

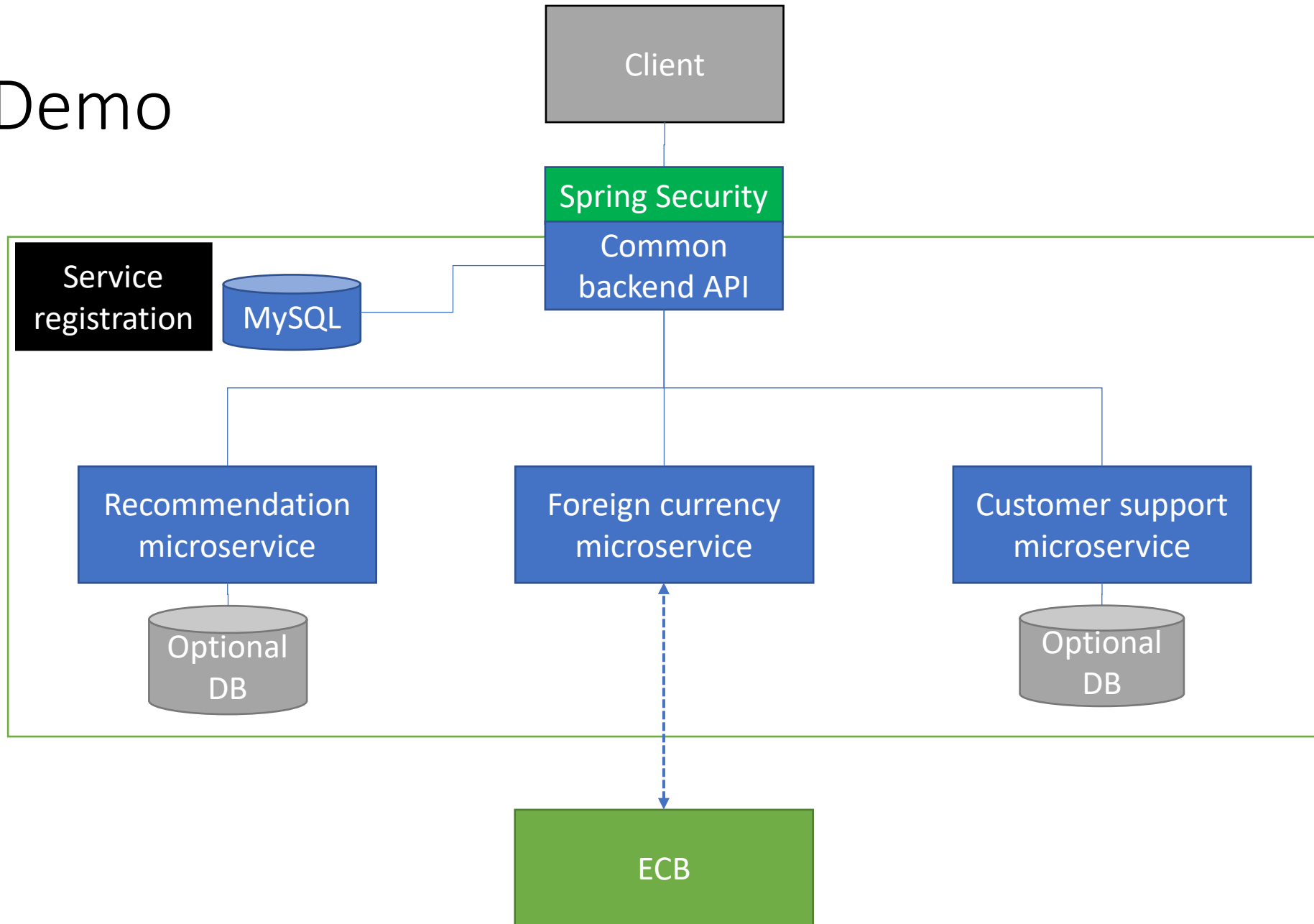
Miniproject

Microservices in Spring

Project description

- A company is planning to move its core business system to a microservice architecture and at the same time add new functionality.
- Existing functionality need to be available for current frontend application to work.
- Additional functionality include a foreign currency service that need to be integrated with core API to provide prices in other currencies.
- Additional functionality also include a recommendation service where customers can add their recommendations for products.
- Additional functionality also include a customer support service where customers can manage their support requests.

Demo



Timeline (suggestion)

- Week 48-50
 - Create all projects (One per microservice/api)
 - Implement base functionality of Core API with underlying data
- Week 50 - Checkpoint (Report to Teacher for review)
 - Core API with security
 - Other projects created
 - Everything in GitLab
- Week 1-2
 - Implement recommendation service
 - Implement customer support service
 - Implement service registration
 - Design Foreign Currency Service
- Week 2 - Checkpoint (Report to Teacher for review)
 - Recommendation service
 - Customer support service
 - Idea for implementation of foreign currency service.
- Week 3-4
 - Implement Design Foreign Currency Service
- Week 4 - Checkpoint (Report to Teacher for final review)
 - Complete system with all major functions.
- Week 5 - Presentation

Available information

- Core business data
 - MySQL 8.0 database dump (Northwind_Database.sql)
 - <https://github.com/devops-course-2019/business-data>
- Core API
 - Prototype project <https://github.com/devops-course-2019/business-data-api>
 - Use to see which endpoints are need to meet old system requirements
- Foreign Currency (ECB)
 - Search online.
 - <https://sdw-wsrest.ecb.europa.eu/help/>
 - Detailed requirements will be available later
- Recommendation service and Customer support service
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