Features of a website

- Users email and password
- img.url, and string
- Strings with
- Default key
- Default key, strings,

User
- Username
- User_email
- User_password
- User's location
- User phone number

Comments
- Comments (commenter, post being commented on)
- Post being commented on
- Comment content

Posts
- User_posts
- User_photos
- Post's pictures
- Post time/date

Groups
- Group_name
- Group_posts
- Group_members
- Group_info

Who's following who

User Table

- User email
- User name
- User password
- User's country
- User's phone number

Posts Table

- Author of post
- Post text
- Post photo
- Time of post
- Is a group post (true/false)

Groups Table

- Group name
- Group members

Comments

- Content of comment
- Post being commented on
- Author of comment

UserGroups

- User's id
- Group id

Following

- The follower
- The person being followed

Groupposts

- Group id
- Post id

RELATIONSHIPS
- One to one
  - Group ===> admin
- One to man
  - Follower ===> Following
  - Comment===>Post
  - User===>post
  - Post ===> group
- Many to many
  - Users ===> groups

```
CREATE TABLE user(
  user_id SERIAL PRIMARY  KEY,
  user_name VARCHAR(50),
  user_email VARCHAR(50),
  user_password VARCHAR(500),
  user_country VARCHAR(50),
  user_phone INT
  );

CREATE TABLE user(
  user_id SERIAL PRIMARY  KEY,
  user_name VARCHAR(50),
  user_email VARCHAR(50),
```

```sql
  user_password VARCHAR(500),
  user_country VARCHAR(50),
  user_phone INT
  );

CREATE TABLE posts(
  post_id SERIAL PRIMARY KEY,
  user_id INT NOT NULL REFERENCES user(user_id),
  photo_url TEXT,
  post_time TIMESTAMP,
  is_group_post BOOLEAN DEFAULT false
);

CREATE TABLE groups(
  group_id SERIAL PRIMARY KEY,
  group_name VARCHAR(50),
  group_description VARCHAR(1000)
);

CREATE TABLE comments(
  comment_id SERIAL PRIMARY KEY,
  post_id INT NOT NULL REFERENCES posts(post_id),
  user_id INT NOT NULL REFERENCES user(user_id),
  comment_content TEXT
  );

CREATE TABLE user_groups(
  user_group_id SERIAL PRIMARY KEY,
  user_id INT NOT NULL REFERENCES user(user_id),
  group_id INT NOT NULL REFERENCES groups(group_id)
  );

CREATE TABLE following(
  follow_id SERIAL PRIMARY KEY,
  follower_id INT NOT NULL REFERENCES user(user_id),
  following_id INT NOT NULL REFERENCES user(user_id)
  );

CREATE TABLE group_posts(
  group_post_id SERIAL PRIMARY KEY,
  group_id INT NOT NULL REFERENCES groups(group_id),
  post_id INT NOT NULL REFERENCES posts(post_id)
  );
```