FUEL AN IDEA WITH THE
TECHNOLOGY AND BUILD A FIRE
We help our partners creating meaningful
software solutions for their business to grow.
DataPollex
ALIEN CORE TECHNOLOGIES
WWW.DATAPOLLEX.COM

Minimal LMS System - Recruitment Task

Overview

Develop a Learning Management System (LMS) with two main panels:

- **Admin Dashboard** (for course content management)
- **User Panel** (for course consumption and progress tracking)

The system should be built using **Laravel(V 10)**, **VUE JS/Nuxt**, and **Mysql**. The back end should follow the MVC architectural pattern, and the UI must be fully responsive and polished.

Technical Stack

- **Frontend:** VUE JS/Nux with responsive UI
- **Backend:** Laravel with MVC architecture.
- **Database:** Mysql

Admin Dashboard Features *(Authentication Required)*

1. Course Management

- **Course Upload:**
  - Fields: Thumbnail (image), Title, Price, Description.
  - Display courses in a grid of cards with thumbnails, titles, prices, and descriptions.
- **Course CRUD:**
  - Edit/Delete existing courses.
  - Dynamic routing: Clicking a course card navigates to its **Module & Lecture Management** page.

2. Module & Lecture Management

- **Module Creation:**
  - Add modules with **Title** and **Module Number** (auto-increment).
- **Lecture Creation:**
  - Add lectures under modules with:
    - Title
    - Video upload/URL (You can use embedded YouTube video links for simplicity)
    - Multiple PDF notes (upload)
  - **CRUD Operations:** Edit/Delete modules and lectures.
- **Lecture List View:**
  - Display all lectures in a table with filters by **Course** and **Module**.

User Panel Features

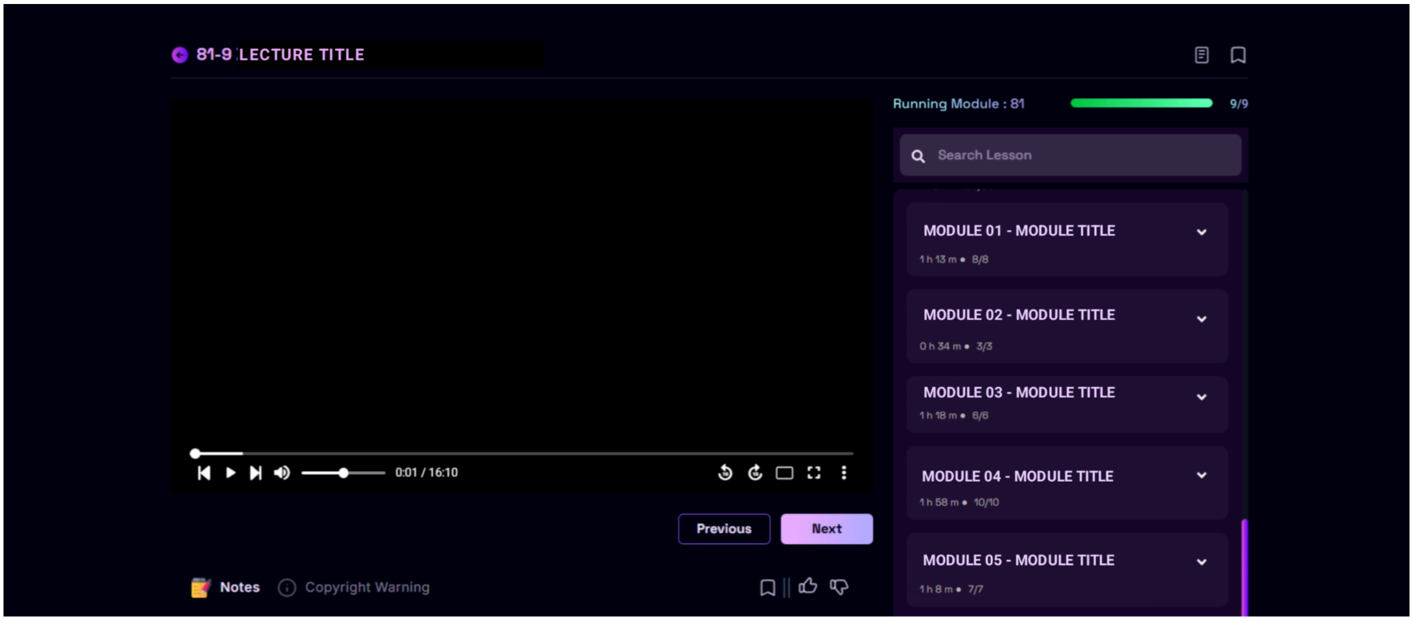
1. Course Details Page

- **Dynamic Content:**
  - Display course details (thumbnail, title, price, description) from admin uploads.
  - Use static data for additional sections (e.g., reviews, instructor info)
- **Reference**: https://ostad.app/course/flutter

2. Lecture Page

- **Structure:**
  - Numbered modules with expandable lecture lists.
  - Search bar to filter lessons by title.

- **Content Delivery:**
  - **Locked Lectures:** Users unlock lectures sequentially (next button unlocks subsequent lectures).
  - **Video Player:** Stream uploaded videos. (You can use embedded YouTube video links for simplicity)
  - **PDF Notes:** Download/view multiple PDFs per lecture.
- **Progress Tracking:**
  - Visual indicator (progress bar/checkmarks) showing completed lectures.



Reference for better understanding

Mandatory Requirements

1. **Responsive UI:**
   - Ensure all screen compatibility. Use modern design principles.
2. **Backend Architecture:**
   - Follow the MVC pattern with separate routes, controllers, models, and services.
3. **Dynamic Content:**
   - All user-facing content (courses, modules, lectures) must reflect admin uploads.

Submission Guidelines

1. **Code Repository:** Host on GitHub/GitLab.

2. **Live Demo:** Deploy the app (e.g., Vercel + Render) and include a live link and Test credentials
3. **Evaluation Criteria:**
    - Functionality
    - Code quality & architecture
    - UI/UX polish
    - Responsiveness

After completing your task, please submit it using the following link:

https://forms.gle/pxLJ4te8DSRPLF5H8

DATAPOLLEX LIMITED

COMPANY NUMBER 16148903

UK OFFICE 124-128 City Road, London, United Kingdom, EC1V 2NX

BD OFFICE 4012, Stadium Complex, Kazir Dewri, Chattogram

WWW.DATAPOLLEX.COM

🇬🇧+44 7723 779854 , 🇧🇩+880 1963431045