Designing Sustainable Agriculture Databases: Relational and Document-Based Approaches

Josh Le Grice - 720017170

1 Introduction

Introduce the need for this database and why it is helpful for agricultural businesses.

2 Database Design

Define the tables needed. - Farm - Crops - Soils - Resources - Sustainability Initiatives
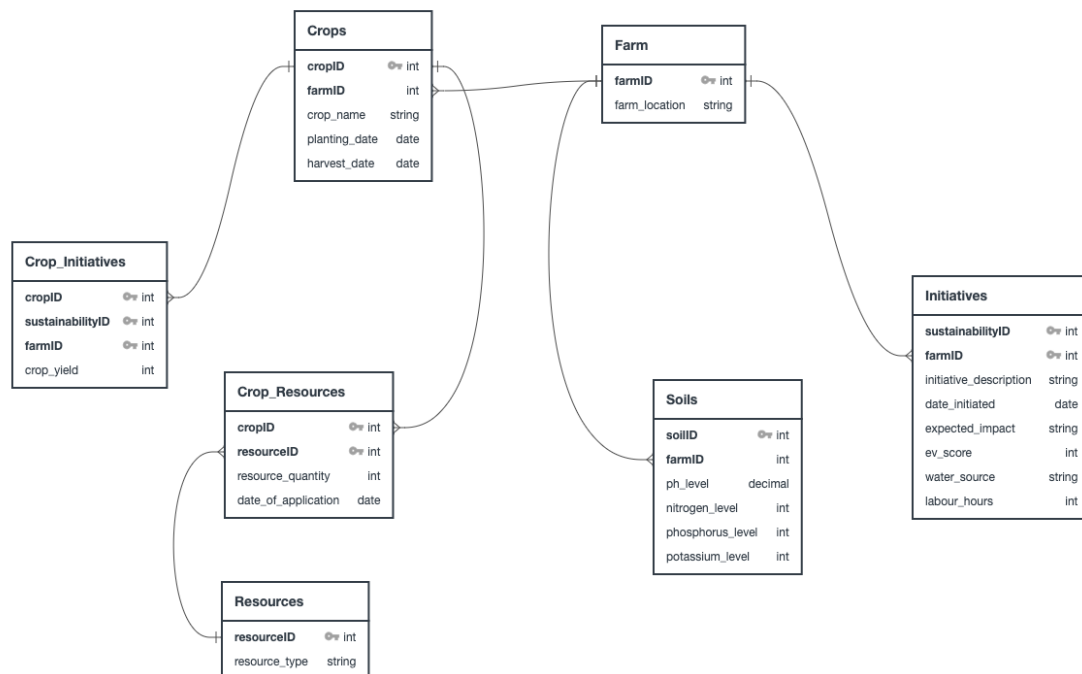

Figure 1: Entity Relationship Diagram of the Agriculture Database

3 SQL Implementation

Talk about how it is implemented in SQL

4 RESTful API Design

How the API is created, the commands needed and what tehy will get Also, include link to the working app

5 Document Based Design Implmentation

Evaluate the limitaions of the Relational design and propose the document based approach using mongodb, could implement if have time.

6 Conclusions

Summarise key takeways