Quyida **"Online Course Platform"** uchun ma'lumotlar bazasi (DB) tuzilmasi sxemasini yozma shaklda taqdim etaman:

**📘 Entity: User**

| **Field** | **Type** |
| --- | --- |
| id | Long (Primary Key) |
| first\_name | String |
| last\_name | String |
| email | String (Unique) |
| password | String |
| role | Enum(STUDENT, TEACHER, ADMIN) |

**📘 Entity: Course**

| **Field** | **Type** |
| --- | --- |
| id | Long (Primary Key) |
| title | String |
| description | Text |
| price | Double |
| teacher\_id | FK → User(id) |

**📘 Entity: Lesson**

| **Field** | **Type** |
| --- | --- |
| id | Long (Primary Key) |
| course\_id | FK → Course(id) |
| title | String |
| video\_url | String |
| content | Text |

**📘 Entity: Enrollment (ro'yxatdan o'tish)**

| **Field** | **Type** |
| --- | --- |
| id | Long (Primary Key) |
| user\_id | FK → User(id) |
| course\_id | FK → Course(id) |
| enrolled\_at | DateTime |

**📘 Entity: Payment**

| **Field** | **Type** |
| --- | --- |
| id | Long (Primary Key) |
| user\_id | FK → User(id) |
| course\_id | FK → Course(id) |
| amount | Double |
| paid\_at | DateTime |
| status | Enum(PENDING, SUCCESS, FAILED) |

Bu tuzilma bilan:

* Har bir foydalanuvchi roli bo‘yicha farqlanadi
* Har bir kursda bir nechta darslar bo'lishi mumkin
* Foydalanuvchilar kursga yoziladi va to‘lov qiladi

Agar xohlasangiz, bu tuzilma asosida Spring Boot loyihasi uchun:

* Entity klasslarini
* Repository, Service, Controller qatlamlarini
* DTO’larni

tayyorlab berishim mumkin. Boshlaymizmi?