



Pen & Pixel

BLENDING CLASSIC WRITING WITH THE DIGITAL AGE



User

FUNCTIONALITIES

WHAT DOES IT DO?

- Retrieve a user by their id
- Retrieve a user by their email
- Check for existing user and create a new one if not found
- Check for user by password and update their username
- Check for user by username and update their password



Post

FUNCTIONALITIES

WHAT DOES IT DO?

- Retrieve all posts, join user and category, count comments with subquery
- Retrieve one post with user, category, comments
- Insert a new post with title, content, category_id, and user_id
- Update title, content, category_id, and updated_at for a specific post
- Delete a post



Comments

FUNCTIONALITIES

WHAT DOES IT DO?

- Retrieve all comments
- Retrieve comment by its id
- Create a comment linked to a post
- Update the content of a comment
- Check if the comment exists, and delete it



Category

FUNCTIONALITIES

WHAT DOES IT DO?

- Retrieve all categories
- Create a new category
- Update a category's fields
- Check for the category by id and delete it

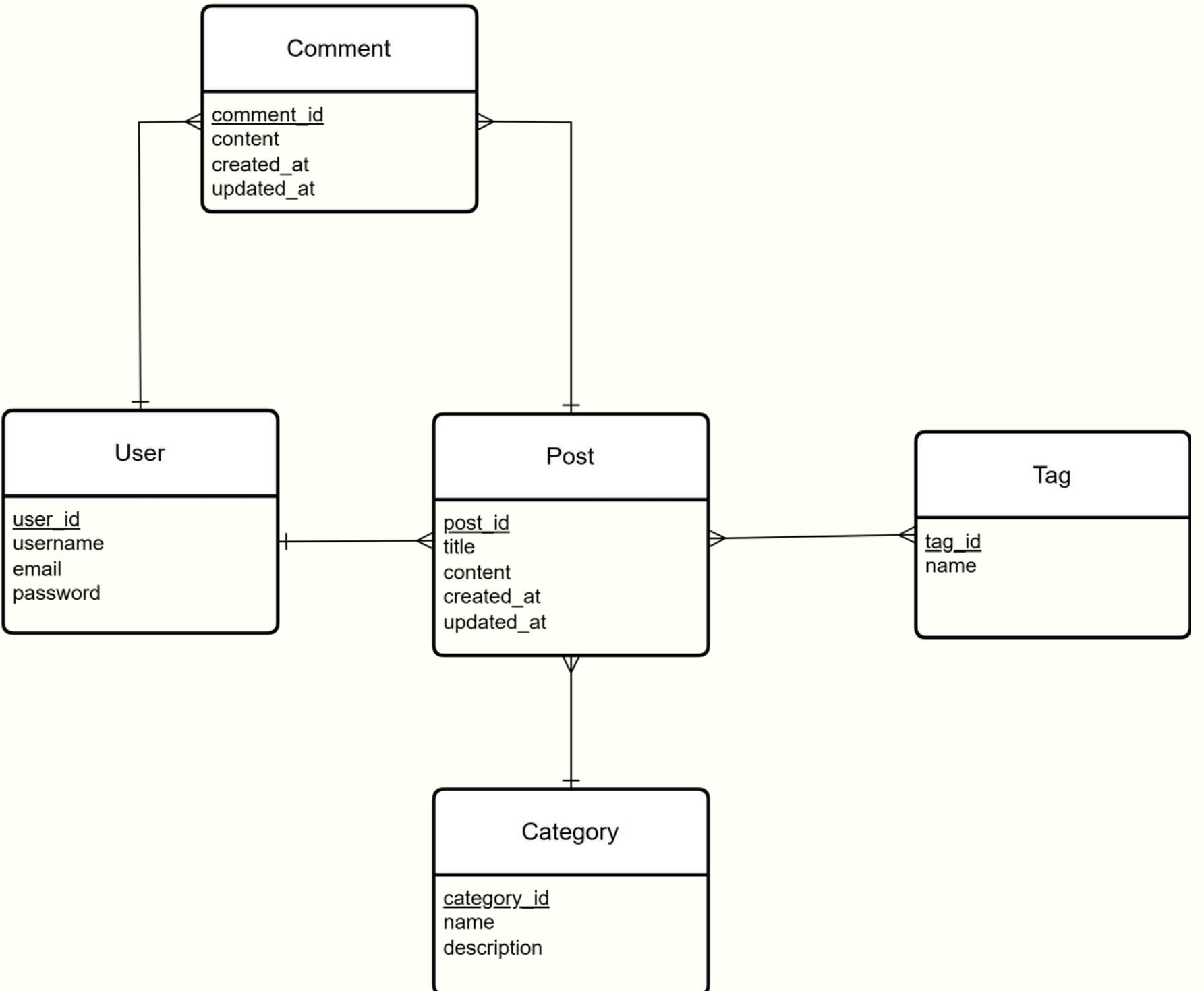


Tags

FUNCTIONALITIES

WHAT DOES IT DO?

- Retrieve all tags
- Retrieve a tag by its id and include its associated post
- Check for an existing tag by name
- Update and delete tag
- Link a tag to a post by checking existence or creating a new tag
- Dissociate a tag from a post



ER Diagram



Live Demo





Thank you.