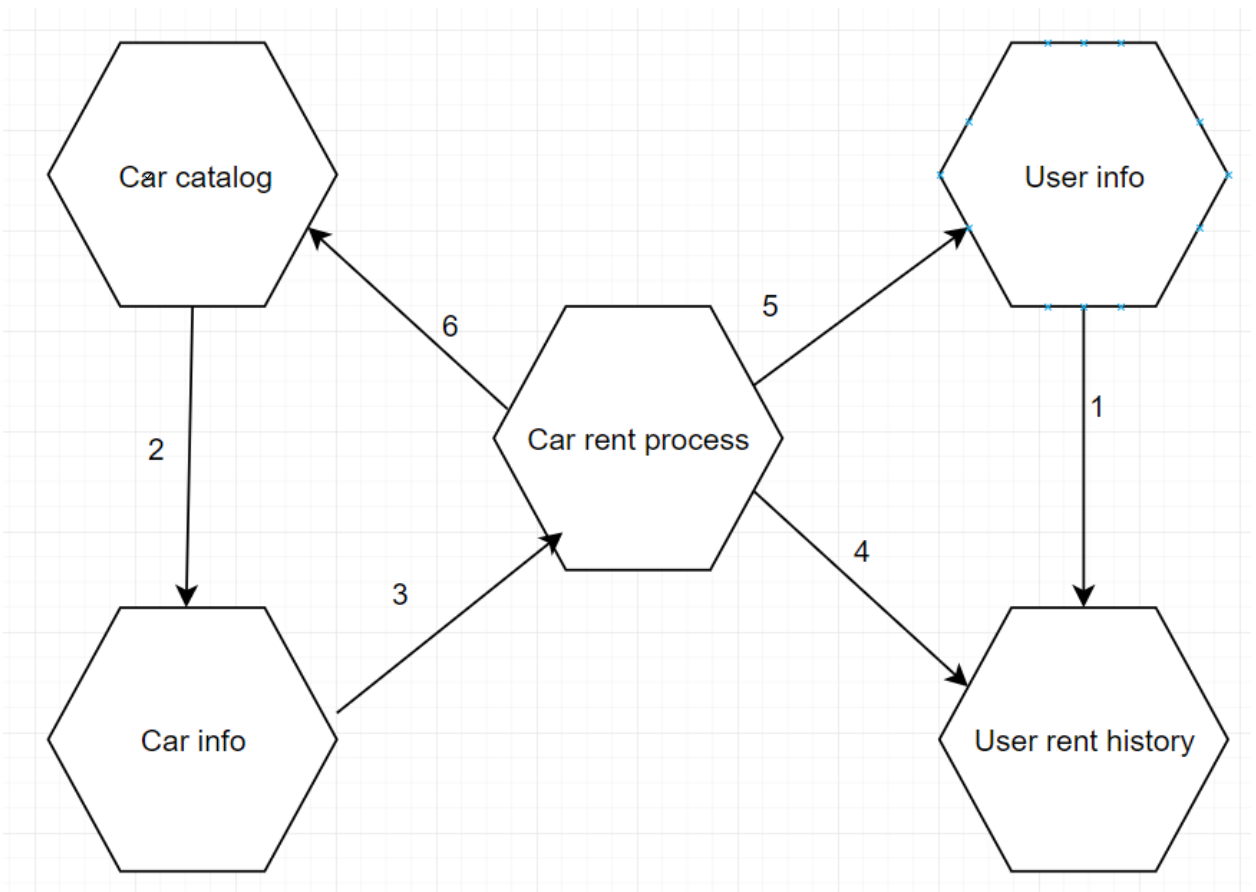Theme: book car rental

Microservices:

1. Car catalog – service that would include info about all cars
   - getAll() – list all cars
   - getById(id) – get info about particular car
   - create() – add new car to the list

2. User information – include info about all registered users
   - getAll() – list all users
   - getById(id) – get info about particular user
   - create() – add new user to the list
   - getHistory(id) –get history of particular user

3. Car detailed information – include detailed info about cars
   - getById(id) – get detailed info about car

4. User rent history – the rental history of particular user
   - getHistoryById(userId) – get info about history of users
   - createHistory(userId, carId) – create record of history

5. Car rent process
   - getAvailableCars() – get cars that is free
   - getCarsByBrand(brand) – get cars by brand
   - assignUserToCar(userId, carId) – book car with id carId to userId

1. User request history of particular user to User rent history microservice
2. Car request detailed info of particular car to Car info microservice
3. Car info request info about available cars to Car rent process microservice
4. After assignment of car and user "Car rent process" request on creation the history to User rent history
5. Car rent process requests list of users in order to assign user to car
6. Car rent process requests list of cars in order to assign user to car