Cinderella School Assignment Management System Project Documentation

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Company Name: PowerSpur Solutions

1. Project Overview

Cinderella School Assignment Management System is a digital platform designed to simplify how teachers share assignments with students and how students submit their work online.

The system provides an easy-to-use digital environment that allows:

- Teachers to upload and manage assignment documents.
- Students to view, download, complete, and submit assignments back to teachers.
- The school administrator to oversee all activities and maintain user accounts.

The goal of this system is to improve efficiency, reduce paperwork, and ensure transparent communication between teachers and students within a secure and organized digital space.

2. System Users and Their Roles

The system will have **three user types**, each with specific roles and access levels:

A. Teachers

Teachers will be the primary users responsible for posting assignments and reviewing submissions. Their key features include:

1. **Uploading Assignments**
   - Teachers can upload documents in various formats (PDF, Word, or images).
   - Each uploaded document will represent an assignment for a specific class.

2. **Setting Submission Dates**
   - Teachers can use a built-in calendar to select due dates for assignments.

3. **Commenting and Instructions**

   - Teachers can leave comments or instructions explaining how an assignment should be completed.

4. **Viewing Class Students**

   - Teachers can view the list of students in their class when posting or reviewing assignments.

5. **Tracking Student Activity**

   - Teachers can see which students are online, as well as get notifications when:

     - A student submits an assignment.

     - A new document has been sent back by a student.

6. **Reviewing and Grading**

   - Teachers can enter remarks or marks after reviewing the student's work.

   - The feedback will be visible to the student once posted.

7. **Editing and Updating Documents**

   - Teachers can edit a document if they wish to make corrections or updates.

   - The updated version will appear on the student's dashboard with a notification.

8. **Viewing or Downloading Student Submissions**

   - Teachers can open and view submitted documents directly within the system or choose to download them.

9. **Filtering by Date**

   - A filter option will allow teachers to view documents they sent on specific dates.

10. **Quick Statistics Section**

    - Teachers can view summarized statistics such as:

      - Total assignments posted

      - Total submissions received

      - Active students

B. Students

Students will use the system mainly to access assignments and submit their completed work. Their dashboard will include:

1. **Viewing Assignments**

   - Students can view all assignments uploaded by their teachers, including deadlines and comments.

2. **Downloading Assignments**

   - Students can download assignment documents directly from the platform.

3. **Submitting Work**

   - After completing their work, students can upload their submissions in supported formats (PDF, Word, or image).

   - The uploaded file will automatically appear in the teacher's dashboard.

4. **Receiving Notifications**

   - Students receive instant alerts when:

     - A new assignment is posted.

     - A teacher leaves feedback or uploads an updated document.

5. **Instructions & Help Section**

   - A dedicated area guides students on how to use the system — including how to download, upload, and view their grades or feedback.

6. **Feedback and Reviews**

   - Students can see reviews and scores provided by teachers for each submitted assignment.

7. **Activity Timeline**

   - Students can see a simple timeline of actions such as:

     - "Teacher posted assignment"

     - "Student submitted assignment"

     - "Teacher reviewed and posted marks"

8. **Comment Section**

- Each assignment page will include a mini comment area for communication between the student and teacher.

9. **Online Status Display**

- Students can see if their teacher is online for easier interaction.

C. Administrator

The admin serves as the system's supervisor, managing users and overall performance. Their functions include:

1. **User Account Management**

- The admin will create and edit login details (email and password) for both teachers and students.

- There will be no public sign-up option; all access is controlled by the admin.

2. **Monitoring System Activity**

- The admin can view:

- All assignments posted by teachers.

- All submissions made by students.

- The number of active users online.

3. **Surveillance and User Tracking**

- The admin can see:

- Who is online or offline at any time.

- How many times a specific student has logged in or been active.

4. **Statistical Overview**

- Dashboard cards will show:

- Total teachers

- Total students

- Total assignments submitted

- Online users

5. **System Maintenance**

- The admin has full control to deactivate, edit, or manage any user or assignment.

3. Additional System Features

1. Activity Timeline

A visual record of key events:

- "Teacher posted assignment"
- "Student uploaded submission"
- "Teacher posted review"

This feature makes the system interactive and transparent.

2. Document Preview

Before downloading, teachers and students can **preview documents** (PDFs, Word files, or images) directly within the platform. This allows users to confirm content without needing to download files first.

3. Online Status Indicators

Each user will have a small colored dot showing whether they are online (green) or offline (grey), along with a "last active" time note.

4. Mini Chat / Comment Feature

Each assignment will include a mini chat thread between teacher and student for clarification, quick feedback, or guidance.

5. Deadline Reminders

Assignments will display:

- "2 days left" countdowns
- Red highlights for overdue submissions

6. Dark / Light Mode

Users can switch between dark and light themes:

- **Default:** Dark mode (black background, white text, red accents)
- **Light mode:** Optional alternative, mainly for admin or accessibility.

7. User Dashboard Statistics

Quick summary cards will show key figures like:

- Total students

- Total assignments posted

- Total submissions this week

- Number of users currently online

8. Search & Filter Options

Users can search assignments or filter them by date, class, or name for quick access.

4. System Design Overview

Color Theme

- Primary colors: Black and White

- Accent color: Red (#B91C1C) — used minimally for highlights, buttons, and alerts.

User Interface Layout

- Sidebar: Navigation menu for dashboard features.

- Top Bar: Profile area, notifications, and theme toggle.

- Main Content Area: Assignment listings, statistics, or activity feed.

The design will be clean, modern, and easy to navigate for both staff and students.

5. Login and Access Structure

- The system will have one main login page with three selectable options:

  - *Admin Login*

  - *Teacher Login*

  - *Student Login*

- Each user selects their role before entering their email and password.

- No signup option is available; all accounts are created and managed by the administrator.

- During the first development phase, the login system will use sample (dummy) data for testing purposes.

6. Development Timeline (One Month)

Week	Tasks & Deliverables
Week 1	- Design and structure all user dashboards (Admin, Teacher, Student). - Create navigation layouts and login page. - Establish theme and color consistency.
Week 2	- Develop Teacher Dashboard features (upload, comment, deadline setup, view student list). - Add Activity Timeline and Document Preview functions.
Week 3	- Build Student Dashboard (view/download/upload assignments, notifications, instruction tab). - Include feedback/review section and countdown reminders.
Week 4	- Complete Admin Dashboard (user management, statistics, activity monitoring). - Final testing with dummy data. - Implement dark/light mode and responsive adjustments. - Prepare demonstration for the school.

7. Expected Outcomes

By the end of the project:

- Cinderella School will have a fully interactive assignment management system.

- Teachers and students will experience smoother communication and feedback cycles.

- The school administration will have better oversight and accountability for digital assignments.

- The interface will reflect the **school's identity** with a clean black, white, and soft red theme.

8. Conclusion

The Cinderella School Assignment Management System aims to modernize the assignment process by making it digital, efficient, and transparent for everyone involved.

It ensures that learning materials, submissions, and feedback are all managed in one easy-to-use platform — improving communication between teachers and students while giving the administration full visibility and control.