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# School Management System

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|---|---|
| ⬛ Status | `In progress` |
| ⬛ Created time | @July 28, 2025 1:27 PM |
| ⬙ Course | ⚛ React |
| ⬛ Start | @July 28, 2025 |
| ⬛ Due | @August 4, 2025 |
| 🕐 Timeline | Overdue! |
| ❶ Deadline | @August 4, 2025 |
| 🔥 Priority | High |
| ✔ Tasks | ✅ Day 1-Project Setup + UI Skeleton + Routing, ✅ Day 2 – Authentication + Role-Based Access, ✅ Day 3 – Employee Management (CRUD), ✅ Day 4 – Leave Request Management (CRUD), ✅ Day 5 – Dashboard + State Management + Validation, ✅ Day 6 – Responsiveness + UI Polish + Notifications, ✅ Day 7 – Testing + Bug Fixing + Final Touches |
| ⋯ Progress | 0 |
| ▶ Snippets | ▶ React Installation |

**Tasks**

| 🔲 Name | 🔲 Type | ⬗ Course | 🔲 Created time | 🔲 Due | 🗀 Project | 🔲 Status | ❶ Today Priority |
|---|---|---|---|---|---|---|---|
| ✅ Day 1- Project Setup + UI Skeleton + Routing | | | @July 28, 2025 1:40 PM | @July 28, 2025 | 🗀 School Management System | Inbox | ☑ |
| ✅ Day 2 – Authentication + Role-Based Access | | | @July 28, 2025 1:45 PM | @July 29, 2025 | 🗀 School Management System | Inbox | ☑ |
| ✅ Day 3 – Employee Management (CRUD) | | | @July 28, 2025 1:46 PM | @July 30, 2025 | 🗀 School Management System | Inbox | ☑ |
| ✅ Day 4 – Leave Request Management (CRUD) | | | @July 28, 2025 1:48 PM | @July 31, 2025 | 🗀 School Management System | Inbox | ☑ |
| ✅ Day 5 – Dashboard + State Management + Validation | | | @July 28, 2025 1:51 PM | @August 1, 2025 | 🗀 School Management System | Inbox | ☑ |
| ✅ Day 6 – Responsiveness + UI Polish + Notifications | | | @July 28, 2025 1:52 PM | @August 2, 2025 | 🗀 School Management System | Inbox | ☑ |
| ✅ Day 7 – Testing + Bug Fixing + Final Touches | | | @July 28, 2025 1:53 PM | @August 3, 2025 | 🗀 School Management System | Inbox | ☑ |

# About Project

## 🎯 Project Goal

To develop a **React-based CRUD application** that enables schools to efficiently manage **employee information** and **leave requests**, providing a centralized, secure, and user-friendly system for administrative tasks.

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## 👨 Target Users

- School Administrators

- HR Personnel

- Authorized Staff

## Features

### 👩 Employee Management

☐ Add new employee records

☐ View employee list and detail view

☐ Edit employee information

☐ Delete employee records

### 📝 Leave Request System

☐ Employees submit leave requests

☐ Managers/Admins view and manage requests

☐ Approve/Reject functionality

☐ Employees can delete pending requests

### 🔐 Authentication & Authorization

☐ JWT-based login/logout

☐ Role-based access (Admin / Manager / Employee)

### 🧠 State Management

☐ useState / useContext / Redux for app state

☐ Auth, Employee, Leave data managed centrally

### 🎨 UI Design

☐ Clean, intuitive layout

☐ Responsive design

☐ Dashboard and overview metrics

☐ Form validation

## Tech Stack

| Layer | Tech Used |
|---|---|
| Frontend | ReactJS, HTML, CSS, JS |
| State Mgmt | React Hooks / Context API |
| API | Axios or Fetch API |
| Auth | JSON Web Tokens (JWT) |
| UI Library | Material UI / Ant Design (optional) |
| Testing | Jest, React Testing Library |
| Backend | Node.js or Spring Boot (external) |
| Database | PostgreSQL / MySQL (external) |

## ✅ **Milestones**

| Day | Focus Area |
| --- | --- |
| 1 | Project setup, routing, UI skeleton |
| 2 | Authentication, role-based access |
| 3 | Employee CRUD features |
| 4 | Leave request features |
| 5 | Dashboard + polish UI |
| 6 | Validation + error handling |
| 7 | Testing, bug fixing, README + deployment |

**Snippets**

| Name | Course | Created time | Projects | URL |
| --- | --- | --- | --- | --- |
| ▶ React Installation | ⚛ React | @July 28, 2025 1:04 PM | 📁 School Management System | |