

Classroom Management System

Overview & Architecture

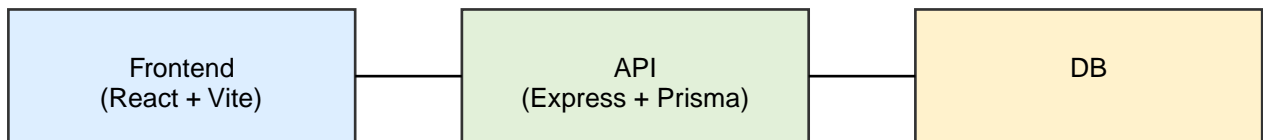
Tech Stack

- Frontend: React, Vite, React Router, MUI
- API: Node.js, Express, Prisma, Zod, JWT
- Database: SQLite (dev) / PostgreSQL (prod)
- Services: Face service (Python), Admin panel (Django scaffold)

Key Features

- Authentication (JWT), role-based access
- Role dashboards: Student, Teacher, Admin
- Classes, Materials, Attendance routes
- Protected routes in frontend

Architecture (Simple Diagram)



Demo Accounts

- Admin: admin@example.com / Admin#2025
- Teacher: teacher@example.com / Teacher#2025
- Student: student@example.com / Student#2025