Learning Entity-Relationship Diagrams (ERD) in My LMS Project!
I'm excited to share the next step in my journey of understanding database design through
Entity-Relationship Diagrams (ERD) as part of my Learning Management System (LMS) project.

Key Entities in the LMS ERD:

1. User

Attributes: User_ID (PK), Name, Email, Role (Student, Instructor, Admin), Password

2. Course

Attributes: Course_ID (PK), Course_Name, Description, Duration, Start_Date, End_Date

3. Enrollment

Attributes: Enrollment_ID (PK), User_ID (FK), Course_ID (FK), Enrollment_Date, Status

4. Module

Attributes: Module_ID (PK), Course_ID (FK), Module_Name, Module_Content

5. Assignment

Attributes: Assignment_ID (PK), Course_ID (FK), Assignment_Title, Assignment_Description, Due_Date

6. Submission

Attributes: Submission_ID (PK), Assignment_ID (FK), User_ID (FK), Submission_Date, Grade

7. Discussion Forum

Attributes: Forum_ID (PK), Course_ID (FK), Forum_Title, Created_Date

8. Forum Post

Attributes: Post_ID (PK), Forum_ID (FK), User_ID (FK), Post_Content, Post_Date

9. Ouiz

Attributes: Quiz_ID (PK), Course_ID (FK), Quiz_Title, Total_Marks

10. Quiz Attempt

Attributes: Attempt_ID (PK), Quiz_ID (FK), User_ID (FK), Attempt_Date, Marks_Obtained

Relationships:

- A User can enroll in multiple Courses.
- A Course can have multiple Modules, Assignments, Quizzes, and Discussion_Forums.
- A Student can submit multiple Submissions for different Assignments.
- A User can make multiple Forum_Posts in a Discussion_Forum.
- A Student can attempt multiple Quizzes for a Course.

