

Conversion to relation

image_table(image_id, user_id, post_id, image_path, upload_date).

login_table(login_id, user_id, login_time, logout_time, first_name, last_name, birthdate)

post_like(like_id, user_id, post_id, like_time).

user_post(post_id, user_id, post_content, created_at, update_at)

user_register(user_id, username, email, password_has, first_name, middle_name, last_name, birthdate, created_at, update_at, authorization_token, application_name)

Functional dependencies

1. `image_table`:

- `image_id` → `user_id, post_id, image_path, upload_date`
- `user_id, post_id` → `image_id, image_path, upload_date`

2. `login_table`:

- `login_id` → `user_id, login_time, logout_time, first_name, last_name, birthdate`
- `user_id` → `login_id, login_time, logout_time, first_name, last_name, birthdate`

3. `post_like`:

- `like_id` → `user_id, post_id, like_time`
- `user_id, post_id` → `like_id, like_time`

4. `user_post`:

- `post_id` → `user_id, post_content, created_at, update_at`
- `user_id` → `post_id, post_content, created_at, update_at`

5. `user_register`:

- `user_id` → `username, email, password_hash, first_name, middle_name, last_name, birthdate, created_at, update_at`

- `username, email` → `user_id, password_hash, first_name, middle_name, last_name, birthdate, created_at, update_at`

- `authorization_token` → `user_id, application_name`