1. User

- **PK:** `user_id`
- **Attributes:**
  - `username` (unique, not null)
  - `email` (unique, not null)
  - `password_hash` (not null)
  - `role` (USER or MODERATOR)
  - `created_at` (timestamp)

2. Recipe

- **PK:** `recipe_id`
- **Attributes:**
  - `title` (≤100 chars, not null)
  - `ingredients` (text, not null) ← stored as multi-line text
  - `instructions` (text, not null)
  - `prep_time_minutes` (integer, not null)
  - `cook_time_minutes` (integer, not null)
  - `image_path` (string, not null)
  - `upload_date` (timestamp, not null)
  - `status` (string, not null, default "APPROVED")
  - **Derived:** `average_rating` (float, nullable)
  - **FKs:**
    - `uploader_id` → `User.user_id`
    - `category_id` → `Category.category_id`

3. Rating

- **PK:** `rating_id`
- **Attributes:**
  - `stars` (1–5, not null)
  - `rated_at` (timestamp, not null)
- **FKs:**
  - `rater_id` → `User.user_id`
  - `recipe_id` → `Recipe.recipe_id`
- **Constraint:** unique(`rater_id`, `recipe_id`)

4. Category

- **PK:** `category_id`
- **Attributes:**
  - `name` (unique, not null)

5. Tag

- **PK:** `tag_id`
- **Attributes:**
  - `name` (unique, not null)

6. Recipe_Tag (associative)

- **PK:** composite (`recipe_id`, `tag_id`)
- **FKs:**
  - `recipe_id` → `Recipe.recipe_id`
  - `tag_id` → `Tag.tag_id`

Recepie_Tak and Rating are tables which is created because of many-to-many relationships, without this tables we can't indetify which user rates which recepie and which recepie has which tag, without this we will forget some informations.
Everything is described on ER model: