

Laravel Project Requirements

Task: Student-Teacher Management System with AdminLTE, Middleware, and Git (Excluding Authorization)

Project Description: Develop a Student-Teacher Management System using Laravel that enables teachers to manage students, assignments, and students to view and submit assignments. The project should incorporate the AdminLTE template for user interface styling, implement a middleware scenario for role-based access control, and use Git for version control.

Requirements:

1. **Authentication:**
 - Set up authentication using Laravel's built-in scaffolding.
2. **Database Setup:**
 - Create an ER diagram that represents the database structure of your Student-Teacher Management System. (Provide me Image).
 - Design the database schema to accommodate students, teachers, assignments.
 - Establish appropriate relationships between tables.
3. **Teacher Dashboard:**
 - Create a dashboard for teachers to view a list of students.
 - Enable CRUD operations for student management.
 - Allow teachers to create and assign assignments to students.
4. **Student Dashboard:**
 - Develop a dashboard for students to view assignment details.
 - Display a list of assignments with due dates and submission status.
 - Implement assignment submission functionality.
5. **Assignment Management:**
 - Enable file uploads for assignment submissions.

-
- Display assignment details, including title, due date, and attached files.

6. **Styling and UI:**

- Integrate the AdminLTE template for styling the user interface.
- Apply the template's components, styles, and layout to the Laravel views.
- Ensure a responsive design that works well on different screen sizes.

7. **Middleware Scenario: Role-Based Access Control:**

- Create a middleware named `RoleMiddleware` using the command `php artisan make:middleware RoleMiddleware`.
- Define logic in the middleware to check the user's role and restrict access if necessary.
- Apply the middleware to routes to enforce role-based access control.
- Test the middleware with users having different roles (teacher/student) to verify restricted access.

8. **Git Version Control:**

- Install Git on your local machine if not already done.
- Create a GitHub account if you don't have one.
- Initialize a Git repository in your project folder.
- Commit your code changes and push them to your GitHub repository.

Note: As always, break down the project into smaller tasks and focus on one task at a time. This approach will help you stay organized and make steady progress toward completing your project. Good luck!

Eng.Abdulrhman H,

Thanks