PROJECT REQUIREMENTS

CESAE Digital Online Courses

Team

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Abstract

This report outlines the initial project requirements and technology stack selection for a web development project aimed at CESAE Digital. The platform will provide a user-friendly experience for listing and registering for courses and training programs, similar to Udemy or Skillshare. The report defines the project's objectives, target audience, and key functionalities while also detailing the selected technologies, including front-end and back-end frameworks, databases, and other essential tools.

Project Requirements

Objectives

The website will serve as an online learning platform for CESAE Digital, allowing users to browse, register, and enroll in courses and training programs. Similar to Udemy or Skillshare, it will provide an interactive learning experience, supporting both free and paid courses. The platform will also include a Backoffice for course and content management.

Target Audience

The primary audience consists of individuals looking to enhance their skills or transition into new careers, including students, professionals, and job seekers. The platform will cater to both beginners and advanced learners, offering structured courses and certifications. Additionally, CESAE Digital instructors and administrators will use the platform to create and manage course content.

Key Functionalities

- Course Management & Catalog:
    - Browse and filter course listings by category, skill level, and price.
    - View detailed course descriptions and curriculum.
    - Search functionality.

- User Registration & Enrollment:
    - Account creation and authentication.
    - Enroll in free and paid courses.
    - Payment integration.

- Learning & Course Access:
  - User dashboard with enrolled courses and progress tracking.
  - Access to course materials and evaluations.
  - Certificates upon completion.

- Admin & Backoffice Features:
  - Manage course content, pricing, and enrollment.
  - Track user progress and generate reports.
  - Customer support and issue resolution.

Tech Stack

Framework

Website to be developed with Laravel.

Database

Database using MySQL.

Other

Payment Processing

Payment Processing to be handled with the Stripe API.

Email Handling

Email Handling with Mailgun.

Social Login & 2-factor Authentication

Integrate Google & Microsoft Sign-In functionality.