Assignment of master's thesis

Title:	Log Server Analytics
Student:	Bc. Daniil Fedotov
Supervisor:	doc. Ing. Tomáš Vitvar, Ph.D.
Study program:	Informatics
Branch / specialization:	Web and Software Engineering, specialization Web Engineering
Department:	Department of Software Engineering
Validity:	until the end of summer semester 2021/2022

Instructions

The goal of the master thesis is to develop methods for analysis of server logs to understand information provided by large logs generated by servers during runtime. Follow the below guidelines.

1. Analyze the current state of art in log analytics and understand various approaches that are currently available on the market.
2. Describe underlying methods or algorithms you will use to develop log analytics.
2. Describe architecture of an environment with servers where log analytics will be performed.
3. Develop and implement at least two methods for log analytics and describe related log analytics processes.
4. Perform tests on large server logs and evaluate results generated by your methods.