Java Assignment

GOALS

1. Implement a Spring Boot microservice responsible for user management.
2. Implement another Spring Boot microservice responsible for journaling user events.

REQUIREMENTS

User Service

- Include functionalities for user registration, user details retrieval, updating and deleting user information and managing user roles. (You can use any database to store the user details)
- Expose RESTful API endpoints for CRUD operations.
- Integrate Spring Security for role-based authentication.
- Publish user events to a Kafka topic named "user-events" for journaling.

Journal Service

- Consume events from user-events Kafka topic, log a message and record them. (You can use any database to store the journals)
- Implement RESTful API endpoints to retrieve journals.
- Incorporate role-based access control to retrieve journals.

Good to have

- Unit tests
- Integration tests

Documentation

- Create docker compose file to run the entire system.
- Document REST API endpoints.
- Document how to run and test the entire system.