BAC Backend Project Requirement

1. Authentication
☐ **Student**
- Student can login and logout
- Password update

☐ **Mentor**
- Teacher can login and logout
- Password update

☐ **Admin**
- Admin can login and logout
- Password update

2. Profile Management
☐ **Student**
- Manage and Update their Profile

☐ **Mentor**
- Manage and Update their Profile

☐ **Admin**
- Manage and Update their Profile

3. Academic Management
☐ **Student**
- Can enroll course
- View Class routine
- View Record Video
- View Notice
- View Exam Result

☐ **Mentor**
- Manage Exam

- Mange Class routine
- Mange record video
- Manage exam and result

☐ **Admin**
- Manage Student
- Manage teacher
- Manage Course
- Manage Category

4. User Management
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☐ **Admin**
- Manage Account
- Manage Password
- Block delete user

Data Modeling

User:

- _id: string;
- id: string;
- password: string;
- isPasswordChanged: boolean;
- role: 'student' | 'mentor' | 'admin';
- status: 'active' | 'blocked' | 'pending';
- isDeleted: boolean;
- createdAt: Date;
- updatedAt: Date;

Student:

- _id: string;
- id: string;
- name: string;
- gender: 'male' | 'female' | 'other'; gender
- dateOfBirth: string;
- email: string;
- contactNo: string;
- emergencyContact: string;
- address: string;
- guardian: string;
- profileImg: string;
- courseName: string;
- createdAt: Date;
- updatedAt: Date;

Mentor:
- _id: string;
- id: string;
- name: string;
- gender: 'male' | 'female' | 'other';
- dateOfBirth: string;
- email: string;
- contactNo: string;
- emergencyContact: string;
- address: string;
- profileImg: string;
- designation: string;
- departmentName: string;
- specialized_area: string[];
- education_qualification: string[];
- workExperience: string[];
- experienceYears: string;
- experienceTrainedStudents: string;
- reviews: number;
- bio: string;
- lifeJourney: string;
- createdAt: Date;
- updatedAt: Date;

Admin:
- _id: string;
- id: string;
- name: string;
- gender: 'male' | 'female' | 'other';
- dateOfBirth: string;
- email: string;
- contactNo: string;

- emergencyContact: string;
- address: string;
- profileImg: string;
- status: 'active' | 'inactive' | 'pending';
- managementDepartment: string;
- createdAt: Date;
- updatedAt: Date;

Course:

- id: number
- title: string
- slug: string
- category: string
- type: string
- image: string
- fee: string
- rating: number
- totalRating: number
- totalStudentsEnroll: number
- mentorName: string
- mentordesignation: string
- mentorSubject: string
- mentorImg: string
- mentorReviews: number
- mentorExperience: string
- mentorBio: string
- technology: string
- courseStart: string
- durationMonth: number
- lectures: number
- totalExam: number
- totalProject: number
- details: string
- courseOverview: string
- curriculum: string[]
- courseIncludes: { icon: string; text: string }[]
- softwareYoullLearn: string[]
- jobPositions: string[]

Category:
- id: number;
- name: string;
- slug: string;
- icon: string;

SeminarEvent
- id: number;
- speaker: string;
- title: string;
- date: string; // ideally in ISO format YYYY-MM-DD
- time: string; // 24-hour format HH:mm
- image: string;

Certification

- id: string;
- name: string;
- image: string;
- phoneNumber: string;
- email: string;
- studentId: string;
- courseName: string;
- batchName: string;

Student Review

- id: string;
- title: string;
- studentName?: string;
- studentImg?: string;
- description?: string;
- date?: string;
- videoUrl?: string;