

Corporate Training LMS

Main Models

1. **User**
 - Manages all employees, instructors, and admins.
2. **Role**
 - Defines different access levels (Admin, Instructor, Employee).
3. **Course**
 - Stores course details like title, description, and content.
4. **Module**
 - Represents individual sections or lessons within a course.
5. **Quiz**
 - Stores quiz questions and answers for course assessments.
6. **Assignment**
 - Tracks submitted assignments and grading information.
7. **Certificate**
 - Manages certificates awarded to employees after course completion.
8. **Enrollment**
 - Tracks which users are enrolled in which courses.
9. **Progress**
 - Records users' progress within courses and modules.
10. **Feedback/Survey**
 - Collects feedback from users about courses.
11. **Department/Group**
 - Organizes users into departments or teams.
12. **Report**
 - Stores data for generating progress, completion, and compliance reports.
13. **Notification**
 - Manages notifications sent to users (email, SMS, etc.).
14. **Content**
 - Manages multimedia content like videos, documents, and links used in courses.
15. **Forum/Discussion**
 - Supports discussion forums or community features for user interaction.
16. **Integration**
 - Manages integrations with external systems like HR systems or SSO.

1. User

Description: Manages all users (employees, instructors, admins).

Features and Responsibilities

1. **Role-Based Access Control (RBAC):** Admins can define roles like Admin, Instructor, Manager, and Employee, with varying permissions and access.
 2. **Single Sign-On (SSO):** Seamless integration with corporate identity systems like LDAP, Active Directory, or Google Workspace for authentication.
 3. **Employee Grouping:** Organize employees by department, team, location, or job role for easier management and reporting.
 4. **User Profiles:** Detailed profiles for employees with their skills, completed certifications, and training history.
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2. Role

Description: Defines different access levels within the LMS.

Features and Responsibilities

1. **Role Creation**
 - **Performed by: Admin** (creates new roles).
 2. **Role Assignment**
 - **Performed by: Admin** (assigns roles to users).
 3. **Role Management**
 - **Performed by: Admin** (manages permissions for each role).
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3. Course

Description: Manages the core elements of courses in the LMS.

Features and Responsibilities

1. **Course Creation**
 - **Performed by: Instructor** (creates the course), **Admin** (reviews and approves).
2. **Course Enrollment**
 - **Performed by: User** (self-enrolls or is enrolled by Admin), **Admin** (manages enrollments).
3. **Course Content Management**
 - **Performed by: Instructor** (adds and updates content), **Admin** (ensures content quality).
4. **Course Scheduling**

- **Performed by: Instructor** (sets course timelines), **Admin** (manages overall schedule).
 - 5. **Course Certification**
 - **Performed by: Instructor** (defines certification criteria), **Admin** (issues certificates).
 - 6. **Course Feedback**
 - **Performed by: User** (provides feedback), **Instructor** (reviews feedback for improvements), **Admin** (monitors overall feedback trends).
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4. Module

Description: Represents individual sections or lessons within a course.

Features and Responsibilities

1. **Module Creation**
 - **Performed by: Instructor** (creates and organizes modules).
 2. **Module Management**
 - **Performed by: Instructor** (updates and maintains content), **Admin** (monitors compliance).
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5. Quiz

Description: Handles quizzes and assessments for courses.

Features and Responsibilities

1. **Quiz Creation**
 - **Performed by: Instructor** (creates quizzes), **Admin** (reviews structure).
 2. **Quiz Assignment**
 - **Performed by: Instructor** (assigns quizzes to courses or users).
 3. **Quiz Grading**
 - **Performed by: System** (auto-grades objective questions), **Instructor** (grades subjective answers).
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6. Assignment

Description: Manages user assignments and their submissions.

Features and Responsibilities

1. **Assignment Creation**
 - **Performed by: Instructor** (creates and assigns).

2. Assignment Submission

- **Performed by:** **User** (uploads submission), **Instructor** (reviews and grades).
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7. Certificate

Description: Manages the issuing of completion certificates.

Features and Responsibilities

1. Certificate Creation

- **Performed by:** **Admin** (defines template), **Instructor** (sets completion criteria).

2. Certificate Issuance

- **Performed by:** **System** (auto-generates on completion), **Admin** (reviews and manages issuance).
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8. Enrollment

Description: Tracks which users are enrolled in which courses.

Features and Responsibilities

1. Enrollment Management

- **Performed by:** **Admin** (manages enrollments), **User** (self-enrolls if allowed).

2. Course Access

- **Performed by:** **User** (accesses enrolled courses).
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9. Progress

Description: Records and tracks user progress in courses.

Features and Responsibilities

1. Progress Tracking

- **Performed by:** **System** (tracks automatically as users complete modules).

2. Progress Reporting

- **Performed by:** **Admin** (views user progress reports), **User** (views own progress).
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10. Feedback/Survey

Description: Collects feedback from users about courses.

Features and Responsibilities

1. **Feedback Collection**
 - **Performed by: System** (automatically gathers after course completion).
 2. **Survey Creation**
 - **Performed by: Instructor** (creates surveys), **Admin** (reviews).
 3. **Feedback Review**
 - **Performed by: Instructor** (reviews feedback for improvements), **Admin** (monitors trends).
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11. Department/Group

Description: Organizes users into departments or groups.

Features and Responsibilities

1. **Group Creation**
 - **Performed by: Admin** (sets up departments or groups).
 2. **User Grouping**
 - **Performed by: Admin** (assigns users to groups).
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12. Report

Description: Provides detailed reporting on user activity, progress, and compliance.

Features and Responsibilities

1. **Report Generation**
 - **Performed by: Admin** (generates progress, completion, and performance reports).
 2. **Report Review**
 - **Performed by: Admin** (monitors user data).
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13. Notification

Description: Manages notifications for users about course updates, deadlines, etc.

Features and Responsibilities

1. **Notification Setup**
 - **Performed by: Admin** (configures email, SMS notifications).
2. **Notification Sending**

- **Performed by: System** (automatically sends reminders and updates to users).
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14. Content

Description: Manages multimedia content like videos, documents, and links used in courses.

Features and Responsibilities

1. **Content Upload**
 - **Performed by: Instructor** (uploads and manages course content).
 2. **Content Review**
 - **Performed by: Admin** (reviews content for compliance and quality).
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15. Forum/Discussion

Description: Provides a space for users to interact and discuss course material.

Features and Responsibilities

1. **Forum Setup**
 - **Performed by: Admin** (creates and manages discussion forums).
 2. **User Interaction**
 - **Performed by: User** (posts and interacts), **Instructor** (monitors and engages).
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16. Integration

Description: Manages integrations with external systems like HR or SSO.

Features and Responsibilities

1. **Integration Setup**
 - **Performed by: Admin** (configures external system connections).
 2. **Data Sync**
 - **Performed by: System** (automatically syncs data between LMS and external systems).
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17. Video Management

- **Video Compression: System** (automatically compresses videos for optimization).
- **Video Streaming: System** (streams videos in multiple quality levels for better user experience).