**Educational Platform**

**Business Requirement Specification**

Table of Contents

1. Introduction 3

2. Business Requirements Overview 4

3. Functional Requirements Overview 4

4. Non-functional Requirements 5

# 1. Introduction

# Document Purpose

This document communicates the business requirements and scope for developing Educational Platform System. The scope of this document is to define the functional and non functional requirements, business rules and other constraints requirements.

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# Project Background

During offline classes, both students and teachers face a variety of challenges that hinder the educational experience. Students often struggle with accessibility issues, particularly in remote areas, and face a lack of personalized learning due to the one-size-fits-all approach in traditional classrooms. Resource constraints, such as insufficient learning materials and financial barriers, further complicate their education..

# Goals of the project

Here, we tried to solve the problem of students what

they face while learning offline and also through this platform teachers can reach more

students.

This project is designed to facilitate teachers and students in online learning practices. As

teacher can declare mock tests, video courses, pdf materials, take live classes, and students

can access them. Payment is implemented in this project so students can buy them and

teachers can sell their content online.

# Customers and Stakeholders

Customers:

* + Students
  + Teachers
  + Educational Institutions

Stakeholders

* + Students
  + Online Learning Providers
  + Educational Institutions
  + Government Organization

# 2. Business Requirements Overview

* Educational Platform System is the public web application.
* There are mainly three types of user. One is the students second is teacher and third is Admin itself.
* Provide a user-friendly interface for students and teachers.
* Offer a variety of courses across different subjects and levels.
* Facilitate communication and collaboration between users.
* Educational Platform System could be maintained by Administrator.

# 3. Functional Requirements Overview

Educational Platform System consists of four modules described as below.

1. Student Module
2. Teachers Module
3. Admin Module
4. Communication

# 1. **Student and Teacher Module**

* **Student Registration and Profile Management**
  + Students should be able to register, create, and manage their profiles.
  + Students should have access to their course history, grades, and progress reports.
* **Teacher Registration and Profile Management**
  + Teachers should be able to register, create, and manage their profiles.
  + Teachers should have access to manage their courses, grade assignments, and provide feedback.
* **Administrative Roles**
  + Admins should be able to manage user accounts, courses, and platform settings.

# **Admin Module**

* Educational Platform System should provide all function to admin how to handle the System.
* What are the students and teachers are using this system and are they authorized.

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1. **Communication Module**

· **Messaging System**

* Private messaging between students, teachers, and admins.

· **Announcements**

* Teachers and admins should be able to post announcements to courses or the entire platform.

# 4. Non-functional Requirements

###### 2.2.1 Performance

* The platform should support concurrent access by a large number of users without performance degradation.
* Response times for user actions should be within acceptable limits.

###### 2.2.2 Security

* User data must be protected with robust security measures.
* Regular security audits and updates.

###### 2.2.3 Usability

* The platform should have an intuitive and user-friendly interface.
* Accessible design to support users with disabilities.

###### 2.2.4 Scalability

* The platform should be scalable to support an increasing number of users and courses.
* Cloud-based infrastructure to handle varying loads.

#### 3. **System Requirements**

##### 3.1 Software Requirements

* Web-based application with support for modern browsers.
* Mobile app support for iOS and Android.

##### 3.2 Hardware Requirements

* Servers with sufficient capacity to handle user load.
* Backup systems for data redundancy and disaster recovery.