**Rent a vehicle**

A client can choose between “Micro” and “Private Car”. Each vehicle has different seating capabilities, price and a name. A client can add air condition and car tools (in case the car breaks down) if he wishes. The *rent a vehicle* has fixed number of vehicles. If all the vehicles are hired, user cannot book one. User will input his seating, air condition and car tools requirement. The system will show him the price for his vehicle. If the user pays it, the system will assign him his vehicle.

Implement this scenario using Factory pattern.