Orange Coding Academy

Master Project Documentation

LEARN PLUS

Prepared by:

Mohammad Bany Saleh

Contents

Chapter 1: Introduction

1.1 Brief

Learn Plus is an e-learning platform designed to facilitate online education and provide a seamless experience for administrators, teachers, and students. The platform will offer a range of features and functionalities to support online learning, including interactive courses, assessments, communication tools, and administrative capabilities.

1.2 Technologies Used

1- Front-End

- HTML (Hyper Text Markup Language).
- CSS (Cascading Style Sheets).
- JavaScript.
- Bootstrap.

2- Back-End

- PHP (Hypertext Preprocessor).
- Laravel
- MySQL

Chapter 2: Requirements and Analysis

2.1 Functional Requirements

Functional requirements in software engineering help you to capture the intended behavior of the system. This behavior may be expressed as functions, services or tasks or which system is required to perform.

2.1.1 Admin:

- The admin can view, add, edit and delete grades.
- The admin can view, add, edit and delete students.
- The admin can view, add, edit and delete teachers.
- The admin can view, add, edit and delete courses.
- The admin can assign the course to a teacher.
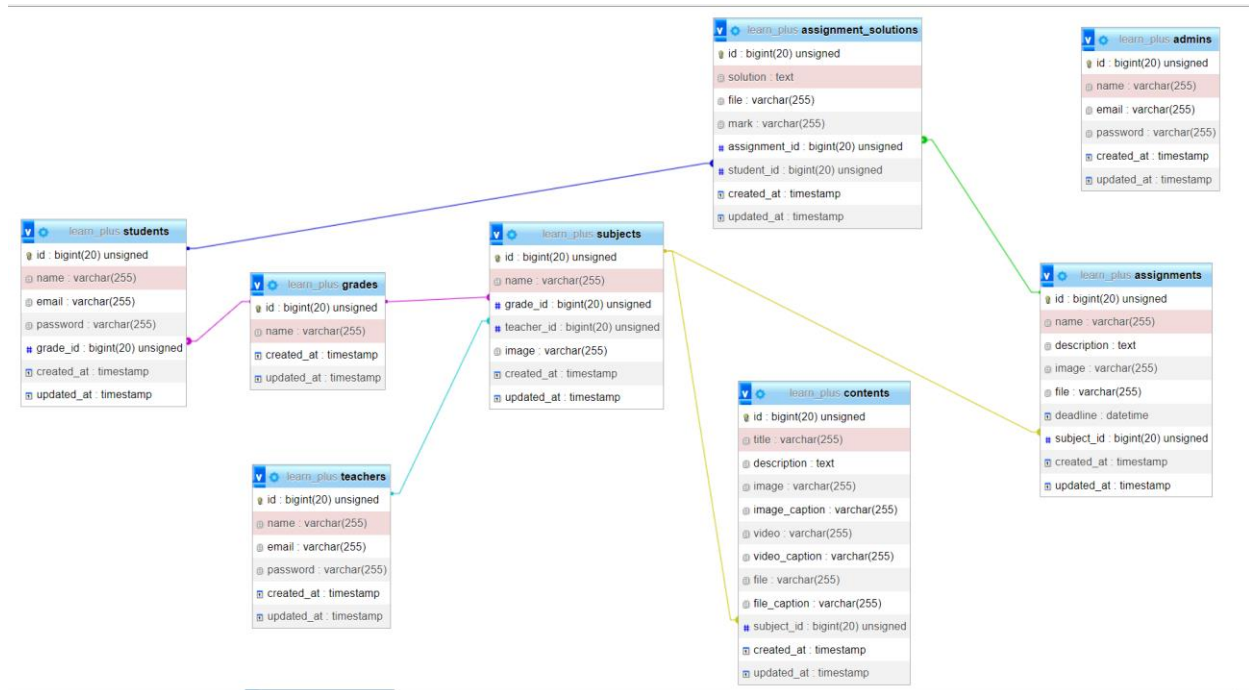- The admin can assign the student to a grade.

2.1.2 Teacher:

- The teacher can view, add, edit and delete contents in the course.
- The teacher can view, add, edit and delete assignments in the course.
- The teacher can view student's solutions for an assignment.
- The teacher can view, add, and edit student's marks for and assignment.

2.1.3 Student:

- The student can view courses.
- The student can view the content of the course.
- The student can view assignment in the course.
- The student can view, add, and edit solution in the assignment.
- The student can view his mark in an assignment.

3.1 Database Schema

Chapter 4: Conclusion & Future work

4.1 Conclusion

Learn Plus is a comprehensive e-learning platform that aims to provide a user-friendly and effective online education experience. It accommodates the specific needs of administrators, teachers, and students, fostering an environment for interactive and engaging learning. The success of this project will depend on effective collaboration, careful planning, and diligent execution.