Student Management System - Setup & Code Overview

Laravel Student Management System Setup Guide
Requirements
- PHP 8.1 or higher
- Composer
- MySQL or MariaDB
Installation
1. Clone the Repository:
git clone https://github.com/ranim122004/student_management_system.git
cd student_management_system
2. Install PHP Dependencies:
composer install
3. Set Up Environment:
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3. Set Up Environment: cp .env.example .env php artisan key:generate
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php artisan migrate --seed

Run: php artisan serve Then visit: http://localhost:8000 ## Notes - Tailwind CSS and Bootstrap are included via CDN - No Node.js or npm setup is required # Code Overview ## StudentController Handles student CRUD operations: - index() List all students - create() Show form to add a student - store() Save student to database - edit() Show form to edit a student - update() Update student details - destroy() Delete student record ## CourseController

Handles course operations:

Running the App

- index(), create(), store(), edit(), update(), destroy(), show()

GradeController

Handles grade operations:

- index(), create(), store(), edit(), update(), destroy()

Models

- Student hasMany Courses, hasMany Grades
- Course belongsTo Student, hasMany Grades
- Grade belongsTo Student, belongsTo Course