Practice 4. Java Testing. Spring JMS. Kafka. Elasticsearch:

* Set up three separate microservices for your project (15%).
* Make these microservices communicate only through Kafka (no REST) (15%).
* Provide a console-based interface in the main microservice (5%).
* Implement strong business logic in each microservice (15%).
* Use AOP (Aspect-Oriented Programming) for logging in each microservice (10%).
* Show screenshots of logs both from your microservices and from Kafka to prove the communication via Kafka (5%).
* Integrate Elasticsearch to store and search (15%).
* Write JUnit tests with at least 90% coverage (15%).
* Add data validation and error handling (5%).
* Push your project to a new Git branch and share the link (0%).
* Use spring boot 3 and java 17

Optional:

Write 1 integration test using testcontainers