

EduPortal – Educational Platform

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The project involves the development of a web-based educational platform called **EduPortal**, designed to simplify the digital management of academic processes for students and lecturers. The system is a fully functional **full-stack web application** that includes both the server-side components and a user interaction interface for end users.

The system is built according to service-oriented architecture principles and enables data exchange between the client and the server through structured interfaces. The frontend provides a modern, interactive, and user-centered environment where students and lecturers can easily perform all required operations through a web browser.

The main objective of the project is to automate the learning process, ensure fast and secure access to resources, and reduce administrative workload. EduPortal supports user registration, authentication, and role-based authorization, allowing lecturers to create courses, upload learning materials, schedule tests, and manage student results, while students can enroll in courses, receive information, and complete assignments and assessments online.

One of the major challenges is ensuring security and stable operation in a multi-user environment. The system uses token-based authentication, structured API endpoints, and a clear separation of responsibilities between the frontend and backend, which ensures reliability, scalability, and easy future expansion, including the possibility of integration with mobile applications.

The final result of the project is a flexible, extensible, and modern web platform that improves the management of academic processes, reduces administrative effort, and supports the digital transformation of education.