**NON-FUNCTIONAL REQUIREMENTS DOCUMENT**

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**Project Name:** E- learning Management System

**1. Introduction**

This document outlines the functional and non-functional requirements for the E- learning management project, aimed at improving the digital learning experience for both students and teachers through enhanced features and tools.

**3. Non-Functional Requirements**

**3.1 Usability**

**Requirement**: The platform must be user-friendly and intuitive for all users.  
**Details**:

* **Intuitive Interface**: Designed for ease of use, ensuring both tech-savvy and non-tech-savvy users can navigate effortlessly.
* **Cross-Platform Accessibility**: Optimized for use on both desktop and mobile devices, ensuring accessibility from anywhere.

**3.2 Performance**

**Requirement**: The platform must perform efficiently under all conditions.  
**Details**:

* **High Responsiveness**: Quick loading times and smooth interactions, even with high user volumes.
* **Peak Load Management**: Ensures stability and speed during peak usage times, such as assignment deadlines.

**3.3 Reliability**

**Requirement**: The platform should ensure maximum uptime and dependability.  
**Details**:

* **High Availability**: Robust infrastructure to minimize downtime, particularly during critical academic periods.
* **Dependable Operation**: Continuous availability supports trust in the platform for important academic tasks.

**3.4 Scalability**

**Requirement**: The platform must be scalable to accommodate growth.

**Details**:

* **Support for Growth**: Capable of handling an increasing number of users, resources, and data without degradation in performance.
* **Flexible Architecture**: Supports both horizontal and vertical scaling to adapt to changing demands.

**3.5 Interoperability**

**Requirement**: The platform must integrate seamlessly with other systems.  
**Details**:

* **Cross-Platform Compatibility**: Ensures compatibility with various operating systems, browsers, and devices.
* **Multilingual Support**: Offers multiple language options to cater to a diverse user base.
* **Integration Capabilities**: Facilitates easy integration with other educational tools and platforms for a connected learning experience.