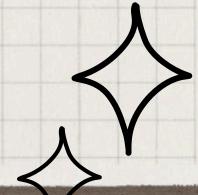
LEARNING MANAGEMENT SYSTEM

PROJECT

Empowering Education with Technology
Offering a seamless blend of intuitive interfaces, robust
features, and interactive tools, our LMS empowers
educators and learners alike to engage, collaborate, and
excel in the digital age.

By

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Software Requirements Specification (SRS) for Learning Management System (LMS)

- 1. Introduction The Learning Management
 System (LMS) is a web-based application
 designed to facilitate the administration,
 documentation, tracking, reporting, and delivery
 of educational courses or training programs. It
 provides a centralized platform for educators to
 create and manage courses, deliver instructional
 content, assess student performance, and
 communicate with learners.
- 2. Purpose The purpose of this document is to outline the functional and non-functional requirements of the LMS, including its features, user interfaces, and system capabilities. It serves as a comprehensive guide for the development team to understand the project scope, objectives, and deliverables.

3. Scope The scope of the LMS includes the following functionalities:

User authentication and role-based access control

Course creation and management

User authentication and role-based access control
Course creation and management
Content delivery and multimedia support
Assessment and grading tools
Communication and collaboration features
Reporting and analytics dashboard
4. Target Audience The target audience for the
Learning Management System (LMS) includes
educational institutions, corporate training
departments, and online course providers. Specific
user roles within these organizations include:

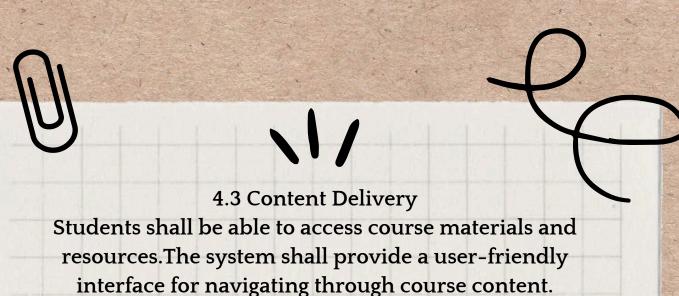
- Administrators: Responsible for managing user accounts, courses, and system settings.
- Instructors: Facilitate course creation, content delivery, assessment, and communication with students.
- Students: Enroll in courses, access course materials, complete assignments, and participate in discussions.

4. Functional Requirements 4.1 User Management The system shall allow users to register and create accounts. Users shall be able to log in using their

The system shall allow users to register and create accounts. Users shall be able to log in using their credentials. The system shall support role-based access control for administrators, instructors, and students. Administrators shall have the ability to manage user accounts, including creating, updating, and deleting accounts.

4.2 Course Management

Instructors shall be able to create and manage courses. Courses shall include details such as title, description, objectives, prerequisites, and duration. Instructors shall be able to add and organize course content, including lectures, presentations, videos, and assignments. The system shall support multimedia content formats for course materials.

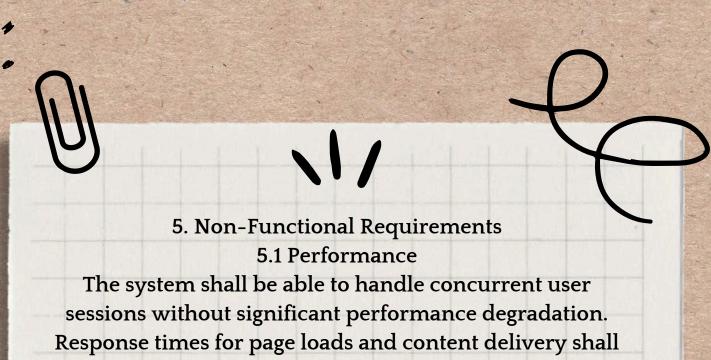


interface for navigating through course content. Content delivery shall support streaming videos, downloadable files, and interactive multimedia.

4.4 Assessment and Grading Instructors shall be able to create quizzes, exams, and assignments. The system shall support various question types, including multiple-choice, true/false, and short answer.Instructors shall have the ability to grade student submissions and provide feedback.

4.5 Communication and Collaboration The system shall include messaging and discussion forums for communication between instructors and students.Students shall be able to ask questions, participate in discussions, and seek clarification from instructors.Instructors shall have the ability to send announcements and notifications to students.

4.6 Reporting and Analytics The system shall generate reports on student enrollment, course progress, assessment results, and user activity. Administrators shall have access to an analytics dashboard for tracking key performance indicators and trends.



be optimized for efficiency.

5.2 Security

User authentication shall be implemented using secure protocols such as HTTPS and encryption.

Access control mechanisms shall prevent unauthorized users from accessing sensitive data and functionalities. The system shall adhere to industry standards and best practices for data security and privacy.

5.3 Usability

The user interface shall be intuitive and easy to navigate, with clear instructions and feedback messages.

The system shall be accessible to users with disabilities, complying with accessibility standards such as WCAG.

5.4 Reliability

The system shall be reliable and available for use 24/7, with minimal downtime for maintenance or upgrades. Data backups and disaster recovery mechanisms shall be in place to prevent data loss in case of system failures.

1 Analysis

Conduct market research to understand e-learning trends and user needs. Analyze user requirements and pain points to identify areas for improvement in the current system.

2 Strategy

Develop a user-centric learning platform with innovative featuresDevelop solutions that prioritize user experience and address user needs effectively.

3 Objectives

Create a versatile LMS for educational institutions and corporate trainingImprove usability and accessibility of the system to enhance user satisfaction and engagement.



4 Action

Implement interactive content and robust analytics.Implement agile development methodologies to rapidly prototype, test, and iterate on new features and enhancements

5 Revision

Continuously update and enhance the platform based on user feedback.Implement agile development methodologies to rapidly prototype, test, and iterate on new features and enhancements

6 Solution

Conduct surveys, interviews, and usability tests to gather insights into user preferences and pain points.

