

Exercise 13 - 04./09.02.2026

No new exercises for this week. Time to catch up, ask questions, prepare for the exam.

Do not hesitate to ask questions or if you want feedback for your coding style.

Please commit and push to GitLab regularly and ensure @cathrin.moeller and my two tutors @pinky-jitendra.tinani and @rahul.patil are invited as a reporter.

Please do not forget to commit your code and push to GitLab!

Theory questions for week 13 to prepare for exam

- 1) **Service design** - What could be a problem why an interface could not be easily designed using REST?
- 2) Why is a CRUD application a good candidate for a RESTful service design?
- 3) In a RESTful application, you cannot persist state on the server. How could you solve this problem if consecutive requests are needed to achieve a complex operation?
- 4) **Service composition** - What is an advantage of designing workflows outside code?
- 5) List the 6 cloud native architecture requirements mentioned in class.
- 6) How do I identify which part of my application could be implemented as an own microservice?
- 7) Name a problem that is caused by enforcing independent automated deployments for a large number of microservices (developed by different teams).