The project is a Learning Management System (LMS) developed using Java Spring Boot. It is designed to facilitate the management of courses, assessments, notifications, and user interactions in an educational environment.

***Core Functionalities:***

**Course Management:**

1. Administrators can create and manage courses.
2. Courses consist of lessons and are managed through the *CourseController*.

**User Management:**

1. The system supports multiple user roles: Admin, Instructor, Student.
2. Each role has specific permissions and responsibilities, handled by respective services and controllers.

**Assessment Management:**

1. Supports creating and managing assignments, quizzes, and grading.
2. Managed via *AssessmentController*.

**Notification System:**

1. Sends notifications related to courses and assessments.
2. Managed by the *NotificationController*.

**Performance Tracking:**

1. Tracks student performance and course progress.
2. Managed by the *PerformanceController*.