

LH_ERD

1. Users

- `user_id` (string, PK)
- `username` (string)
- `email` (string)
- `password` (string)
- `role` (string) - values: 'user' or 'admin'
- `created_at` (timestamp)

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

2. Categories

- `category_id` (string, PK)
- `category_name` (string)
- `created_at` (timestamp)

3. Posts

- `post_id` (string, PK)
- `type` (string) - values: "article", "video", "audio"
- `title` (string)
- `content` (string)
- `media_url` (string)
- `cloudinary_public_id` (string) - new field for media management
- `category_id` (string, FK to Categories)
- `user_id` (string, FK to Users)
- `created_at` (timestamp)

4. UserCategory (join table)

- `user_id` (string, PK/FK to Users)
- `category_id` (string, PK/FK to Categories)
- `created_at` (timestamp)

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

5. SeenPosts (new table)

- `user_id` (string, PK/FK to Users)
- `post_id` (number, PK/FK to Posts)
- `seen_at` (timestamp)

Relationships Summary

- **User-Post Relationship:**
 - A User can create many Posts (one-to-many)
 - A Post belongs to exactly one User
- **Post-Category Relationship:**
 - A Post belongs to exactly one Category (many-to-one)
 - A Category can have many Posts
- **User-Category Relationship** (through UserCategory):
 - A regular User (role='user') can follow up to 2 Categories
 - A Category can be followed by many Users
 - Admins (role='admin') don't appear in this table
- **User-Post View Tracking** (through SeenPosts):
 - A User can view many Posts (many-to-many)
 - A Post can be viewed by many Users
 - Tracks when a user has seen a post

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:

