

assignmentSubmission	
PK	id: BIGINT
FK1	assignmentId: BIGINT
FK2	moduleId: BIGINT
FK3	studentId: BIGINT
	fileURL: STRING
	fileName: STRING
	mimeType: STRING
	fileSize: INTEGER
	textContent: TEXT
	submittedAt: DATE
	isLate: BOOLEAN
	grade: FLOAT
	feedback: TEXT

ModuleProgress	
PK	id: BIGINT
FK1	studentId: BIGINT
FK2	courseId: BIGINT
FK3	moduleId: BIGINT
	status: ENUM (note 5)
	completedAt: DATE
	score: FLOAT

LessonProgress	
PK	id: BIGINT
FK1	studentId: BIGINT
FK2	courseId: BIGINT
FK3	moduleId: BIGINT
	status: ENUM (note 4)
	completedAt: DATE
	score: FLOAT

CourseProgress	
PK	id: BIGINT
FK1	studentId: BIGINT
FK2	courseId: BIGINT
	status: ENUM (note 3)
	completedAt: DATE
	score: FLOAT

Tags	
PK	id: BIGINT
	name: STRING
	bgColor: STRING
	textColor: STRING
	borderColor: STRING
FK1	calendarId: BIGINT
FK2	userId: BIGINT

Calendar	
PK	id: BIGINT
	title: STRING
	description: TEXT
	createdDate: DATE
	startTime: DATE
	endTime: DATE
	tag: ENUM (note 2)
FK1	userId: BIGINT
FK2	courseId: BIGINT

Resources	
PK	id: BIGINT
FK1	courseId: BIGINT
FK2	moduleId: BIGINT
	title: STRING
	description: TEXT
	fileURL: STRING
	fileName: STRING
	mimeType: STRING
	fileSize: INTEGER
	uploadedAt: DATE

Modules	
PK	id: BIGINT
FK1	courseId: BIGINT
	title: STRING
	description: STRING
	order: INTEGER
	imageUrl: STRING

Courses	
PK	id: BIGINT
	title: STRING
	category: STRING
	categoryColor: STRING
FK1	instructorId: BIGINT
	enrollCode: STRING
	image: TEXT
	description: TEXT
	startDate: DATE
	endDate: DATE
	schedule: STRING
	status: STRING

Tasks	
PK	id: BIGINT
FK1	userId: BIGINT
	title: STRING
	time: TIME
	category: STRING
	icon: STRING
	description: TEXT
	priority: STRING
	status: STRING
	dudeDate: DATE

FlashCards	
PK	id: BIGINT
FK1	setId: BIGINT
	frontText: TEXT
	backText: TEXT
	fileURL: STRING
	fileName: STRING
	mimeType: STRING
	fileSize: INTEGER

FlashcardReview	
PK	id: BIGINT
FK1	userId: BIGINT
FK2	flashcardId: BIGINT
	reviewedAt: DATE
	grade: STRING
	interval: INTEGER
	easeFactor: FLOAT
	nextReview: DATE
	repetition: INTEGER

FlashcardSets	
PK	id: BIGINT
	title: STRING
	description: TEXT
FK1	userId: BIGINT
	isPublic: BOOLEAN
	counts: INTEGER

Lessons	
PK	id: BIGINT
FK1	moduleId: BIGINT
	title: STRING
	duration: TIME
	completed: BOOLEAN
	contentURL: STRING
	contentData: TEXT
	type: STRING
	order: INTEGER

Assignments	
PK	id: BIGINT
FK1	moduleId: BIGINT
	title: STRING
	dueDate: DATE
	status: ENUM (note 1)
	description: TEXT

AssignmentUpload	
PK	id: BIGINT
FK1	assignmentId: BIGINT
	fileURL: STRING
	fileName: STRING
	mimeType: STRING
	fileSize: INTEGER
	uploadedAt: DATE
	createdAt: DATE
	updatedAt: DATE

AssignmentFeedback	
PK	id: BIGINT
FK1	assignmentId: BIGINT
FK2	studentId: BIGINT
FK3	authorId: BIGINT
	grade: STRING
	comment: TEXT
	strengths: TEXT
	improvements: TEXT

Invitations	
PK	id: BIGINT
FK1	courseId: BIGINT
	email: STRING
	token: STRING
	status: STRING
	expiredAt: DATE

CoursesEnrollments	
PK	id: BIGINT
FK1	courseId: BIGINT
FK2	studentId: BIGINT
	enrollmentDate: DATE
	progress: INTEGER
	total: INTEGER
	grade: STRING(2)
	lastAccessed: DATE
	completionDate: DATE

Comments	
PK	id: BIGINT
FK1	discussionId: BIGINT
FK2	courseId: BIGINT
FK3	authorId: BIGINT
FK4	parentId: BIGINT
	isEdited: BOOLEAN
	createdAt: DATE
	updatedAt: DATE

Announcements	
PK	id: BIGINT
	title: STRING
	message: TEXT
FK1	courseId: BIGINT
FK2	authorId: BIGINT
	isPinned: BOOLEAN

Replies	
PK	id: BIGINT
FK1	discussionId: BIGINT
	content: TEXT
FK2	authorId: BIGINT
	createdAt: DATE
	updatedAt: DATE

vote	
PK	id: BIGINT
FK1	userId: BIGINT
FK2	commentId: BIGINT
	voteType: INTEGER
FK3	postId: BIGINT

Discussions	
PK	id: BIGINT
FK1	courseId: BIGINT
	title: STRING
	content: TEXT
FK2	authorId: BIGINT
	createdAt: DATE
	lastActivity: DATE
	isPinned: BOOLEAN

DiscussionTags	
PK	id: BIGINT
FK1	discussionId: BIGINT
	tag: STRING

