

DATA 300 - Data Management

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Final Project Information

Project Submission Due Date - Dec 19, 2025

Project Presentation Days - Dec 22 (Monday) , Dec 23 (Tuesday) (Details schedule TBA)

Project Group Size - 3 students per group

Project Grading Criteria

Planning & Requirements — 10 pts

- **Project Scope:** problem statement, stakeholders, objectives, success criteria.
- **Functional requirements & use cases:** user stories, main flows

Data Modeling — 15 pts

- **Conceptual model / ERD :** clear entities, attributes, relationships, cardinalities, assumptions noted. (At least four relations must be used)

Schema & Integrity — 15 pts

- **DDL quality:** proper data types, naming conventions, primary/foreign keys, defaults, generated columns where useful.
- **Constraints & integrity** NOT NULL, UNIQUE, CHECKs, referential actions (ON DELETE/UPDATE), domain correctness.

Project Grading Criteria

SQL Functionality — 20 pts

- **Core queries:** CRUD, multi-table joins, GROUP BY/HAVING, filters; correctness & readability.

PRESENTATION — 20 pts

- Clear presentation, Equal contributions among team members
- Use of visual aids
- Covering main system requirements within presentation time
- 20 minutes (12 minutes presentation + 8 minutes Q &A)

TEAMWORK - 10pts

- All member can answer the questions from instructor and classmates
- All member understand the project technically

Working Prototype - 10 pts (Consider about it later)

Submission Materials

- Report (include all queries in the report)
- Github (Prototype)

Group Assignment

Group 1- YMH, KNL, NMS

Group 2 - ZMT, TST, TRT

Group 3 - Mi (ANT), MMT, Peter

Group 4 - Abdu, MTH, EPSW

Group 5 - KTTH, YYLK, HEWL

Group 6- KRZK, Marsha, MPT