

controller

UserController

-userRepository : UserRepository
+getCurrentUser() : User
+addUser(user : User)
+getAllUser() : List<User>

ReservationController

-reservationRepository : ReservationRepository
-carRepository : CarRepository
+getAllReservations() : List<Reservation>
+getAllReservationsForUser(id : Long) : List<Reservation>
+addReservation(car : Car, user : User, startDate : Timestamp, endDate : Timestamp)
+cancelReservation(id : int)
+findReservationById(id : int) : Reservation
+getAvailableCars(startDate : Timestamp, endDate : Timestamp) : List<Car>

CarController

-carRepository : CarRepository
+getAllCars() : List<Car>
+getCarById(id : int) : Car
+getCarsByCarStationEnum() : List<Car>
+addCar()

repositories

UserRepository

+findByUsername(username : String)
+findByEmail(email : String)

ReservationRepository

+findById(id : int) : Reservation
+removeById(id : int)
+findByuserId(id : Long) : List<Optional<Reservation>

CarRepository

+findCarById(id : int) : Car
+findCarByCarStationEnum(CarStationEnum : String) : List<Car>