📚 Student Project Portal – Real-Life Example (Explained by Sumaya)

This is a complete real-life explanation of how the Student Project Management Portal works from start to finish — explained step by step as if I’m the one using it.  
  
👩‍🎓 Characters:  
- Me (Sumaya) – a final-year Computer Applications student  
- Mr. Khalid – my supervisor (faculty)  
- Asha – the system admin  
  
🔐 1. Registration & Role Assignment  
I visit the portal and create a new account. I register as a “Student.” Once I finish registering, Asha (the admin) logs into her Admin Dashboard and sees my pending registration. She approves me and assigns Mr. Khalid as my supervisor.  
  
👩‍🏫 Mr. Khalid is already registered in the system as a faculty user.  
  
📌 At this point:  
- I’m a student  
- Mr. Khalid is my assigned faculty  
- Asha is managing everything from the backend  
  
📝 2. Submitting My Project Proposal  
I log into my student account and go to the “Submit Proposal” section. I fill in the following:  
- Project Title: Smart Library System  
- Objective: To help students check and borrow books online using facial recognition  
- Tools: React.js, Spring Boot, PostgreSQL  
  
I submit the proposal. It now appears under “Pending Proposals” in Mr. Khalid’s faculty account.  
  
✅ Mr. Khalid logs in, opens my proposal, reads the details, and clicks “Approve.” He leaves a comment:  
“Great idea. Make sure your database supports multiple users with roles.”  
  
🛠️ 3. Weekly Progress Updates and Feedback Loop  
Every Saturday, I log in and submit my weekly progress update. Here's how it goes:  
  
📅 Week 1:  
- I submit: “Created the database schema and basic UI.”  
- Mr. Khalid comments: “Good start. Use foreign keys to structure your tables.”  
  
📅 Week 2:  
- I submit: “Connected the frontend and backend using APIs.”  
- Mr. Khalid replies: “Add authentication using JWT.”  
  
📅 Week 3:  
- I submit: “Completed login system with roles for Student, Faculty, and Admin.”  
- Mr. Khalid says: “Test each role carefully. Avoid hardcoded access.”  
  
🗂️ All my submissions and his feedback are stored with timestamps and linked to my project. The system keeps everything organized.  
  
📤 4. Final Project Submission and Evaluation  
By the deadline, I upload my full project. This includes the GitHub link, report document, and screenshots.  
  
👨‍🏫 Mr. Khalid logs in, opens my final submission, tests the system, and checks if I implemented all features. He then gives me a final evaluation:  
- Final Score: 27/30  
- Final Comment: “Excellent design, clean UI, strong logic. Just missing export feature.”  
  
📊 This evaluation is saved in the system under my profile.  
  
📩 5. Viewing Final Score and Feedback  
I log in and see a notification: “Your project has been graded.”  
  
I check my dashboard and view:  
- My final score: 27/30  
- All my weekly feedback history  
- Download button to save the full evaluation as a PDF  
  
🧑‍💼 6. Admin Actions  
Throughout the project, Asha (admin) performs the following tasks:  
- Approves new users  
- Assigns students to faculty  
- Sets and manages deadlines  
- Monitors progress of all users  
  
🧠 System Logic Summary:  
- Backend: Spring Boot handles logic and APIs  
- Frontend: React manages the UI and role-based access  
- Database: PostgreSQL stores users, projects, updates, and scores  
- Spring Security: Protects different routes for Students, Faculty, and Admins  
  
This system removes confusion and makes everything organized in one place — from proposal to final score 🏁. It helps students, faculty, and admins stay connected and work efficiently.