

## 1. Project Setup & Authentication

- Tech stack setup (React/Next.js + Node.js/Express + MongoDB/PostgreSQL)
  - User authentication (Sign up, login, logout)
  - Role-based access control (Student, Instructor, Admin)
  - JWT/Session handling
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## 2. User Profile & Dashboard

- Student dashboard (enrolled courses, progress)
  - Instructor dashboard (uploaded courses, analytics)
  - Profile management (name, photo, bio, password change)
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## 3. Course Creation (Instructor Panel)

- Form to add new courses
  - Upload course thumbnail & description
  - Add pricing, category, and tags
  - Draft & publish options
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## 4. Video Upload & Management

- Video upload system (via cloud storage like AWS S3)
  - Lesson/section organization
  - Edit, delete, reorder lessons
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## 5. Course Browsing & Search

- Homepage with featured courses
  - Category & filter system
  - Search with keywords
  - Pagination or infinite scroll
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## 6. Course Details Page

- Course preview video
- Curriculum/lesson list
- Instructor info

- Ratings & reviews
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## **7. Payment & Enrollment**

- Payment gateway integration (Razorpay, Stripe, PayPal)
  - Order history
  - Enrollment tracking
  - Access control (only enrolled users can watch videos)
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## **8. Video Player & Learning Experience**

- Custom video player (play, pause, speed control, captions)
  - Progress tracking
  - Notes & resources download
  - Discussion/Q&A section
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## **9. Reviews & Ratings**

- Students can post ratings and feedback
  - Display average ratings on course cards
  - Review moderation for admins
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## **10. Admin Panel**

- Manage users (block/unblock, assign roles)
- Manage courses (approve, delete, edit)
- View reports (sales, active students, top courses)
- Analytics dashboard