

# EduQuest Web App

DEPI Graduation  
Project

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# Introduction

**This documentation provides a comprehensive guide to the e-learning platform, which is designed to offer an intuitive and immersive learning experience. The platform enables users to learn, teach, and assess their knowledge across various subjects. It caters to three types of users—learners, instructors, and administrators—and includes essential features like course creation, video tutorials, quizzes, reviews, and certification.**

**This document will explain the features, processes, user roles, usage instructions, database schema, and technical details required for developers and stakeholders.**

# Description

This project is an E-learning website that allows students to book courses and instructors to publish their own courses.

# Requirements

- Framework: Laravel
- Language: PHP
- Compilers : vscode, php storm
- Local server : xampp
- Database :MySQL, phpMyadmin
- Browser: Google Chrome

# How to use ?

## For Learners

1. **Sign Up:** Create an account with personal details (name, email, etc.).
2. **Browse Courses:** Search for courses by category, instructor, or keyword.
3. **Enroll in Courses:** Once found, click "Enroll" to join the course.
4. **Watch Videos:** Navigate to the course content to view the instructional videos.
5. **Take Quizzes:** Complete quizzes to evaluate understanding.
6. **Earn Certificates:** After course completion, download the certificate from your profile.
7. **Leave a Review:** Share your feedback about the course by submitting a review.

# How to use ?

## For Instructors

1. **Register:** Sign up and select the "Instructor" role.
2. **Create a Course:**
  - Provide course details, such as title, description, and subject area.
  - Upload or embed video content.
  - Add quizzes and assignments.
3. **Monitor Students:** Track student enrollment and quiz performance.
4. **Interact with Reviews:** Respond to student feedback and improve course material accordingly.

## For Administrators

1. **Login:** Access the admin dashboard via the secure login portal.
2. **Manage Courses:** Approve or reject new course submissions from instructors.
3. **Moderate Users:** Add, edit, or deactivate learner or instructor accounts.
4. **View Reports:** Generate reports to track overall platform performance, including user engagement and course completion rates.



# Users

## 1. Learners

- **Role:** Learners are users who enroll in courses to gain knowledge.
- **Capabilities:**
  - Create an account and manage their profile.
  - Browse, search, and enroll in courses.
  - Access course content (videos, quizzes, assignments).
  - Track learning progress.
  - Submit reviews and ratings.
  - Receive certificates of completion.

## 2. Instructors

- **Role:** Instructors are content creators responsible for teaching learners.
- **Capabilities:**
  - Create and manage courses.
  - Upload videos, documents, and other learning materials.
  - Add quizzes and other assessments.
  - View and respond to student reviews.
  - Monitor learner performance and progress.

## 3. Administrators

- **Role:** Administrators manage the entire platform.
- **Capabilities:**
  - Approve/reject course creation requests.
  - Manage user accounts (learners and instructors).
  - Moderate course content and reviews.
  - Generate reports and analytics.

# Process Flow

## 1. Registration and Login

- Users can sign up either as learners or instructors.
- Admins can approve or reject new instructor accounts.

## 2. Course Creation (Instructor)

1. **Login:** Instructor logs into the system.
2. **Course Setup:** Instructor provides course details (title, description, category).
3. **Video Upload:** Instructor uploads or links course videos.
4. **Quiz Creation:** Instructor adds quizzes to assess students.
5. **Publish Course:** Course is submitted for admin approval.
6. **Monitor:** Instructors can track student progress and receive feedback.

## 3. Course Enrollment (Learner)

1. **Login/Signup:** Learner logs in or creates a new account.
2. **Browse Courses:** Learner browses the course catalog or searches for a specific course.
3. **Enroll:** Learner enrolls in a course of interest.
4. **Learning Process:** Learner goes through video tutorials, submits quizzes, and completes assignments.
5. **Certification:** Upon completion, the learner receives a certificate.

# Feature

## 1. User Roles

- **Learners:** Can enroll in courses, view video content, take quizzes, submit assignments, and receive certificates.
- **Instructors:** Can create and manage courses, upload videos, create quizzes, and monitor student progress.
- **Admins:** Can manage users, approve/reject courses, generate reports, and maintain platform stability.

## 2. Courses

- Instructors can create and manage courses with the following:
  - **Video Tutorials**
  - **Quizzes and Assignments**
  - **Reviews and Ratings**
  - **Certificates of Completion**

## 3. Reviews and Ratings

- Learners can submit reviews and rate courses, providing feedback to instructors and other potential students.

## 4. Quizzes and Assessments

- Each course can have quizzes, which may consist of multiple types of questions (multiple-choice, true/false, etc.).
- Quizzes are auto-graded, and learners are provided with results.



# Features

## 5. Video Tutorials

- Courses consist of multiple video tutorials.
- Videos are hosted and embedded from secure sources.

## 6. Certification

- Learners receive certificates after completing a course. These certificates are downloadable and verifiable.

## 7. Admin Dashboard

- Admins manage the platform through a comprehensive dashboard with features like:
  - User management (add/edit/delete users)
  - Course approvals
  - Report generation and analytics.

## 8. User Profiles

- Each user has a profile page containing their personal details, enrolled courses, and activity history.

# Conclusion

So, this project provides a solution for students to book and learn good courses and instructors to publish their courses easily and free.

