Final laboratory:

Create 2 microservices that are using all Spring Cloud Contracts learned:

1. Eureka
2. API Gateway
3. Config Server
4. Circuit Breaker

USER-SERVICE  
1. User class:  
- id: String  
- firstName: String  
- lastName: String  
- email: String  
- address: String  
- type: String (Car owner/mechanic)  
2. CRUD User:  
- status 200 if ok  
- status 404 if id/user not found (update/delete)  
- status 409 if id/email already exists (create)

APPOINTMENT-SERVICE:  
1. Appointment class:  
- id: String  
- car: Car/String  
- startDate: LocalDateTime  
- endDate: LocalDateTime  
- carOwner: User  
2. AppointmentSummary class:  
- id: String  
- appointment: Appointment  
- mechanic: User  
- comment: String  
- totalCost: Decimal  
3. CRUD Appointment:  
- status 200 if ok  
- status 404 if Appointment id not found (update/delete)  
- status 409 if Appointment startDate is occupied by another Appointment (create)

Feel free to extend the application in any way you want.