

Academic Learning Platform

Project Overview

An advanced web-based learning management system designed to connect instructors, students, and administrators through a comprehensive educational platform.

Key Features

User Roles

- Admin Dashboard
- Instructor Dashboard
- Student Dashboard

Core Functionality

- Course Management
- Payment Integration (PayPal)
- Content Hosting (Bunny.net)
- Exam and Assessment System
- Profit Tracking and Withdrawals
- Dark Mode Support

Technical Stack

- Frontend: React (Inertia.js)
- Backend: Laravel
- Authentication: Laravel Breeze
- Payment: PayPal
- Media Hosting: Bunny.net

System Modules

1. Course Management

- Create and manage courses
- Define course structure (chapters, lectures)
- Set course pricing
- Add multimedia content

2. Exam System

Supports 4 question types:

- Multiple Choice
- Single Choice
- Drag and Drop
- Yes or No
- Free Text/Essay

Features:

- Configurable exam duration
- Per-chapter or course-wide exams
- Automatic grading
- Detailed performance analytics

3. Financial Management

Withdrawal Options:

- Bank Transfer
- PayPal
- Internal Wallet

Revenue Sharing:

- Platform takes 60% commission
- Instructors receive 40% of course price

4. User Experience

- Responsive Design
- Dark/Light Mode
- Personalized Dashboards
- Progress Tracking

4. Notification:

1. Update Status for Courses
2. Withdrawal Request
3. Updated Balance when student buying a course (balance status) for instructor and admin
4. Newly added courses by the instructor that are in pending status (Admin only)

5. Email:

1. Update Status for Courses
2. Withdrawal Request status and Payment proof email (instructor)
3. Payment email contains invoice (student)
4. Email for online courses containing meeting details
5. Send a welcome email to the student when purchasing a course
6. Send an email to the instructors when the student purchases his course
7. New Course Add to student

Authentication & Security

- Email Verification
- Role-based Access Control
- Content Protection Mechanisms

Installation

Prerequisites

- PHP 8.1+
- Composer
- Node.js
- NPM
- PayPal Developer Account
- Bunny.net Account

Routes Overview

Admin Routes

- Dashboard management
- User management
- Course approval
- Withdrawal processing

- Profit analytics

Instructor Routes

- Course creation
- Lecture and chapter management
- Exam design
- Withdrawal requests
- Profile management

Student Routes

- Course enrollment
- Lecture access
- Exam taking
- Progress tracking
- Profile management

Security Features

- Content protection against:
 - Screenshots
 - DevTools access
 - Right-click restrictions
- Email verification invalidation
- Violation tracking system

Performance Optimization

- Caching mechanisms
- Efficient database queries
- Lazy loading of resources

Future Roadmap

- Enhanced interactive content
- Language support

License

<https://github.com/AbdoAssall>

Support

For issues and support, please open a GitHub issue or contact abdoassal85@gmail.com