1. Installation
    a. Install python and django
        https://www.python.org/downloads/
        https://docs.djangoproject.com/en/3.0/topics/install/
    b. Create virtual environment
        vrtualenv django
        cd django
        scripts/activate.bat
    c. Install django
        pip install django
    d. Copy repository
        create directory in the same directory as django virtualenv: my_blog_szt
        cd my_blog_szt
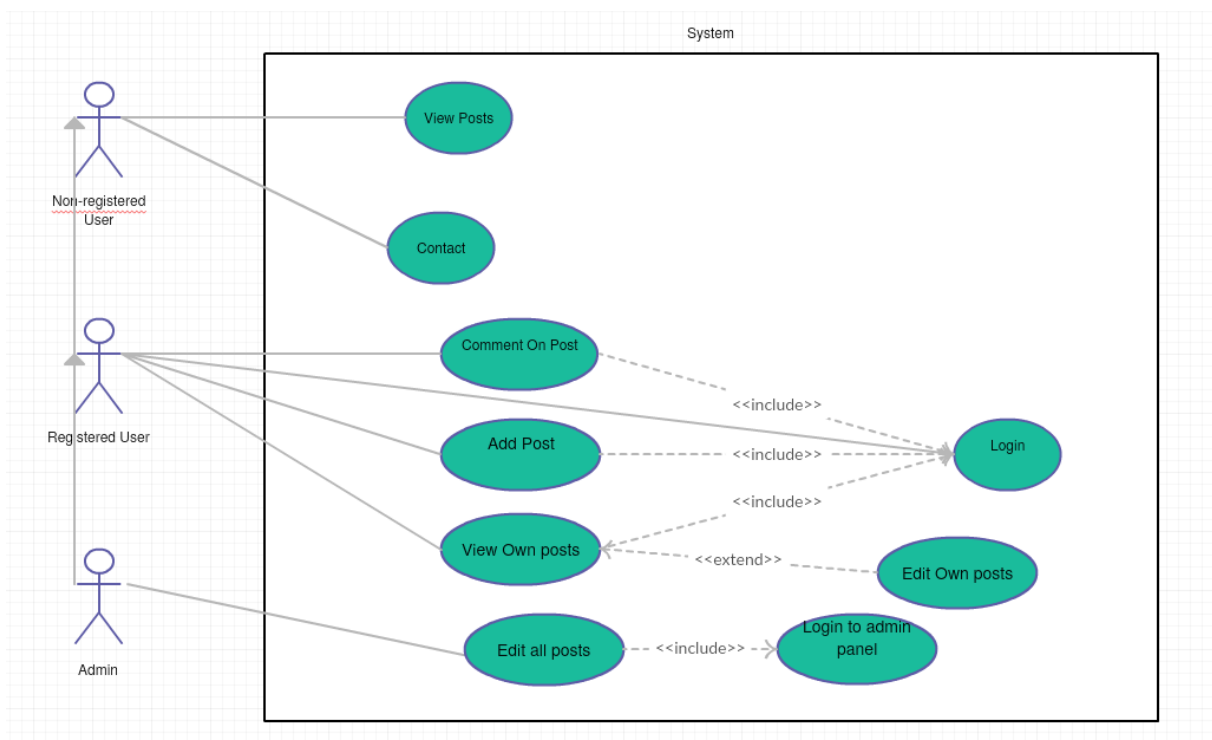   git clone https://gitlab.cs.put.poznan.pl/inf127227/SZT-blog.git
    e. Run
        pip install djangorestframework
        pip install djangorestframework
        python manage.py createsuperuser
        python manage.py runserver
    f. Go to localhost:8000/admin or localhost:8000/blog
2. Repository
        https://gitlab.cs.put.poznan.pl/inf127227/SZT-blog.git
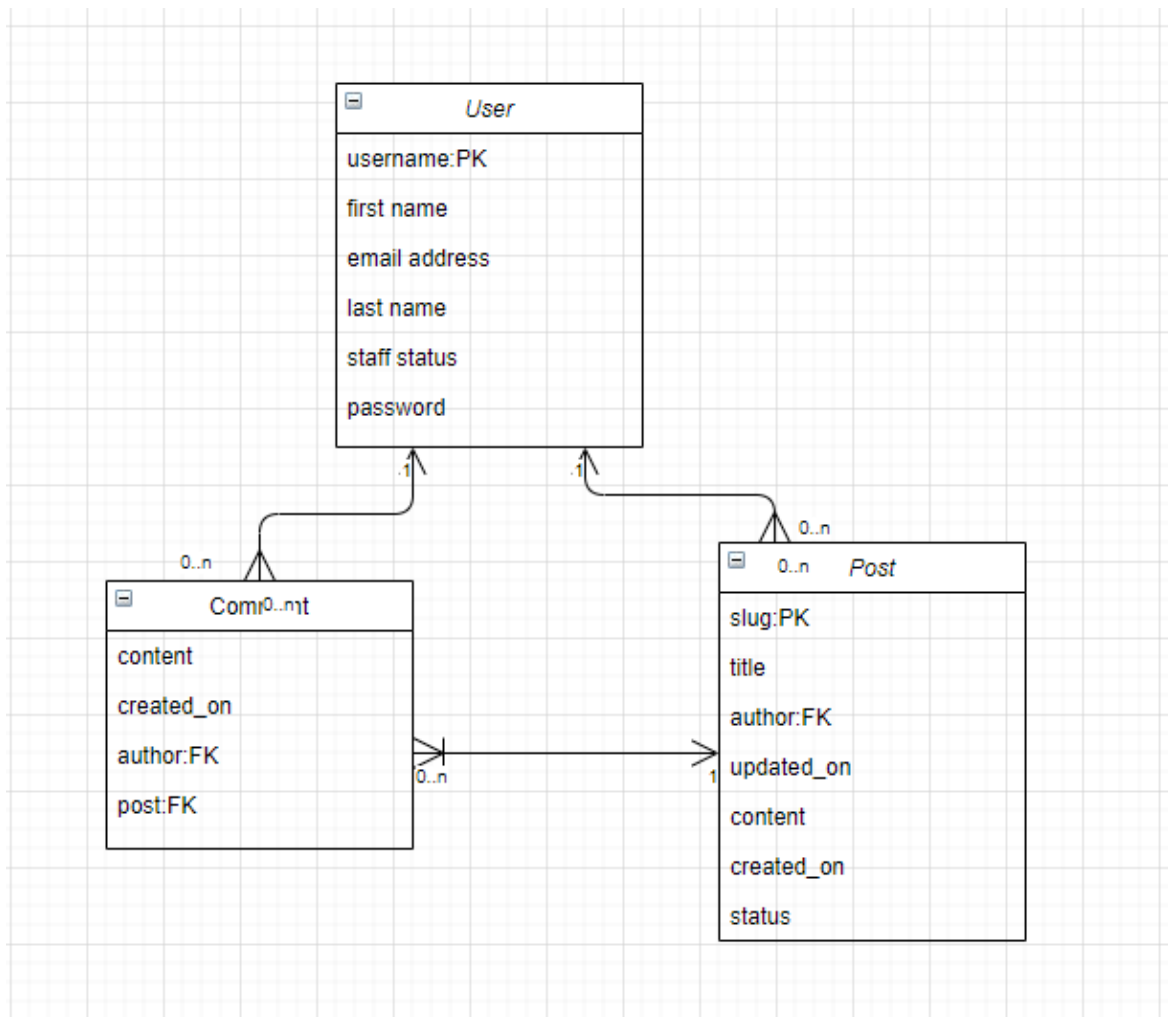3. Use case diagram

4. Database diagram

User – Staff status is boolean value, if it equals true it means that this user is also admin. Other tuples are strings.

Post:

- created_on –date of publication
- updated_on – date of last update
- content – body of post
- status – draft(0) or publish(1)
- author – foregin key to User
- title
- sług

Comment:

- content – body of comment
- created_on – date of publication
- author – foregin key to User
- post – foregin key to Post

One Post can have 0 or many Comments. One User can write many Posts and Comments.

5. Structure

The system works like a regular blog. As an admin, you can log into the django administration panel, as a regular user you can register and log in and then create and edit your posts. As an unregistered user, you can only view posts published by other users. Each user can also contact the administrator via the contact form.

6. Modules

My_blog_szt – main app, contains settings.py, url to others apps and to admin panel

Accounts – app for login/register users

Blog – app for manage whole blog, contains model of Post and Comment

7. Roles

Logged – list all published posts, list own posts, edit own posts, write new post

Admin – logged and have access to django admin panel

Anonymous – list all published posts, register, log in , contact

8. Instruction for users

Anonymous

Open the website. On main page you will see all published posts. You can read whole post after choose button „Read More". If you want to draw some new post you should log in or sign up.

You can contact with administration by contact page. Enter all data : name, email and message and choose submit button.

Logged

- New article: Complete the form, choose draft or publish and select the „Create" button.
- My posts: You will see list of your posts. You can edit post by select the „Edit this post" button. Complete the form and select „Submit" button. Now you gonna see the post details.
- You can not delete post but you can change them to draft so nobody expect you gonna see it.

Admin

- Log in to django admin panel to manage the database and whole app
- To become an admin you must be added by another admin

9. Technology

Python 3.8.0

Django 2.2.7