Coursify-Learning Management System
Chirag Shrimal (2201060)

Summary
Coursify, a Learning Management System built with the **MERN** stack addresses the high cost and complexity prevalent in online education. We developed a platform featuring distinct user/admin roles with secure **JWT authentication**, comprehensive course and lecture management for administrators, integrated **Razorpay** subscription payments, and an insightful **admin analytics** dashboard. The most significant result is a unique, affordable all-access annual subscription model, which simplifies access to a wide range of learning materials and offers substantial value compared to traditional per-course purchase platforms.

Objective
To develop a functional, secure, user-friendly LMS (Coursify). To center it on an affordable, all-access annual subscription model, providing accessible education and overcoming cost/usability barriers of existing platforms.

Technology Stack
- **Frontend**: React SPA with Redux Toolkit (State), React Router (Routing), Axios (API), Tailwind/DaisyUI (Styling).
- **Backend**: Node/Express REST API.
- **Security**: JWT Auth, bcrypt Hashing, Custom Middleware (Authorization).
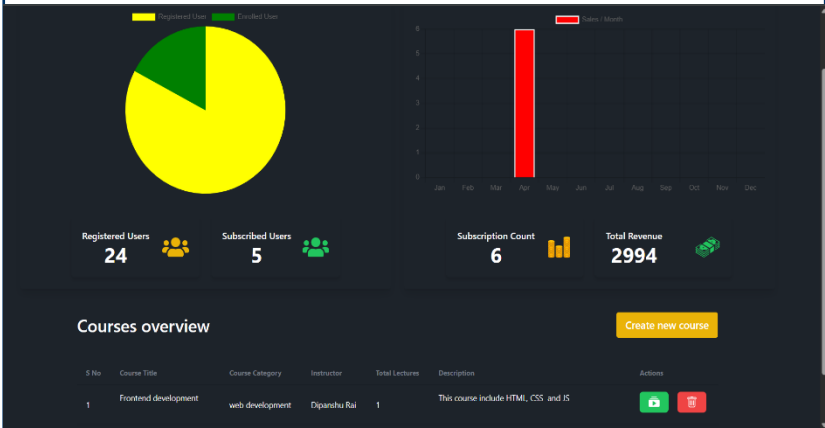- **Integrations**: Razorpay (Payments), Cloudinary (Files), Chart.js (Viz).

Features
- **User & Admin Roles**: Distinct access levels and capabilities.
- **Secure JWT Authentication**: Protects user accounts and sessions.
- **Course/Lecture Management**: Full CRUD operations for Administrators.
- **Integrated Razorpay Payments.**
- **Admin Analytics Dashboard**: Visual insights into users, revenue, and sales.
- **Responsive User Interface**: Adapts todifferent screen sizes (Built with React/Tailwind/DaisyUI).
- **User Profile Management**: Allows users to update info and view status.

Video Link :
https://drive.google.com/file/d/1sNktgoHo48LMQ9SpruxzaFyTsyFU_Gsm/view?usp=sharing

Admin Dashboard

Conclusion
Coursify successfully tackles high e-learning costs with its affordable all-access subscription on a secure MERN platform. A practical demonstration of modern web development addressing a real market need.