Recommendation service

Background

As the company is rebuilding it's main API it also plans to add a recommendation service to allow the company to collect customers opinions on their products and share such information with other customers.

Requirements

Functional requirements

The system has as main functionality to store, process and retrieve recommendations related to products.

Recommendation

The recommendation has a unique id and an id for the object the recommendation concerns. Furthermore, the recommendation has a rating (integer value 1-10), a text comment of maximum (1000 characters) and a reference to the one creating the recommendation (text that could be an e-mail address).

Endpoints

The service should provide the following endpoints:

- Get all recommendations
  GET /api/v1/recommendations
- Get all recommendations for a product
  GET /api/v1/recommendations/productId
- Create a recommendation for a product
  POST /api/v1/recommendation
- Delete all recommendation for a product
  DELETE /api/v1/recommendation/productId

Important to follow the pattern for the endpoint since they are used by oter services that expect these endpoints.

Technical requirements

Use either a MySQL or a MongoDB database. Other suggestions can be discussed with the product owner. Use best practices for building the software project.

Security

The service will only be used inside the hosting environment and the decision has been made to run the service without any authentication.

VCS and build

The source should be version controlled with git and hosted in GitLab. A build process should be setup to build the maven project and then the docker image. Implement a first minimal test setup in the project.