

Project Requirements Document (PRD)

Title: Learning Management System (LMS)

Overview:

This LMS project is a web application designed to provide an online platform for educational institutions. It facilitates student and teacher interaction, course management, quiz creation, and student progress tracking.

Goals & Objectives:

- Enable student registration and authentication.
- Allow teachers to create and manage courses and quizzes.
- Allow students to attempt quizzes and view results.
- Display dashboards specific to student and teacher roles.
- Provide administrative access for monitoring the platform.

Target Users:

- Students
- Teachers
- Educational Institutions
- Admin Staff

Features

Feature	Description	Priority
Student Registration	Students can register with profile creation and login.	High
Teacher Registration	Teachers can register with profile and access teaching tools.	High
Dashboard	Custom dashboards for students and teachers.	High
Quiz Creation	Teachers can create quizzes with questions and options.	High
Attempt Quiz	Students can view and attempt quizzes.	High
View Results	Students and teachers can view quiz results.	High
Authentication	Login and logout for users.	High
Role-based Access	Different views and access for students and teachers.	High

Functional Requirements

- User authentication using Django built-in auth system.
- Student and teacher dashboards with role-based data.
- Course and quiz models to store and retrieve data.
- Quiz attempt functionality and result display.
- Admin panel for monitoring and management.

UI/UX Requirements

- Clean and intuitive layout using HTML/CSS.
- Responsive design for desktop and mobile.
- Student and teacher-specific interface.
- Quiz interface with radio buttons and submit option.
- Result summary display.

Tech Stack

- Frontend: HTML, CSS, Bootstrap/Tailwind
- Backend: Django
- Database: SQLite
- Templates: Django Templates (Jinja2)
- Hosting: Localhost / PythonAnywhere

Timeline

Task	Deadline
Requirement Finalization	Day 1
Model Creation (Database schema, relations)	Day 1
View Logic (handling requests, business logic)	Day 2
Template Design (HTML rendering, forms, UI)	Day 3
Results & Testing	Day 4
Final UI Polish & Submission	Day 4

Success Criteria

- At least one student and teacher should be able to register and log in.
- Teacher can create and assign a quiz.
- Student can attempt the quiz and view results.
- Role-based dashboard rendering.
- Smooth UI with no major bugs.

Deliverables

- Fully functional Django LMS App
- Source Code (GitHub)
- Working Screenshots
- Demo Video (Optional)
- Final Report (PDF or Word Format)