### User Schema

```
- fullName - email - mobile - password - role - profileImage - gender - dob -
address - goals - emailVerified - mobileVerified - isActive - enrolledCourses:
[CourseID] - savedFlashcards: [FlashcardID] - downloadedLectures: [LectureID] -
preferredVideoSettings: { speed, quality, audioOnly } - otpVerification: { code,
expiresAt, type } - isKycVerified - createdAt - updatedAt
```

### Course Schema

```
- title - slug - description - level: ["School", "Competitive", "Professional"] -
classLevel - board - examTrack - category - price - discount - isLive - isPaid -
duration - teacherIds: [TeacherID] - language - validityInDays - courseThumbnail -
tags: [String] - modules: [ModuleID] - testSeries: [TestSeriesID] - flashcards:
[FlashcardID] - notes: [EbookID] - studentsEnrolled: [UserID] - goalId -
enrollmentCount - featured - visibility: ["public", "private", "draft"] - rating -
createdAt - updatedAt
```

#### Lecture Schema

```
- moduleId - title - videoUrl - type: ["live", "recorded"] - isFree - isDownloadable
- thumbnail - viewCount - duration - availableFrom - availableTill - liveSessionLink
- resourceLinks: [URL] - playbackSettings: { speedOptions: [0.5, 1, 1.5, 2, 3],
audioOnlyAvailable: Boolean } - analytics: { views, avgWatchTime } - createdAt -
updatedAt
```

# VideoWatchLog Schema

```
- userId - lectureId - watchedDuration - lastPlayedAt - lastPlayedPositionInSec -
completed: Boolean
```

## TestSeries Schema

```
- courseId - title - description - tests: [TestID] - type: ["PYQ", "Mock",
"All-India"] - difficulty: ["Easy", "Medium", "Hard"] - attemptLimit - passingMarks
- certificateEligible: Boolean - visibleFrom - visibleTill - attemptedBy: [UserID] -
startDate - endDate - createdAt
```

### **Test Schema**

```
- testSeriesId - title - instructions - duration - totalMarks - questions:
[QuestionID] - shuffleQuestions: Boolean - negativeMarking: Boolean -
allowCustomCreation: Boolean - sectionWiseTimeLimit: Boolean -
questionShuffleConfig: { enable, perSection } - maxAttempts
```

# TestAttempt Schema

```
- userId - testId - score - rank - percentage - accuracy - timeTaken - responseLog -
isSubmitted - submittedAt - attemptedAt
```

#### Doubt Schema

```
- userId - courseId - lectureId - text - imageUrl - answeredBy: TeacherID -
answerText - status: ["open", "answered"] - isResolved: Boolean - upvotes - comments
- attachments: [URL] - resolvedAt - createdAt
```

# **Discussion/Comment Schema**

```
- lectureId - userId - message - parentId - likes - attachments - commentCount -
isPinned - isDeleted - reportedBy: [UserID] - replies: [CommentID] - createdAt
```

## Certificate Schema

```
- userId - courseId - certificateUrl - certificateNumber - verified: Boolean -
issueDate - qrCodeUrl - templateType - downloadCount - downloadedAt
```