

LearnSphere - Simplified Version

Overview

LearnSphere is a student-teacher management system designed to help teachers manage assignments, schedules, notifications, and student performance, while students can access and submit coursework, view schedules, and receive updates.

Core Features

1. User Roles

- **Teacher:** Manages assignments, schedules, and student progress.
- **Student:** Submits assignments, checks schedules, and receives notifications.

2. Teacher Features

- **Assignment Management:** Create, assign, and set deadlines for assignments.
- **Schedule Management:** Define and modify class schedules.
- **Notifications:** Send updates and announcements to students.
- **Student Performance Tracking:** Monitor student submissions and grades.

3. Student Features

- **Assignment Submission:** Upload completed work before deadlines.
- **Class Schedules:** View upcoming classes and important dates.
- **Notifications:** Receive alerts about assignments and announcements.
- **Grade Tracking:** View feedback and scores on assignments.

4. Additional Functionalities

- **Messaging System:** Teachers and students can communicate within the platform.
- **Attendance Tracking (Optional):** Students can check their attendance records.
- **Resource Library (Optional):** Teachers can upload study materials for students.

Technology Stack

- **Frontend:** React.js / Vue.js (Web), React Native / Flutter (Mobile)
- **Backend:** Laravel (PHP) / Node.js
- **Database:** MySQL / Firebase
- **Hosting:** AWS / DigitalOcean

Deployment Plan

1. **User Authentication:** Secure login for students and teachers.
2. **Assignment & Schedule Features:** Implement core functions.
3. **Notification System:** Real-time alerts for updates.
4. **Testing & Feedback:** Ensure smooth functionality.
5. **Deployment & Maintenance:** Optimize for performance.

This simplified version retains the essential functionalities while making it easier to implement and scale.
Let me know if you need further refinements!