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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. They offer a variety of products and services to help customers optimize their supply chains (Wikipedia, 2018). One such product, called Planning by Design, provides a Low-code platform for developing 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 solution is underpinned by a set of Optimization technologies which is shared across the LLamasoft suite of products.

Planning by Design is a Web based product, mostly developed in .NET and Typescript which was 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 regarding a logical design of a basic data maintenance application that would make sense.

The concept is fairly new, and research would have to be done in terms of the type of 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. It is because of this reason, that it is believed this project is ideally suited towards initial prototyping and development in a research-based environment and was there 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)