

Project Document Template

Project Name

Online Course Management Platform

Objective

Develop a web platform where instructors can create and manage online courses with video lessons, supporting materials, and quizzes, allowing students to efficiently track their educational progress.

Main Features

- Registration of instructors and students
- Creation and organization of courses with modules and videos
- Upload of supplementary materials (PDFs, links, etc.)
- Quiz and evaluation system
- Certificate generation upon course completion
- Dashboard to track learning progress
- Course reviews and comments
- Profile area for students and instructors

Technical Requirements

- Responsive Web Application (React.js frontend)
- Backend using Node.js and PostgreSQL database
- File storage using external services (e.g., AWS S3)
- Integration with payment gateways (e.g., Stripe)
- JWT authentication and role-based access control
- Automated testing with Jest and Cypress

Target Audience

Independent instructors and educational institutions looking to offer online courses with full management of the student journey.

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Additional Notes

The platform may later integrate live video conferencing features and gamification tools to increase student engagement.