LH_ERD

1. User

- `user_id` (PK)
- `username`
- `email`
- `password`
- `role` (`'user'` or `'admin'`)
- `category_followed` (nullable – NULL for admins)

Each **regular user** can follow **up to 2 categories** (we'll model this with a separate join table below).

2. Category

- `category_id` (PK)
- `category_name`

3. Post

- `post_id` (PK)
- `type` (ENUM: `"article"`, `"video"`, `"audio"`)
- `category_id` (FK to Category)
- `user_id` (FK to User)

4. UserCategory (join table for user-category following)

- `user_id` (FK to User)
- `category_id` (FK to Category)

Only regular users will have rows in `UserCategory`, max 2 per user.

Relationships Summary

- A **User** can create many **Posts**.
- A **Post** belongs to one **Category** and one **User**.
- A **User** (role = 'user') can follow up to **2 Categories** via the `UserCategory` table.

what about admin feature of deleting user or post?

Since **admins can delete any user or post**, this is more of a **permission/authorization rule**, not a structural relationship that needs to appear directly in the ERD unless:

ERD:

ERD Diagram (Top)

User
user_id	🔑 UNIQUEIDENTIFIER
username	🔍 NVARCHAR(50)
email	🔍 NVARCHAR(100)
password	NVARCHAR(255)
role	VARCHAR(10)
created_at	DATETIME2
updated_at	DATETIME2

UserCategory
user_id	UNIQUEIDENTIFIER
category_id	UNIQUEIDENTIFIER
created_at	DATETIME2

— 100% +

Category
category_id	🔑 UNIQUEIDENTIFIER
category_name	🔍 NVARCHAR(50)
created_at	DATETIME2

Post
post_id	🔑 UNIQUEIDENTIFIER
type	VARCHAR(10)
title	NVARCHAR(255)
category_id	UNIQUEIDENTIFIER
user_id	UNIQUEIDENTIFIER
created_at	DATETIME2
updated_at	DATETIME2

ERD Diagram (Bottom)

Categories
🔑	category_id
	category_name
	created_at

UserCategory
🔑	user_id
🔑	category_id
	created_at

Users
🔑	user_id
	username
	email
	password
	role
	created_at
	updated_at

Posts
🔑	post_id
	type
	title
	[content]
	category_id
	user_id
	created_at
	updated_at