**Database paradigms**

Research plan

# 1. Context

In this document I will research the topic of database paradigms. I will investigate into the different database paradigms and make comparison between them. The purpose of this document is to contain information about my research on this topic.

# 2. Goal

The goal of this research is to get a better understanding of the different types of databases, their advantages, and disadvantages, as well as which one would be the most suitable for building an E-commerce website for my individual project.

# 3. Research questions and methods

I will be using the DOT framework to help structure my research. I have defined a main research question which summarizes the goal of my research, and a few sub-questions. When all the sub-questions are answered, the main one will be answered as well.

## Main research question:

* What is the best database choice for an e-commerce website?
* **Literature study**

By performing literature study, I should be able to acquire some general knowledge of the design choices people in a similar situation make regarding database selection.

## Sub-questions:

* What are the different database paradigms?
* **Available product analysis**

It is important to get to know the difference between all the paradigms before making a choice. After this step, I should be left with a list of options to choose a database from.

* What advantages do each of the database types offer?
  + **Community research**

The next step would be to investigate the advantages and disadvantages of each database paradigm. To achieve this, a useful source of information would be people who have already tackled the problem by using different types of databases.