Course Registration System

Group Members

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Project Description

The **Course Registration System** is a database-driven application designed to manage the process of course selection in a university environment.
In this system, students can register for courses offered by instructors, and the system maintains records of all enrollments. Each course is assigned to an instructor who is responsible for managing the class.

The main entities in the system are **Student**, **Instructor**, **Course**, and **Enrollment**. The *Enrollment* table represents the many-to-many relationship between students and courses. Through this system, users will be able to:

- Add, update, or delete student, instructor, and course information
- Manage student course registrations
- Retrieve various reports, such as a list of students enrolled in each course or the total number of courses per student

The project will be implemented using **[MySQL / SQLite / PostgreSQL]** as the database management system and **[Python / Java / C#]** for the application interface. The primary focus will be on database structure, relationships, and SQL query implementation.

References

1. Database System Concepts, 7th Edition – Silberschatz, Korth, Sudarshan
2. W3Schools SQL Tutorial: https://www.w3schools.com/sql/
3. PostgreSQL Documentation: https://www.postgresql.org/docs/
4. Sample university dataset from Kaggle. https://www.kaggle.com/datasets