Hasso Plattner Institute

Chair for Data Engineering Systems

Proposal Bachelor/Master Thesis

My Thesis' Title

John Doe

Time frame: January 2020 - July 2020

Supervisor

Prof. Dr. Tilmann Rabl

Advisor

Name of Advisor

Second Advisor (if there is one)

1 Motivation

Description of the scientific context (including the classification in the literature, projects, ...) and of the concrete embedding.

2 Goal of Thesis

Description of the concrete problems addressed as the goals of the thesis, planned/expected results, reference to other thesis, paper, etc., if any.

3 Approach

Methodological and conceptual approach of the thesis and ideas/plans of implementation.

4 Related Work

Description of related work in literature or other projects (theses, master projects, etc.).

5 Project Plan

Sketch of a time line for the thesis with major milestones, e.g.

Time	Writing/Research	Prototype
Apr - May	– Windowing – Stream slicing – Aggregate sharing	– Get Scotty up and running – First concept of distributed windows – Distributive aggregate functions (e.g. `count`)
May - Sep	– Distributed slices – Distributed sharing – Processing semantics	– Different window types – Aggregate sharing – Algebraic and holistic functions (e.g. average, median)
Aug - Oct	– Evaluation	– Implement alternatives

Table 1: Planned Time Table

References