Student's Portal

Name, ID

Project topic

Development of a Student/Teacher Collaboration Platform with Real-Time Chat and Media Gallery

Aim of the Project

Aim of the project is to design and implement a Student/Teacher Collaboration Platform that enhances communication and provide tools for effective learning workflow. This platform has a chat for real-time interactions, media gallery for sharing any kind of materials (educational/non-educational), and user-friendly tools for managing tasks/content/messages. Project tries to create secure and efficient solution that improves engagement and communication between every member of University in academical and extracurricular contexts.

Objectives

01. To implement responsive and intuitive UX/UI. Design and implement user–friendly platform

02. Implement and provide necessary administrative tools

03. To ensure system's reliability, security and scalability

Competitive Analysis

Features / Characteristics	Google Classroom	Microsoft Teams (Edu)	Moodle	Student Platform (My Project)
1. Schedule management	❌	✅	❌	✅
2. Deadlines & reminders	✅	✅	✅	❌
3. Social feed / posts	❌	❌	❌	✅
4. Groups & clubs (interests)	❌	✅	❌	❌
5. Student-to-student chat	❌	✅	❌	✅
6. Student-to-teacher chat	✅	✅	✅	✅
7. Media gallery (photos)	❌	✅	❌	✅
8. Role system (student/teacher/admin)	✅	✅	✅	✅
9. User interface	Simple	Complex	Outdated	Simple
10. Integration with external tools	Google Drive	Office 365	Limited	All in one
11. Notifications	✅	✅	✅	❌
12. Progress tracking	✅	✅	✅	❌
13. Administration tools	Medium	Advanced	Advanced	Medium
14. Customization for universities	❌	❌	✅	✅
15. Accesibility	Internet	Internet	Internet	Internet/university's network

Weaknesses

No reminder/notification system. Poor progress tracking. Limited group/club organization which can decrease overall engagement. Not the best administration tools

Threats
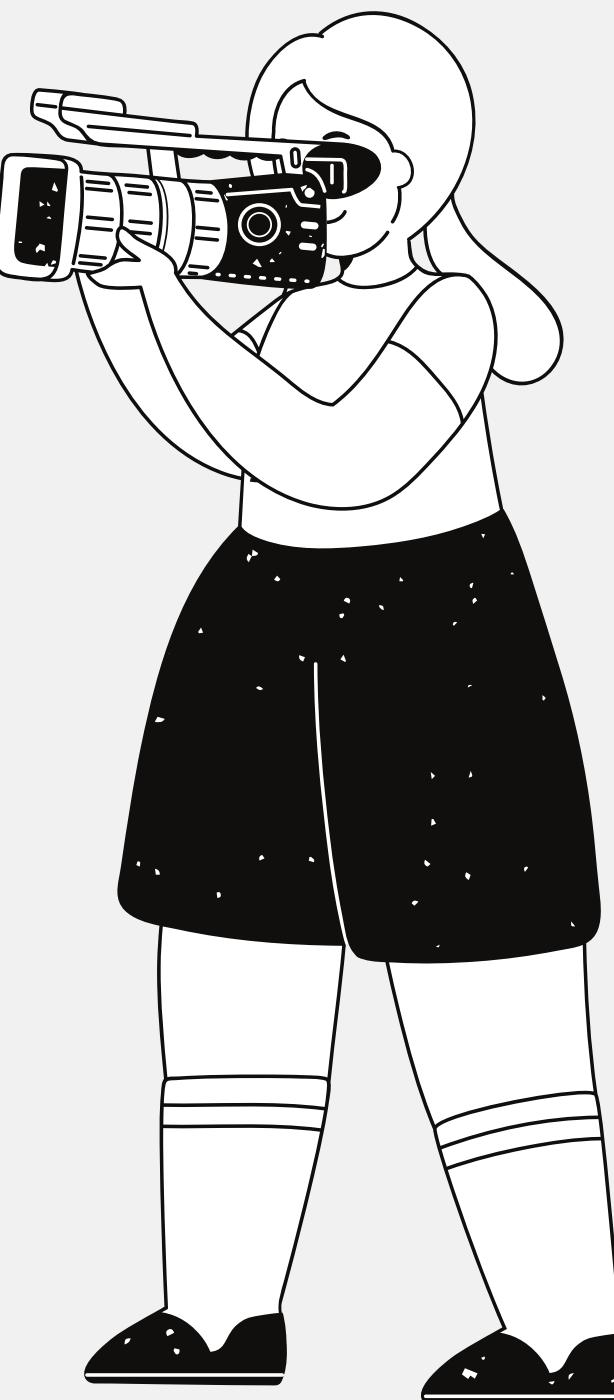
Strong competition from mature platforms. Complexitiy of scaling. Some crucial educational features were not implemented. Poor data/portal security

Strengths
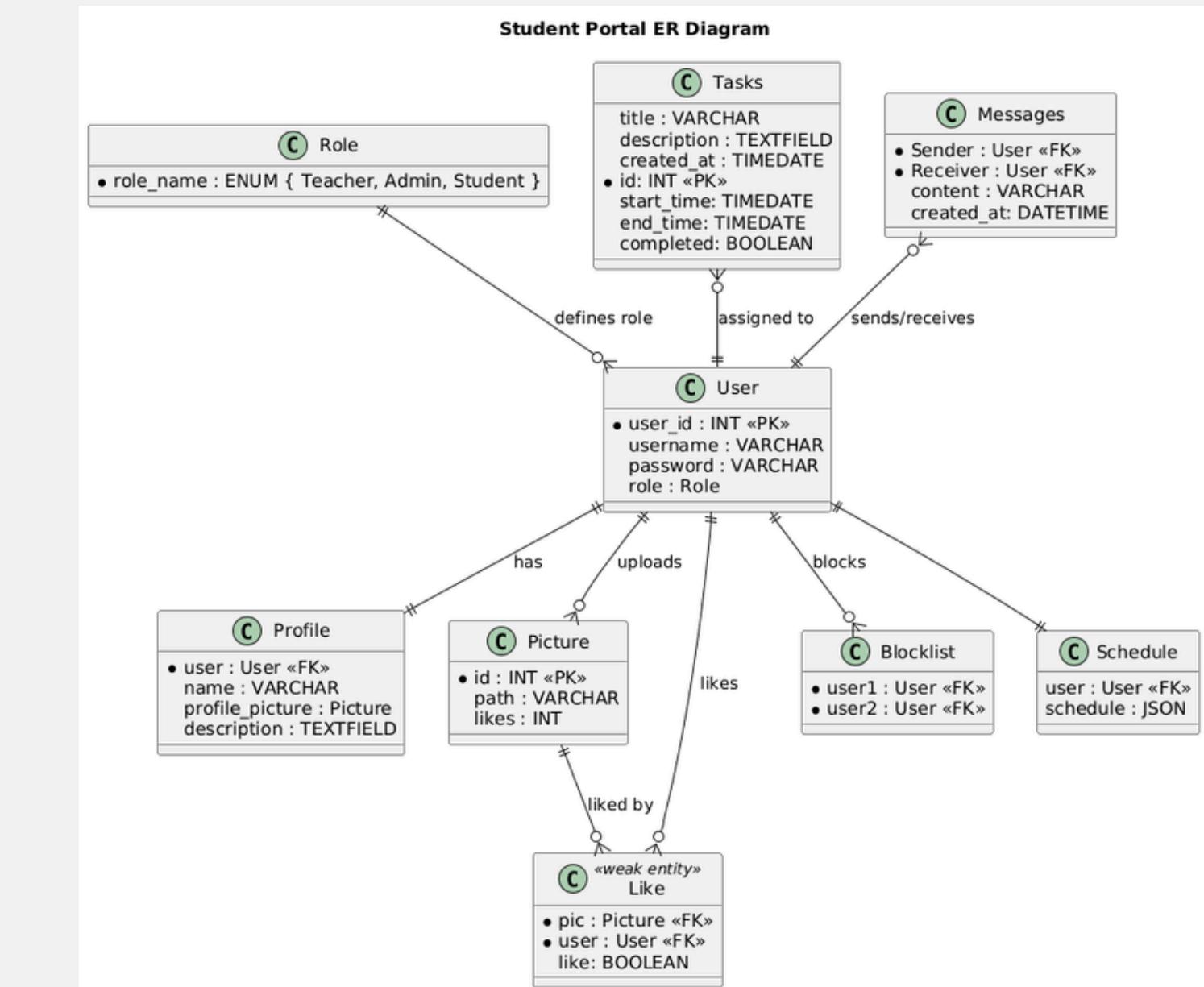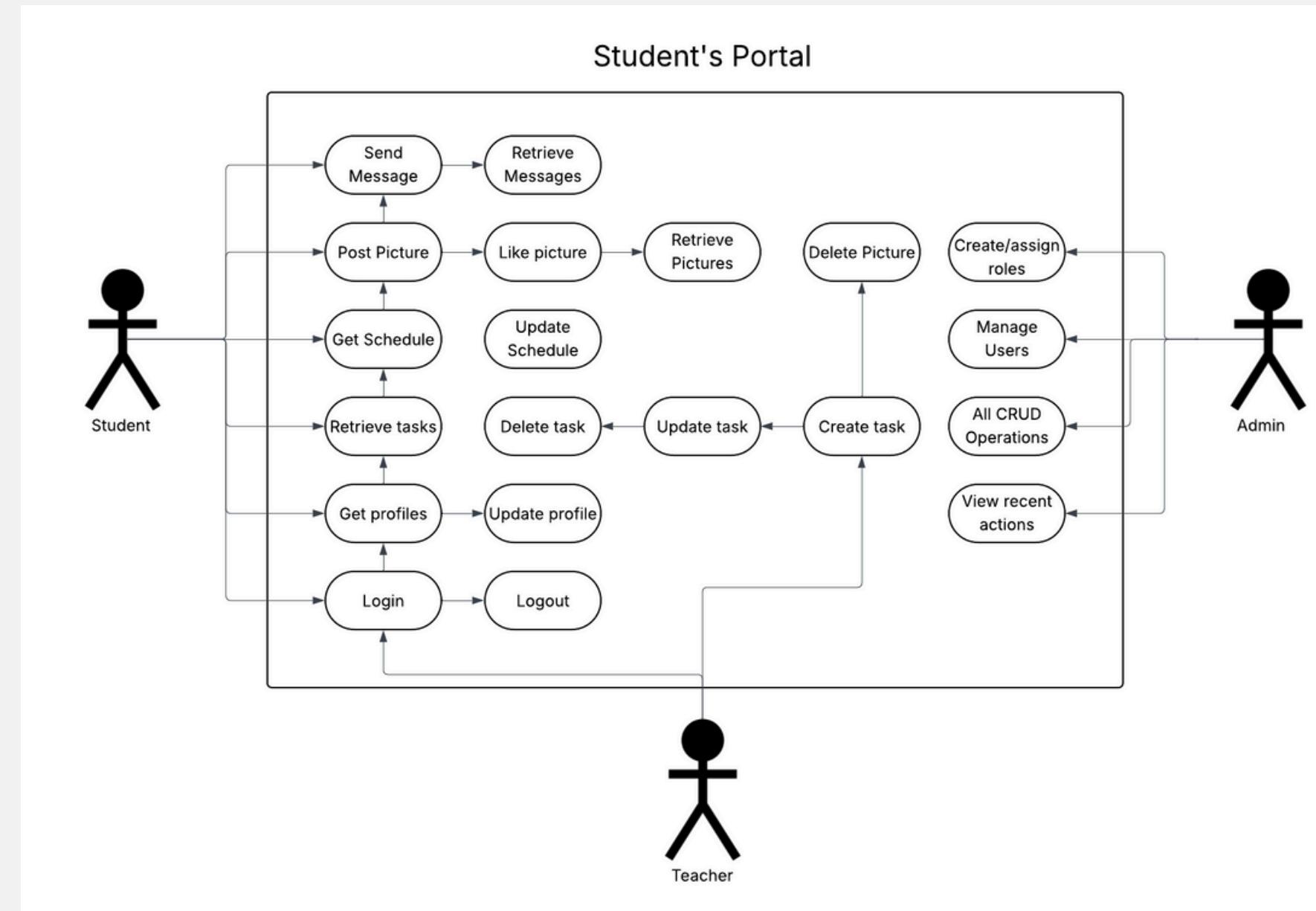
Real time social interactions. Simple and intuitive UI. No data is transfered to 3rd parties. Platform will be extremely useful in countries with restricted access to social media/internet(e.g Russia). Can be customized to university's needs.

Opportunities

Add reminders and push notifications. Improve task tracking, develop students groups and clubs. All of the above will significantly increase competitiveness

Diagrams

Thank you very much!