



Bangladesh University of Business and Technology

AlgoHub

The Ultimate Learning Resource

MOTIVATION

This project aims to make quality education accessible through a simple online platform, helping learners grow at their own pace.

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Scop & Objectives:

- To create a user-friendly platform for browsing and purchasing online courses.
- To enable learners to access skill-based content anytime, from anywhere.
- To allow educators to publish and share their courses easily.
- To provide a smooth enrollment and learning experience for users.
- To support self-paced learning with clear course categorization.

Tecnology



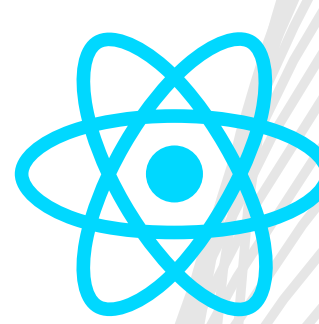
Html



Css



Javascript



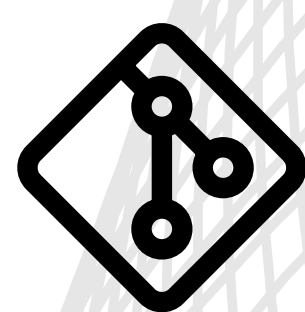
ReactJs



Bootstrap



Firebase



Git & Github

Technical Feasibility:

The necessary technology exists and can be implemented within budget and time constraints.

Economical Feasibility:

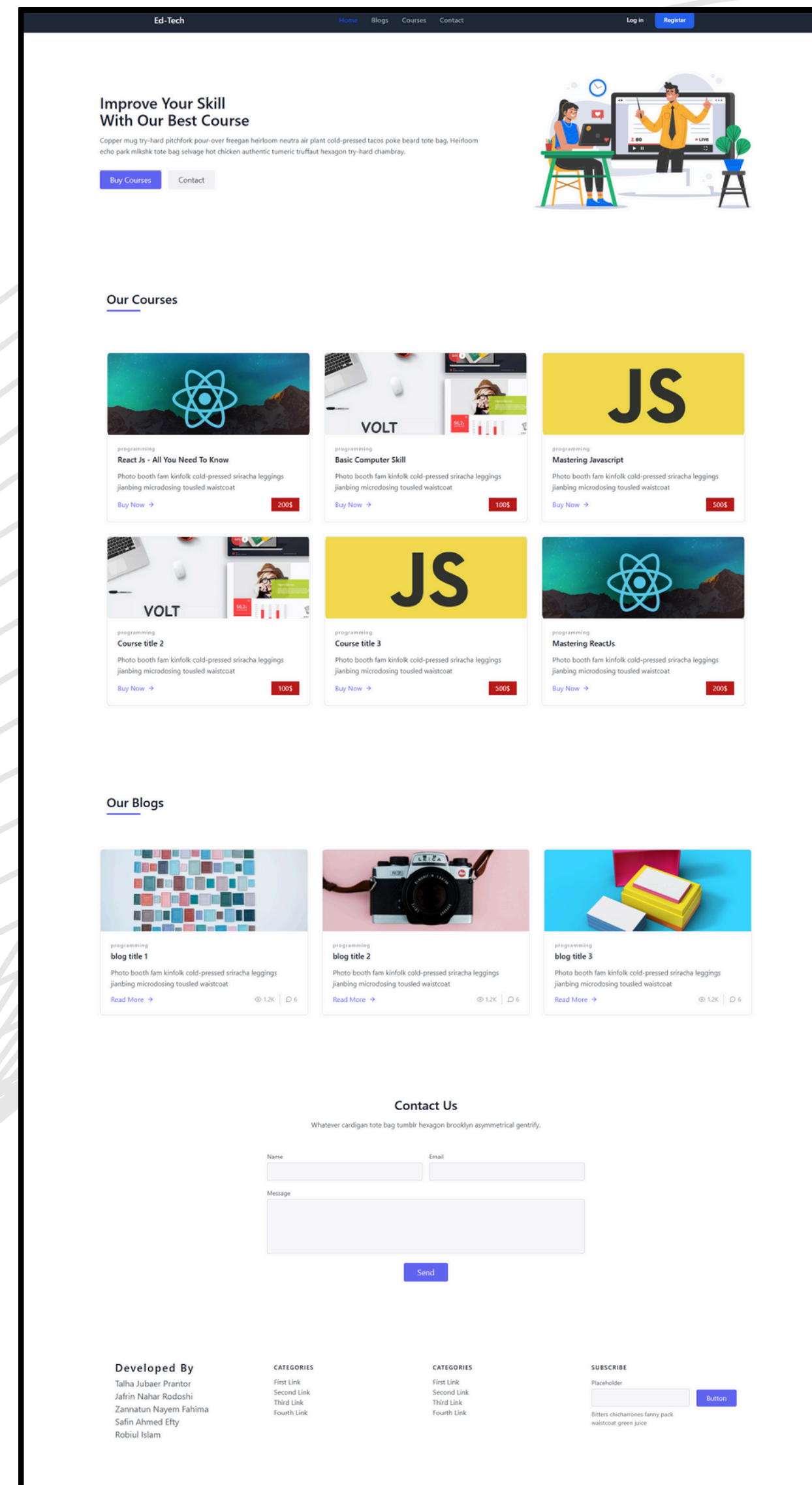
the project is financially viable, considering development, implementation, and maintenance costs.

Operational Feasibility:

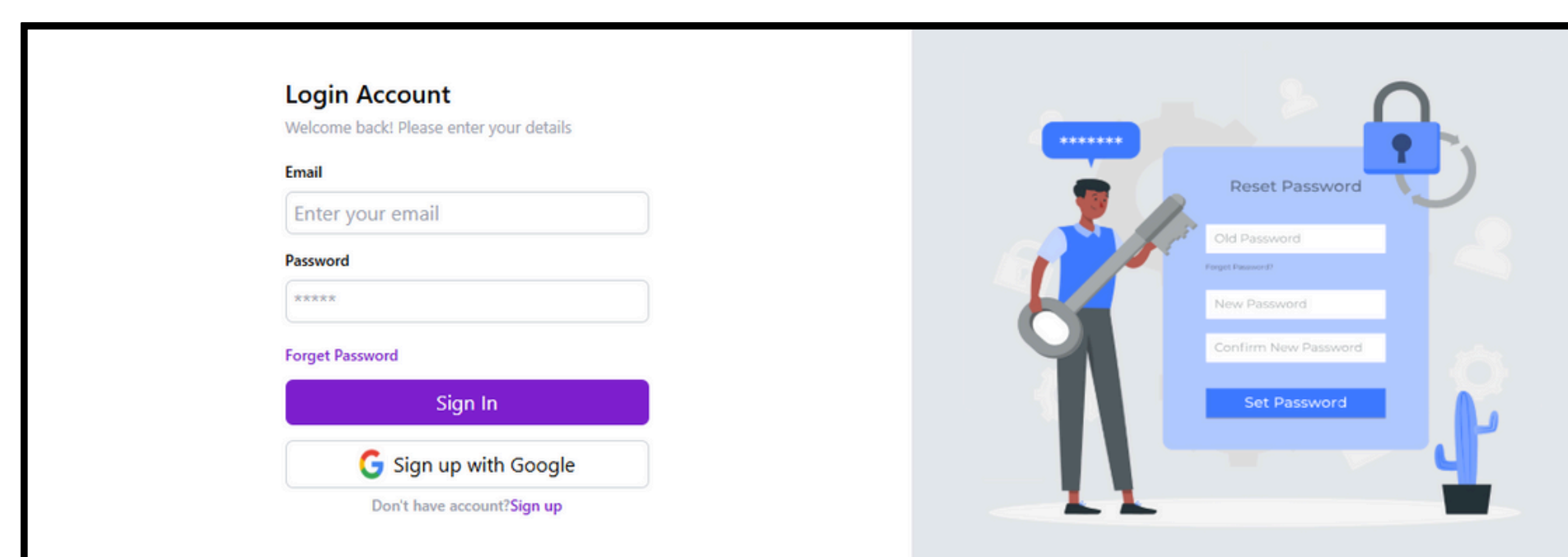
The system aligns with organizational objectives and can be smoothly integrated into existing workflows.

System Requirement:

- A standard computer
- Connection to the Internet

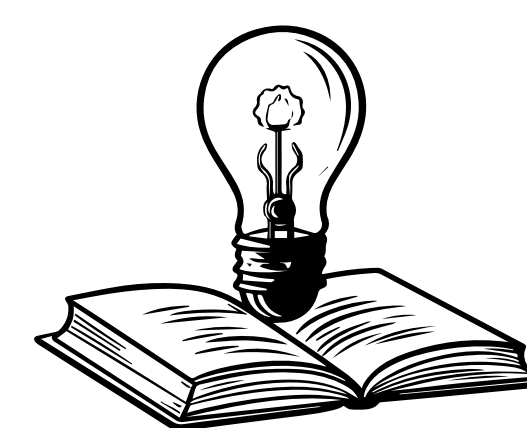


PROTOTYPE

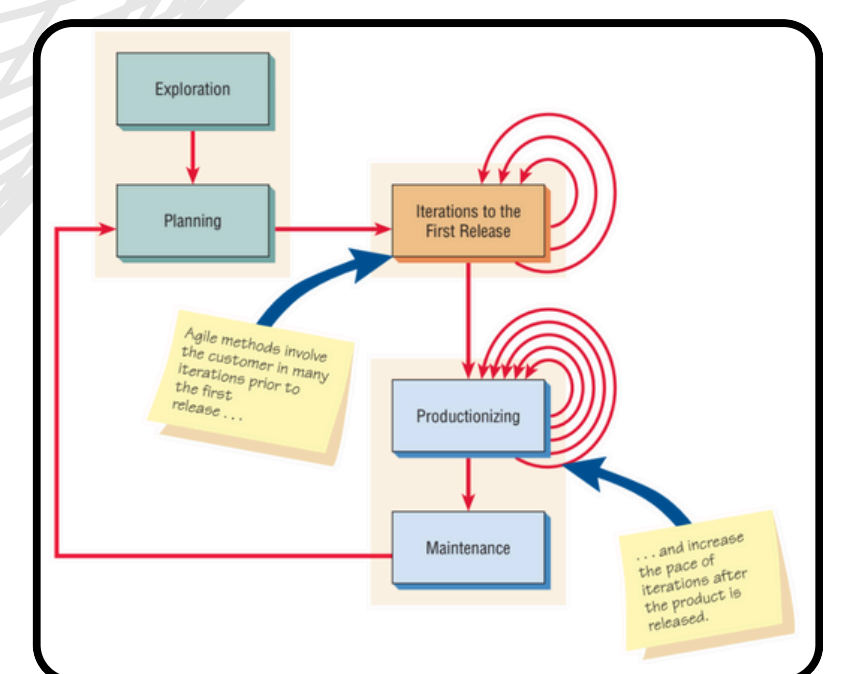


Future Updates

- Fix Deployment Issues
- Ensure the app renders properly by fixing JavaScript or build errors.
- Confirm backend/API endpoints.
- User Authentication System
- Implement user login/sign-up with JWT or OAuth (Google login).
- Create a dashboard for uploading, editing, and organizing course content.
- Display a catalog of courses (videos, notes, quizzes).



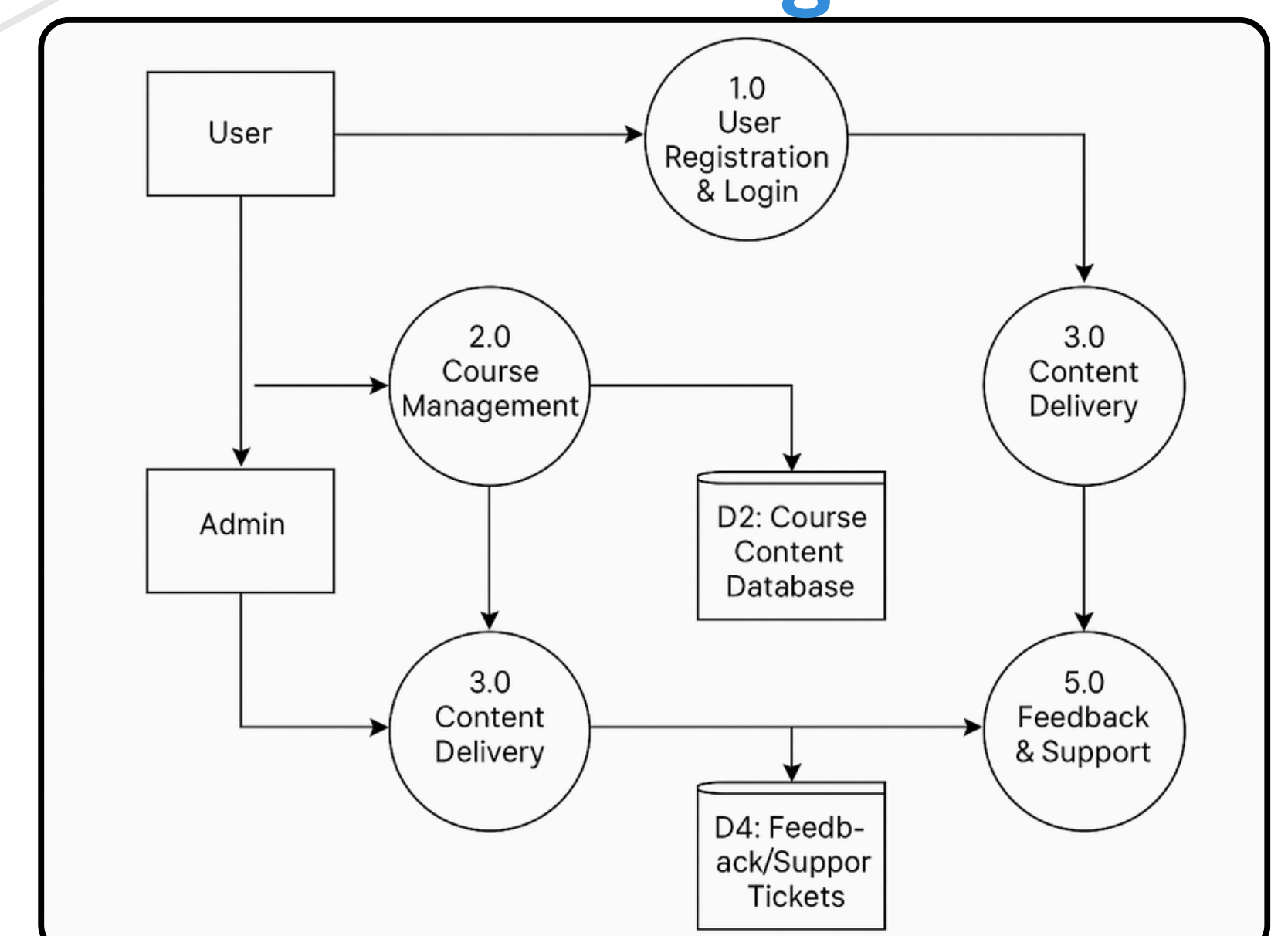
Developing Model (Agile)



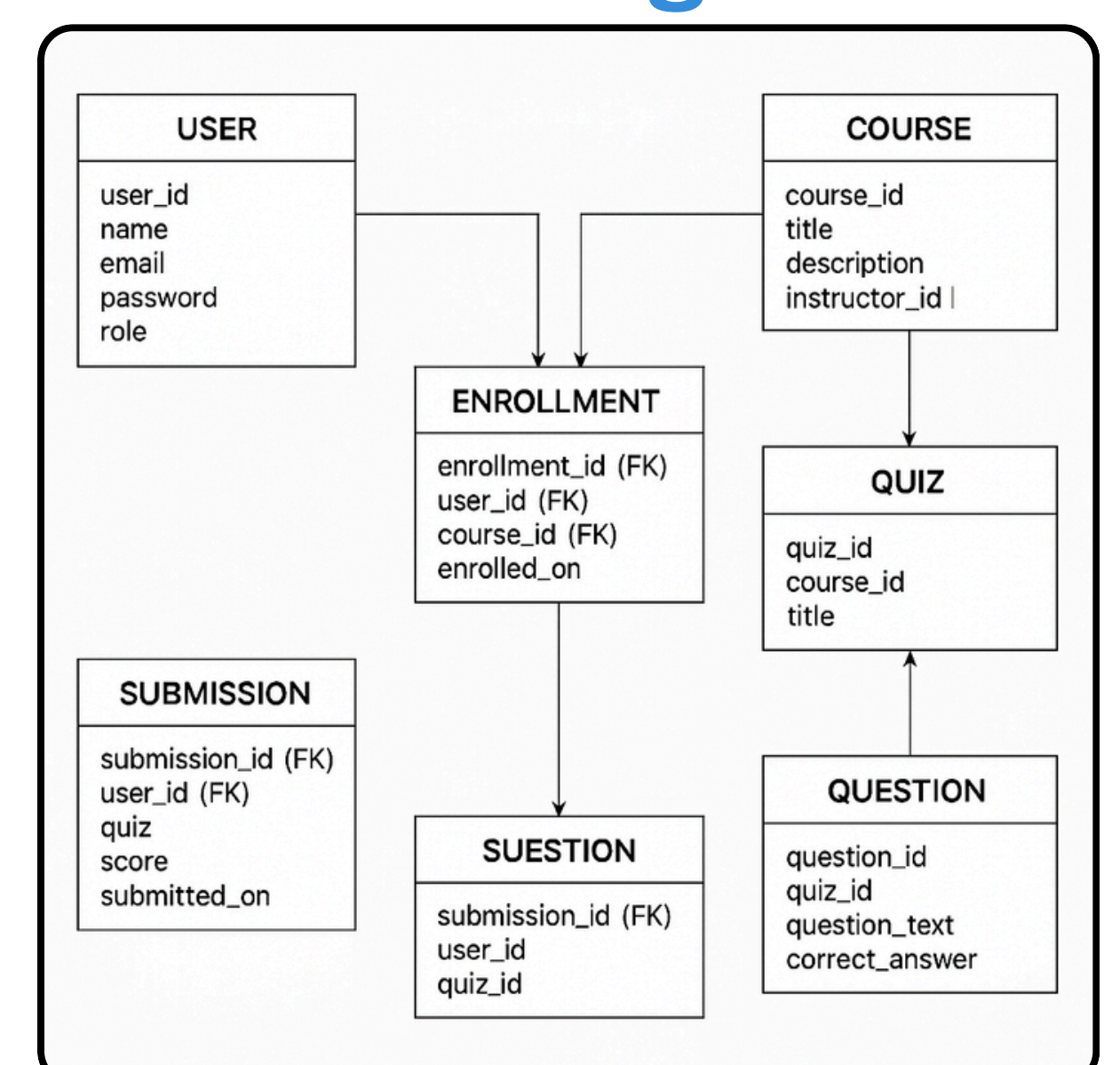
Features

Register/Login
Content Courses
Responsiveness
Enrollment
Blog

DFD Diagram



ER Diagram



Use Case Diagram

