ExamBuddy – Complete API Documentation

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About the Project:

ExamBuddy is a smart academic resource platform built to help students easily access previous year papers, answer keys, and YouTube tutorials in a structured course-wise and semester-wise hierarchy. This backend provides secure APIs for authentication, content management, and paper uploads using Node.js, Express, MongoDB, Cloudinary, and JWT authentication.

Base URL: https://api.exambuddy.vercel.app/api

Tech Stack

Node.js + Express.js	Backend Framework
MongoDB + Mongoose	Database
Cloudinary	File Uploads (images, PDFs)
Brevo (SendInBlue)	Email Sending (OTP verification)
JWT	Authentication Token
Multer	File Upload Middleware

Authentication Flow

All protected routes (except register, login, OTP, and password reset) require a JWT token in headers:
Authorization: Bearer <your_token>

Authentication APIs

1   Register User

Field	Type	Required	Description
name	String		Full name
email	String		User email
password	String		Password
course	String		Course name or ID
phone	String		Phone number
profile	File		Optional profile image (jpg/png)

Response:
{"message": "OTP sent to email"}

Frontend Notes: Always send JWT tokens in headers for protected routes. File uploads must use multipart/form-data. Maintain chain relation of Course   Semester

Subject   Paper using MongoDB IDs.