

SENECA COLLEGE OF APPLIED ARTS AND TECHNOLOGY
School of Software Design & Data Science Introduction to
Database Systems

DBS211

Group Project

Milestone 3 – Database Design (5%)

Farming Database

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Database function summary and changes

The function of the designed database focuses on understanding the environmental parameters linked to performance declines and, consequently, to the profits generated by farmers. Individual farmers and farmer associations can use this tool to discern trends and patterns.

Previously, in the database proposal, the inclusion of livestock farmers and machinery and equipment was considered. However, because this would entail adding a series of tables unrelated to the main function of the database, it was decided to remove them so that the database could operate more harmoniously and cohesively.

We also corrected the location table's columns heading from "province" and "territory" to "provinceOrTerritory" and "districtOrCity" for better performance and data correction. And, for growingZone and species tables, we change the "chillHours" and "requiredChillHours" columns precision from (4,2) to (4) for data inclusion accuracy.