

## Sievo Project Proposal – Contract data collector

### 1 INTRODUCTION

Sievo's contract management solution provides its customers a secure cloud-based platform for storing and managing supplier contracts. With the solution, procurement professionals get value out of contracts throughout the contract lifecycle by tracking contract coverage, finding preferred suppliers and getting notified of important events of the contracts. Sievo's contract management has end users all over the world in big global companies such as ISS and Schindler.

Efficient management of contract meta-data is the key for unlocking the value of the contracts. This, however, is a challenge as companies sit with thousands of contracts, that each consist of multiple documents that vary in format. Even grasping simple details might be very time consuming as you need to browse through pages of different documents, and it just makes you wonder if AI could do it for you. This is where you step in.

We are already using Azure's search capabilities and cognitive services for an in-document search in contract management. Now we want your help in expanding the use of Azure for extracting contract metadata from documents and based on this prepopulating contract information when new contracts are added to the system.

### 2 PROJECT GOALS

The goal of this project is to

- Develop an application that uses Azure cognitive search for extracting relevant predefined data points from contract documents by searching through the document contents. Relevant data points include for example supplier name, signed parties, important dates, payment terms and clauses of the contract.
- Building a simple UI for new contract creation and workflow for validating prepopulated information

Project scope and focus can be adjusted based on team's skills and interests.

Result of this project will have a tremendous value for the users as automatic population of contract data will smoothen the contract creation process and reduce the risk of human errors. It is an often requested feature by our customers, and also one of our future development concepts.

### 3 TECHNOLOGIES

If students have a strong passion towards a certain technology, we are open for suggestions, but to ensure the best support during the project, the following technologies are preferred

- Azure, search, cognitive services & AI enrichment
- React
- C#
- Micro-service architecture

## 4 REQUIREMENTS FOR THE STUDENTS

We are looking for a team who is not afraid for taking the challenge to build a solution for the presented problem. We don't require previous experience from the used technologies, but in order to succeed in this project, we hope that you are

- Eager to learn new things
- Striving for a valuable and exciting outcome, even if the scope has to be adjusted on the way
- A team that works well together
- Interested in working with Azure and AI

The topic is from moderate to demanding in difficulty, but the scope can be adjusted to fit the teams' skills and interests.

## 5 LEGAL ISSUES

**Intellectual Property Rights (IPR):** The client gets all IPRs to the results.

**Confidentiality:** The client will share some confidential information with the students.

## 6 CLIENT

### **Short introduction of the client organization**

Sievo is a long-time participant in the Aalto software project course, so we know how give students a valuable and fun learning experience. With an office in downtown Helsinki, the working culture is young and multicultural with all the perks you would expect from a Great Place to Work award winner like pool table, games, beer, fruit, cool colleagues etc. Many of the software project students have gone on to get a summer job at Sievo. Sievo is one of the world's leading companies in making procurement analytics software. In other words, Sievo helps customers understand what they spend their money on. Sievo customers are mostly huge companies that can't keep track of what they spend their money on. With Sievo, they know 😊

### **Who are the representatives of the client and what is their level of expertise in the project domain and technologies? How much time are they prepared to spend guiding the team?**

You will be supported by the top developers and designers at Sievo. The Product Owner will be your main contact joining the sprint planning and helping when needed. They will bring in software engineers, front end specialists and designers from all around the company to support your work.

### **Does the client offer the team any resources such as a working room, a cloud server, computers/other necessary devices, software?**

Sievo will ensure you have access to all the programs and cloud services you decide to use for the project. We expect you to have an own computer, but it can also be provided if needed. Currently Sievo is in a mixed remote / onsite working mode. If the corona situation allows you will have a dedicated room for the sprint planning day at the office. You will also receive a lunch voucher for that day.

**Client representative(s)**

- Product Owner
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