Student Management System

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# 1. Introduction

This Student Management System is a Laravel-based web application that allows users to manage students, their courses, and grades efficiently. It is designed for administrators, teachers, or educational staff to handle student-related data with ease. This application is meant to be used by staff in educational institutions in an intranet setting.

# 2. System Requirements

Server Requirements:  
- PHP >= 8.1  
- Composer  
- Laravel Framework >= 10  
- MySQL or compatible DB  
- Node.js and NPM (for asset compilation)

Browser Compatibility:  
- Google Chrome  
- Mozilla Firefox  
- Microsoft Edge  
- Safari

# 3. Getting Started

Installation (Developer Setup):  
1. Clone the project repository:  
 git clone https://github.com/ManarMerhiMM/Student-Management-System.git  
 cd student-management-system  
2. Install dependencies:  
 composer install  
 npm install  
 npm run dev  
3. Create .env file and configure database:  
4. Set up the database and run migrations:  
 php artisan migrate  
5. Start Laravel server:  
 php artisan serve

# 4. User Roles and Access

- Teacher: Access to view/edit/delete/add students, courses, or grades  
- Admin: Same as the teacher, also access to activating/deactivating/viewing website users  
- Guest: Access to only the landing page

# 5. Navigating the Application

Homepage: Landing page, if you’re logged in you can get to the dashboard through it, if not you need to login to get started, there is also a link to download this very word document.

Dashboard: Quick links to student management, course management, and (in case it’s an admin) user management

Managing Students:  
- Add: Go to Students > Add Student. Fill form and save.  
- Edit: Click Edit next to a student, update info, and save.  
- Delete: Click Delete next to a student and confirm.  
- View: Click view next to a student to view full profile which contains all this student’s information and grades which can be downloaded as a PDF report.

Managing Courses and grades:  
- Add: Go to courses > Add Course. Fill and save.  
- Edit: Click Edit next to a course, update info, and save.  
- Delete: Click Delete next to a course and confirm.  
- View: Click view next to a course to view full course information which contains basic course info, enrolled students with the option to unenroll any of them, enrolled students’ grades can be adjusted in a table, when you’re done click save all to confirm all the changes to the grades and update them. There is another table with a search bar above containing all of the unenrolled students with the option to enroll any of them.

Managing Users (admin only):  
- index page: go to users > you’re in! All the users are shown with their active/inactive status shown, next to each user is an activate/deactivate button (depending on current state), you can click the button and confirm to do this action. A deactivated user still exists in the database but cannot login.

# 6. Optional Features

Authentication and Roles: Secure login and 2 roles: regular user (staff member) and admin.  
Search and Filter: Locate data quickly by using search bars scattered around in the application.  
Exporting Data: Downloading student data as a PDF report file.

# 7. Contact and Support

For help, contact the dev:  
- Email: manarmerhi80@gmail.com  
- GitHub: https://github.com/ManarMerhiMM/Student-Management-System