Online store

Base restriction

Shop properties
- One store
- Delivery service
- Same building with store ← Office
- No pickup points
- Popular store, population of city more 5mln

Components
- web site
- administration web panel
- mobile application
- backend

roles

Client
- Use web site only
- Manage orders
- Receive notifications

Manager
- Use web admin only, limited rights
- Subtopic 2
- Subtopic 3
- Subtopic 4
- Subtopic 5

Courier
- Use mobile app only. Delivering goods
- Subtopic 2
- Subtopic 3
- Subtopic 4
- Subtopic 5

Architecture diagram

- Front +mobile
- Admin +manager
- Courier +mobile app

→ Load balancer

- Load balancer ←→ Backend site+mobile
- Load balancer ←→ ? ←→ RabbitMQ
- Load balancer ←→ Backend storage

Backend site+mobile:
- → Redis
- → PostgreSQL
- ⊖→ REST|gRPC
- → ELKG
- ←→ RabbitMQ

RabbitMQ:
- ⊖→ MQTT|AMQP|REST

Backend storage:
- ⊖→ REST
- → PostgreSQL
- → MongoDB
- → ELKG
- → Notification service
- ←→ 1C\CRM

1C\CRM ⊖→ REST|?