

University of the Philippines Los Banos
College of Arts and Sciences
Institute of Computer Science
CMSC 127 - File Processing and Database Systems
2nd Semester AY 2023-2024
Project Specifications

Introduction

This document contains the details of the project requirement of the course which is relayed to you through the laboratory. There is an effort to address a lot of your concerns here hence we encourage you to read the document first before asking any questions.

Project detail

Description: This information system will allow us to record, in electronic form, data on food reviews and food items from food establishments.

Task: Given the description and the details below, come up with a flexible and realistic database design, and a good implementation, in any chosen PL with RDBMS limited to MySQL, MariaDB, or PostgreSQL, by the team, in order to create the project.

Features:

1. Add, update, and delete a food review (on a food establishment or a food item);
2. Add, delete, search, and update a food establishment;
3. Add, delete, search, and update a food item.

Reports to be generated:

1. View all food establishments;
2. View all food reviews for an establishment or a food item;
3. View all food items from an establishment;
4. View all food items from an establishment that belong to a food type {meat | veg | etc.};
5. View all reviews made within a month for an establishment or a food item;
6. View all establishments with a high average rating (rating ≥ 4). (ratings from 1-5; highest is 5);
7. View all food items from an establishment arranged according to price;
8. Search food items from any establishment based on a given price range and/or food type.

Some reminders:

1. Take note of the deadlines set by your respective instructors. Things to take note of:
 - a. Submission of ERD
 - b. Revision of ERD
 - c. ERD to Relational Tables
 - d. List of SQL Queries and other Database objects (whenever applicable)
2. Safety first! Whenever you do your project outside the campus and during the evening and/or on weekends, always consider your and your groupmates' safety as well as the safety of

your belongings. Make sure that the number of UP Police Force, and other agencies concerning security are within reach.

3. Do research. A project haphazardly done can easily be spotted. A very good project is a product of a lot of research and an incredible amount of effort.
4. Make sure that you know your tasks and do finish them early.
5. Consult your instructor if there are things that you do not understand.
6. Relax, enjoy, and learn from the experience.

Milestone	Deadline
ERD	Week of Relational Tables
Relational Tables	Week of SQL 2
SQL	Week of TCL
Application	<u>May 27, 2024 8 AM</u>

Note that each milestone has an evaluation component.

Presentation week is from May 27 to May 31.

Technology Stack: RDBMS (MySQL, MariaDB, or PostgreSQL) + any PL taught in CMSC 12, 21, 22, or 100