CPSC 304 Project Cover Page

Milestone #: __3__

Date: __09-03-2024__

Group Number: __45__

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

1.A brief (~2-3 sentences) summary of your project.

The project is based on the database management of an agricultural firm. The model can be used by agricultural companies for farm and farmer management, crop production and crop distribution.

2.Timeline and task breakdown/assignment:

Project Description - This task includes adding the README file and adding the summary of the project.

Relational Schema set up - This task includes to write the relational schema for each table with identifying its primary key, foreign key and constraints.

Create Class for each table - The task involves writing the queries for all the tables in the final relational schema.

SQL Script - This task is to write all the DDL statements needed. Since we already have most of the DDL statements from milestone 2 and above tasks we would mainly focus on adding DROP table statements and assertions (if needed).

Final Schema Review - This will be a group meeting to review the final relational schema before we start working on other tasks.

Queries - UPDATE, Selection, Join, Aggregation with Having,INSERT, Projection, Aggregation with Group By, DELETE, Division, Nested Aggregation - We have divided the different queries (as mentioned in the table below) and will be working in pairs so that each group member has a chance to work on different type of query. Each pair will be responsible to come up with the query provided, write the code implementation of the query and provide a screenshot of the results of the query. We have decided to work in pairs so that the task could be completed with discussions.

GUI Queries - The pair working on the query will also be responsible for the GUI implementation of that query (as mentioned in the table below). Each implementation of the query will make sure that basic security practices are followed for sanitization of the project and error handling is included. User friendliness will also be taken into consideration while writing the implementation.

Debugging - If the code implementation of some task is stuck or is incomplete before the assigned date, then the team will try to fix it together.

Final Review - In this task, all the group members would go through the final working of the whole project so that there are no errors left and would also review each other's task.

The table below assigns each of the above tasks to the group members along with the deadline to finish each task. We have equally distributed the work among each group member.

TASK	DEADLINE	ASSIGNMENT
Project Description	14th March 2024	Pranjali
Relational Schema set up	14th March 2024	Sara
Create Class for each table	14th March 2024	Chen
SQL Script	15th March 2024	Chen, Pranjali
Final Schema Review	16th March 2024	Chen, Pranjali, Sara
Queries - UPDATE, Selection, Join, Aggregation with Having	26th March 2024	Chen, Pranjali
GUI- UPDATE, Selection, Join, Aggregation with Having	31st March 2024	Chen, Pranjali
Queries - INSERT, Projection, Aggregation with Group By	26th March 2024	Chen, Sara
GUI - INSERT, Projection, Aggregation with Group By	31st March 2024	Chen, Sara
Queries - DELETE, Division, Nested Aggregation	26th March 2024	Sara, Pranjali
GUI - DELETE, Division, Nested Aggregation	31st March 2024	Sara, Pranjali
Debugging	2nd April 2024	Chen, Pranjali, Sara
Final Review	2nd April 2024	Chen, Pranjali, Sara