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# M813-18E

# Project Synopsis – LLamasoft / Appify Project.

## Synopsis

LLamasoft, Inc. is a software and services company headquartered in Ann Arbor Michigan, and offer products and services to help customers optimize their supply chains (Wikipedia, 2018). One such product (called SCP for this purpose), is a Low-code platform for authoring and deploying Planning Applications in the supply chain space. The aim is to enable bespoke, yet managed solutions to the multitude of supply chain planning problems which companies struggle with today. The complete set of Optimization technologies which LLamasoft makes use of, is available in this platform.

SCP is a Web based product, mostly developed in .NET and Typescript. Initially released in July 2017, it is deployed as a multi-tenanted hosted instance, but also has on premise installation capabilities. There is a drive towards a Micro-Services architecture within the organization, and a service prototyped or written in Java would therefore fit into the stack.

A new desired feature of this platform (named Appify) would be the automatic creation of such low-code applications by using at Clients’ existing databases as a primary input. It is believed that the schema of a well-designed relational database, as well as patterns in the data stored in a database holds valuable information about a logical design of a basic data maintenance application that would make sense. It is this knowledge which the organization wants to unlock to enable quicker enablement for customers.

The concept is new, and one would have to research different heuristics that one could apply towards coming up with a basic data maintenance application but doing so in an automated fashion using only a customer’s existing Supply Chain Planning database as input. It is because of this reason, that it is believed this project is ideally suited towards prototyping and development in a research-based environment and was therefore put forward as a candidate for use in M813.

## References

1. Wikipedia (2018) LLamasoft [Online], 2 February 2018. Available at <https://en.wikipedia.org/wiki/LLamasoft> (Accessed 07 April 2018)