

Test Assignment - Distributed Signup

Overview

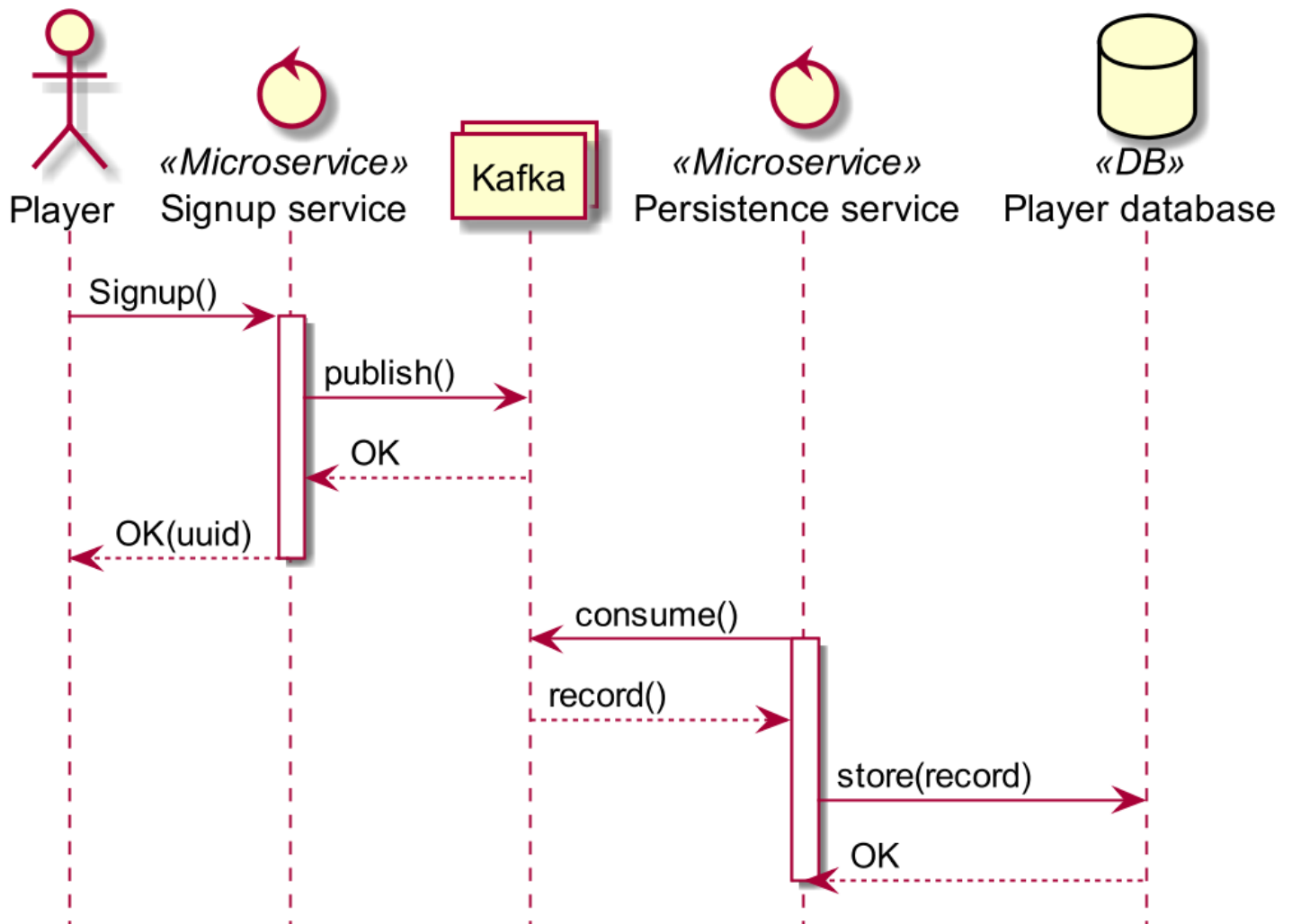
The goal is to design and implement **Distributed Signup** system comprising two services

- Signup service
- Persistence service

System should allow to signup a player and store his data in persistence storage.

Signup service should expose REST API accessible for external consumers. Signup service should publish successful signup to KAFKA.

Persistence service should read KAFKA topic and persist data into persistence storage.



Functional requirements

- In - API call input parameters
- Out - API call output parameters
- OK - indicates successful API call response
- KO - indicates failed API call response

Signup Service API

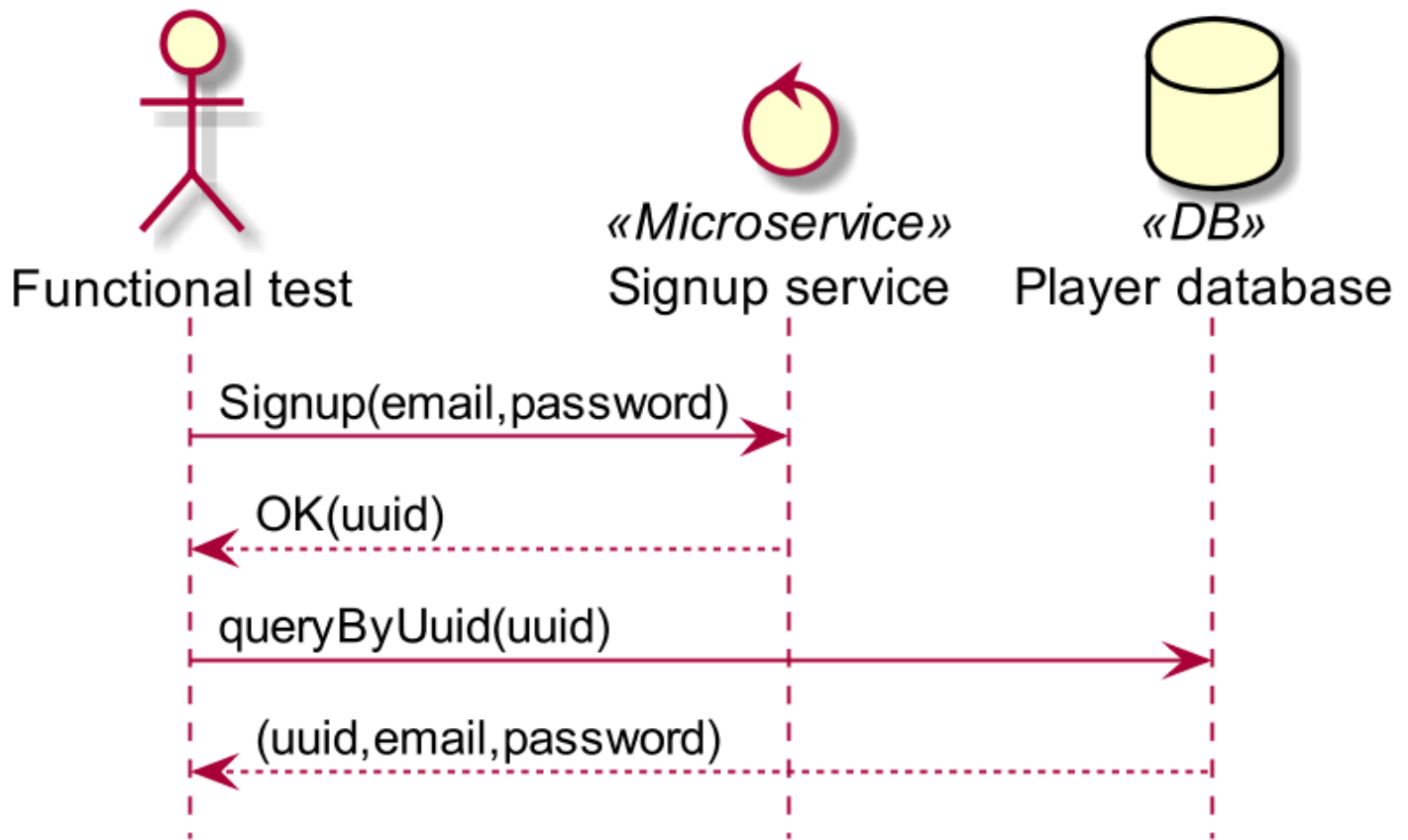
Signup

- In
 - email
 - password
- Out
 - OK(uuid) - request processed, generated uuid returned
 - KO - request failed

Non functional requirements

1. System should be implemented in Scala , if impossible - then Java , Groovy are accepted as well
2. Pick up frameworks or libraries according to your needs
3. Pick up DB engine according to your needs
4. Automated tests for certain services are highly appreciated
5. Services and KAFKA orchestration have to be implemented using Docker

Functional test scenario



Deliverables

1. Source code for services
2. Brief guide how to build services
3. Scripts and guides how to start the entire **Distributed Signup** system
4. Source code for functional test scenario
5. Brief guide how to execute functional test scenario against running **Distributed Signup** system