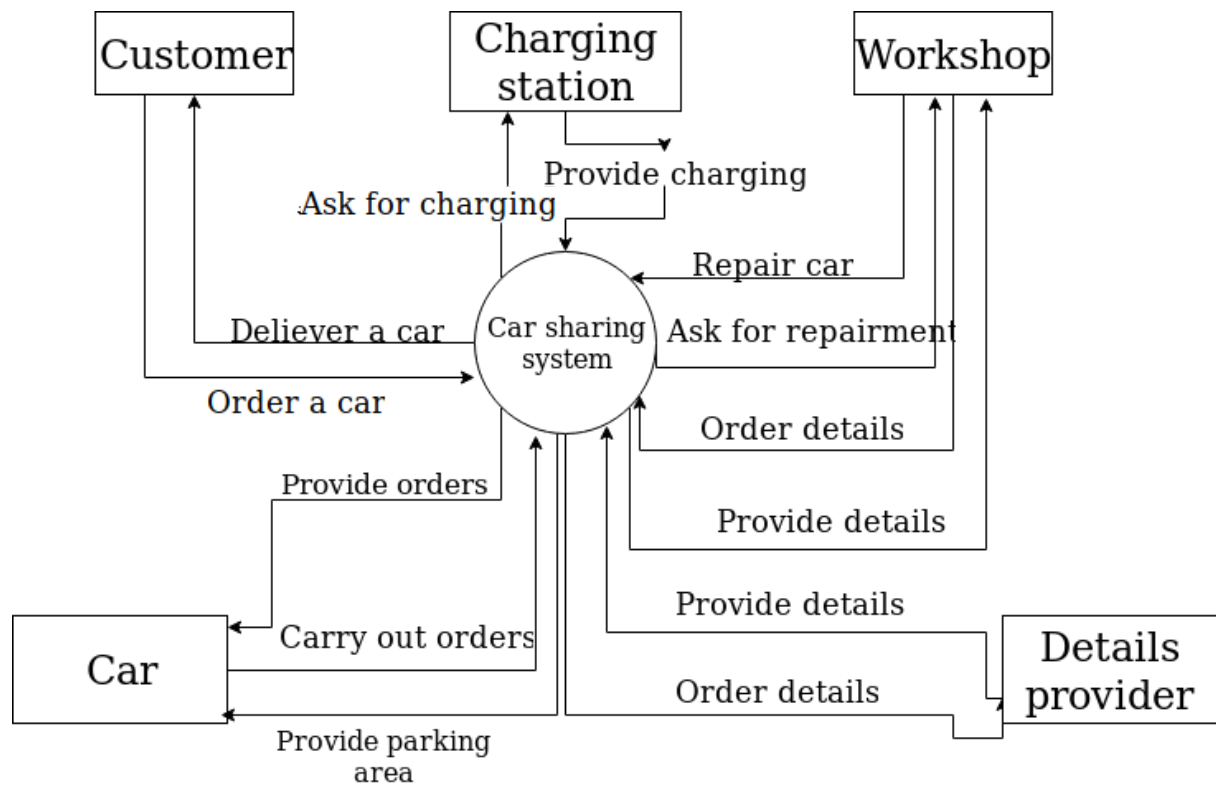
Artem Kozlov

Vaskovskaya Daria

Igor Krasheninnikov

Shall statements:

The system shall provide:

- the ability for customers to order a self-driving car, which will drive them from point A to point B
- the ability for self-driving cars to recharge themselves, by accessing special charging stations (nearest are more preferred)
- the ability for self-driving cars to be repaired, by accessing special workshops (nearest are more preferred)
- the ability for self-driving cars to call a wrecker in case when they cannot move
- the ability for workshop to order necessary details
- details for workshops
- parking area for cars
- charging stations with different sockets
- storing personal data of customers (e.g. Name, Username, Email)
- storing information about cars (e.g. VIN, Model, GPS location)
- storing information about charging stations (e.g. GPS location, Available sockets)
- storing information about workshops (e.g. Available timing, Location, Car parts available)

Context diagram:

Use-case diagram: