Learning Management System(LMS)

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Project Description:

A Learning Management System (LMS) web project is a comprehensive platform designed to facilitate **online education** by providing a centralized space for students and instructors. The key features of the website include:

User Authentication and Profiles:

- Students and instructors can create accounts and log in securely.
- User profiles store personal information, username, and other information.

Course Enrollment:

- Instructors can create and launch courses, specifying details such as title, description, and duration.
- Students can browse available courses, view details, and enroll in desired courses.

Content Management:

- Instructors can upload and manage course content, including lecture videos, documents, and quizzes.
- Content can be organized into modules or lessons for structured learning.

Discussion Forums:

- Each course has a dedicated discussion forum(Real Time) where students can interact, ask questions, and discuss topics.
- Instructors can participate in discussions to provide guidance.

Notifications:

- Automated email notifications on course enrollment, course updates, and announcements.

Database Schema:

Student
- UserID (Primary Key)
- UserName
- Password
- Email

Instructor
- UserID (Primary Key)
- UserName
- Password
- Email

Course
- CourseID (Primary Key)
- Title
- Description
- InstructorID (Foreign Key referencing Instructor.UserID)

Enrollment
- EnrollmentID (Primary Key)
- CourseID (Foreign Key referencing Course.CourseID)
- StudentID (Foreign Key referencing Student.UserID)

Module
- ModuleID (Primary Key)
- CourseID (Foreign Key referencing Course.CourseID)
- Title
- Description

Content
- ContentID (Primary Key)
- ModuleID (Foreign Key referencing Module.ModuleID)
- Title
- Type (Video/Document)
- FileURL

Quiz
- QuizID (Primary Key)

- ModuleID (Foreign Key referencing Module.ModuleID)
- Title

Question
- QuestionID (Primary Key)
- QuizID (Foreign Key referencing Quiz.QuizID)
- Text
- Answer

Discussion

- DiscussionID (Primary Key)
- CourseID (Foreign Key referencing Course.CourseID)
- Title

Message

- MessageID (Primary Key)
- DiscussionID (Foreign Key referencing Discussion.DiscussionID)
- SenderID (Foreign Key referencing UserID)
- Text
- Timestamp