

# Project Proposal – Stellar Service

## 1. Introduction

Local small business companies have shown interest to sell sustainable eco product on Internet. The existing Internet operations offer unique opportunity to market, sell and deliver such product to environmentally conscious customer. Stockmann strives to achieve profitable business operations with a long-term view by acting ethically and responsibly in matters related to people, the economy, society and the environment. The core values are reflected with focus on customer, act with courage and work together. Our practical work is also guided by numerous voluntary commitments and initiatives as well as our own policies and principles.

## 2. Project goals

The goal is to provide simple intelligent service for small business to provide local good and services on our existing Internet operations. The project should deliver small business registration, product information management and availability management service through service interface.

## 3. Technologies

Headless event-driven architecture on cloud such as AWS Event Bridge or Apache Kafka.

Technologies used ActiveMQ, JSON, REST, OSGi, Spark, Cassandra and, Elastic Search and OPC but team can propose own technology with good argumentation.

Team should focus on using opensource technologies.

## 4. Requirements for the students

Computer Science, Software Engineering or Information Systems studies with business solution programming and technology interests.

## 5. Legal Issues

The client gets all IPRs to the results.

The client will not share any confidential information with the students.

## 6. Client

Stockmann, established in 1862, is a Finnish listed company engaged in the retail trade. It has approximately 45 000 shareholders and about 5 800 employees. The Group's revenue in 2021 was EUR 899.0 million.

Stockmann Group's operating structure is divided in two divisions – Stockmann and Lindex.

Mika Helenius will represent customer and be the main contact during projects life cycle with extensive experience on real business SW projects, empirical software engineering and project-based learning in education. He will be available to support team in sprint planning and prioritization.

Team should use Confluence documenting and Jira for managing the project. The development will be done on cloud environment provided by client. Client doesn't provide other devices or software for the team.

Client representative:

Business solution owner

Mika Helenius

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## **7. Additional information**

Team will be given briefing to international omnichannel digital business developments and other theme related general topics supporting learning in student software projects.