

Solution Design for Rental Car System

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1. System Description

This is a rental car booking API service for customers to reserve a car for a period of time.

2. Functions Description

The system has following functions

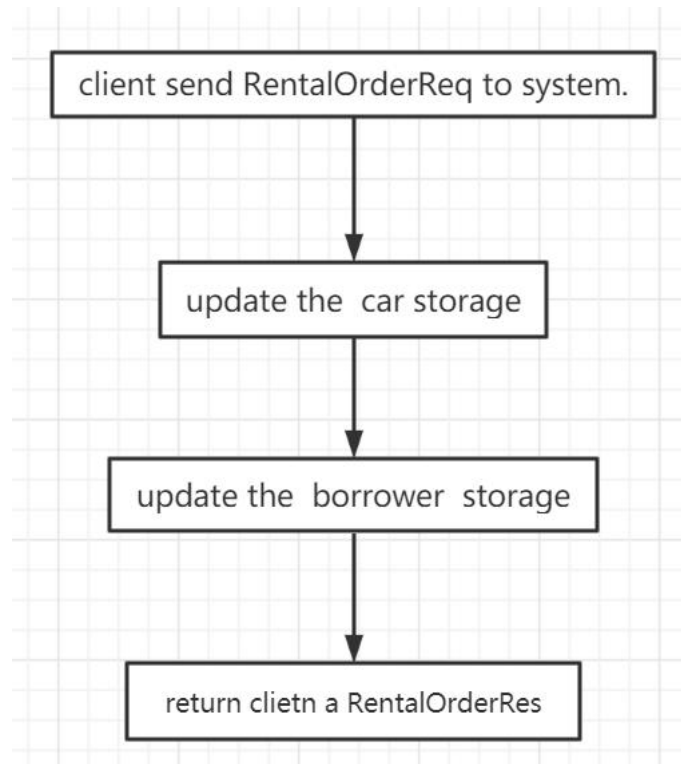
- 1) Rental cars by RentalOrderReq order.
- 2) Back cars by RentalOrderReq order.
- 3) Add inventory to the car.
- 4) View car inventory.

3. DB Design

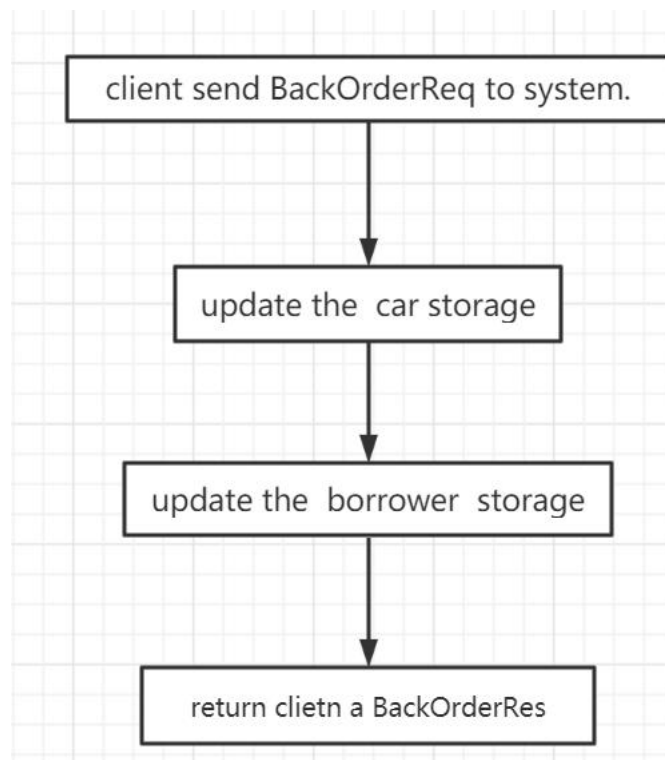
There are two storage systems, the car storage and the borrower storage. The car storage saves the car inventory information. The borrower storage saves the status of lent cars and borrower.

4. Functions Design

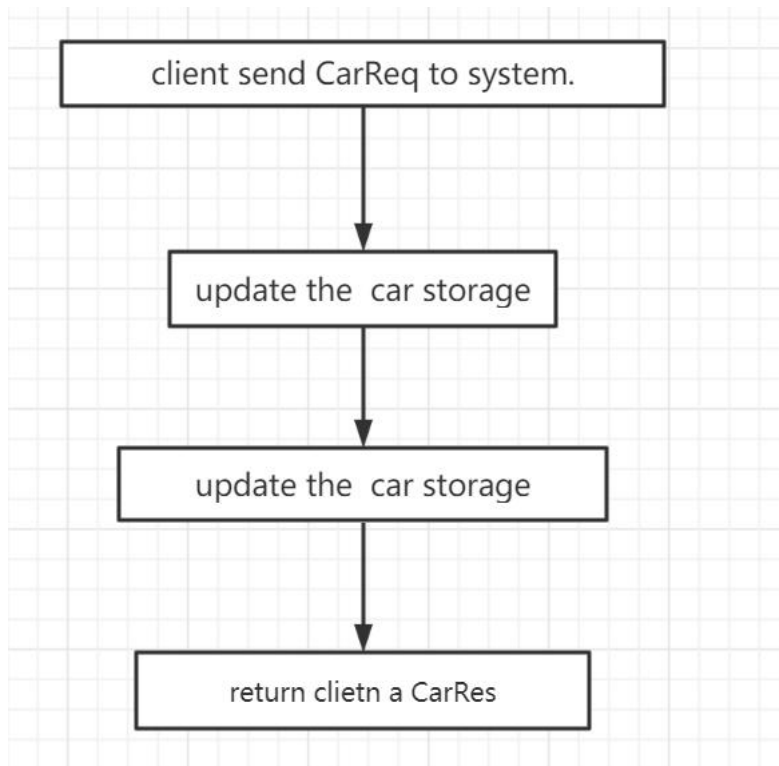
- 1) Rental cars by RentalOrderReq order.



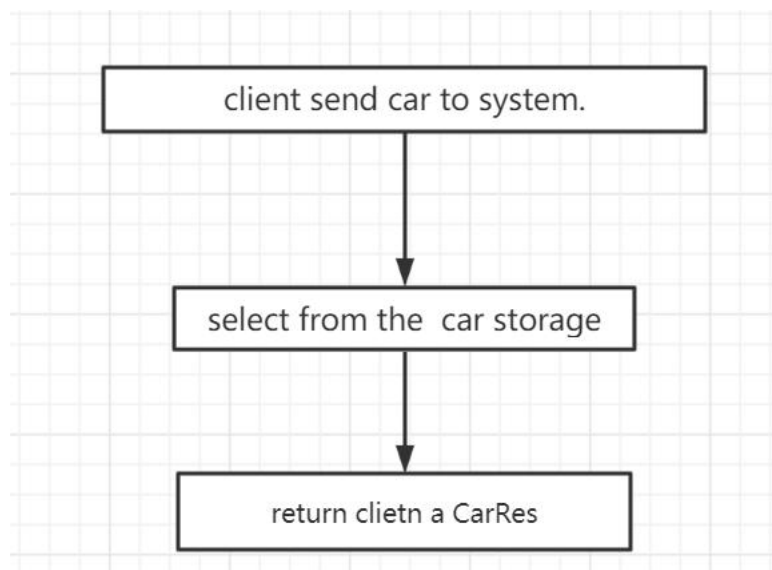
2) Back cars by RentalOrderReq order.



3) Add inventory to the car.



4) View car inventory.



5. DB tables

See the API documentation for details.