System requirements

**Functional**

1. Both customer and employee should be able to log in to the system.
2. An employee should be able to add a car to the system. While adding a new car, he needs to specify plates number, model, engine capacity, fuel type, number of seats, gearbox, type of a car, number of doors.
3. An employee should be able to remove a car from the system (car cannot be book at that time).
4. An employee should be able to make a reservation.
5. An employee should be able to edit a car.
6. An employee should be able to cancel reservation.
7. An employee should be able to edit reservation.
8. An employee should be able to get a list of all cars.
9. A customer should be able to rent a car (needs to specify ID number, billing information (address), email address, phone number, name, age, how many people will drive the car, picture of their driving license, payment method).
10. A customer should be able to extend renting time.
11. A customer should be able to edit reservation.
12. A customer should be able to create an account.
13. A customer should be able to rent a car. He needs to choose a car, pick up date and time, drop-off date and time, pick up location.
14. A customer should be able to cancel reservation.
15. A customer needs to specify optional equipment (gps, child seats, etc.).

**Non-functional**

1. The system must use three-tier architecture.
2. The system must store persistent data using database.
3. The system must have a GUI.
4. The system must be implemented in Java, C#??
5. The system and the system development process must be documented.

Our database should consist of client data, car data, renting data, employee data