Laboratory 03
Carsharing – Part2

Tasks

Exercise 1

Based on the client/server and message protocols implemented in the previous laboratories, implement a complete carsharing solution that mets the following requirements.:

- Car owners can use mobile client to register a car for rental. Backend server will process this request only if the car is available (connection is possible) and is not already registered. (1 point)

- Users who want to rent a car cand use mobile client app to query the available cars from server, start the rental process and end the rental process. Backend server will process this request only if the car is available (connection is possible) and car is not already rented. (1 point)

- During processing startRental or endRental requests, server will also send notification to car that rental process has started/ended. (1 point)

- Car should send a confirmation message that it processed the request successfully or an error message if it rental cannot be started/ended for various reasons. (1 point)

Exercise 2

Present the solution in front of your colleagues.

- Argument your design and implementation decisions   (1 point)

- Present a demo of your solution (1 point)