Assignment of bachelor's thesis

Title:	Scala library for constructing statically typed PostgreSQL queries
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Study program:	Informatics
Branch / specialization:	Web and Software Engineering, specialization Software Engineering
Department:	Department of Software Engineering
Validity:	until the end of summer semester 2022/2023

Instructions

- Get familiar with the implementation of query parser in PostgreSQL
- Do a research of the existing libraries used to construct SQL queries in Scala programming language.
Examine their pros and cons and see how your solution could fit into the existing library ecosystem.
- Design and implement a library which would attempt to support construction and composition of
statically typed PostgreSQL queries in Scala programming language.
- To test the library create a unit test suite, as well as implement an example application using the
library.
- Make sure that your library is available in a form of a public repository with a working CI pipeline,
contribution guidelines, etc.
- Discuss your results.