

Author

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Myself : I am in my last term of diploma and much more excited to complete this project.

Looking forward to learn more in this area. Other than application development i am passionate in the machine learning practice field.

Description

I have created a multi user application in which they can post their blog, write comment in other blog, follow/unfollow other user, like blogs and design the User dashboard and posts management. I have written code for the CRUD related API for users and posts.

Technologies used

These are the required libraries that I used for creating this application.

1. Flask – Framework for application
2. Flask-Login – User login/logout
3. Flask-Migrate – Changing the database
4. Flask-RESTful – Adding API functionality
5. Flask-Security – Session based authentication
6. Flask-SQLAlchemy – Interacting with database in the application
7. Flask-CKEditor – Editor in for writing blog and embedding an image url in post
8. Jinja2 – Dynamic web page rendering
9. Werkzeug – Generating and matching hashed password
10. WTForms – Schema of forms for putting data into database

API Design

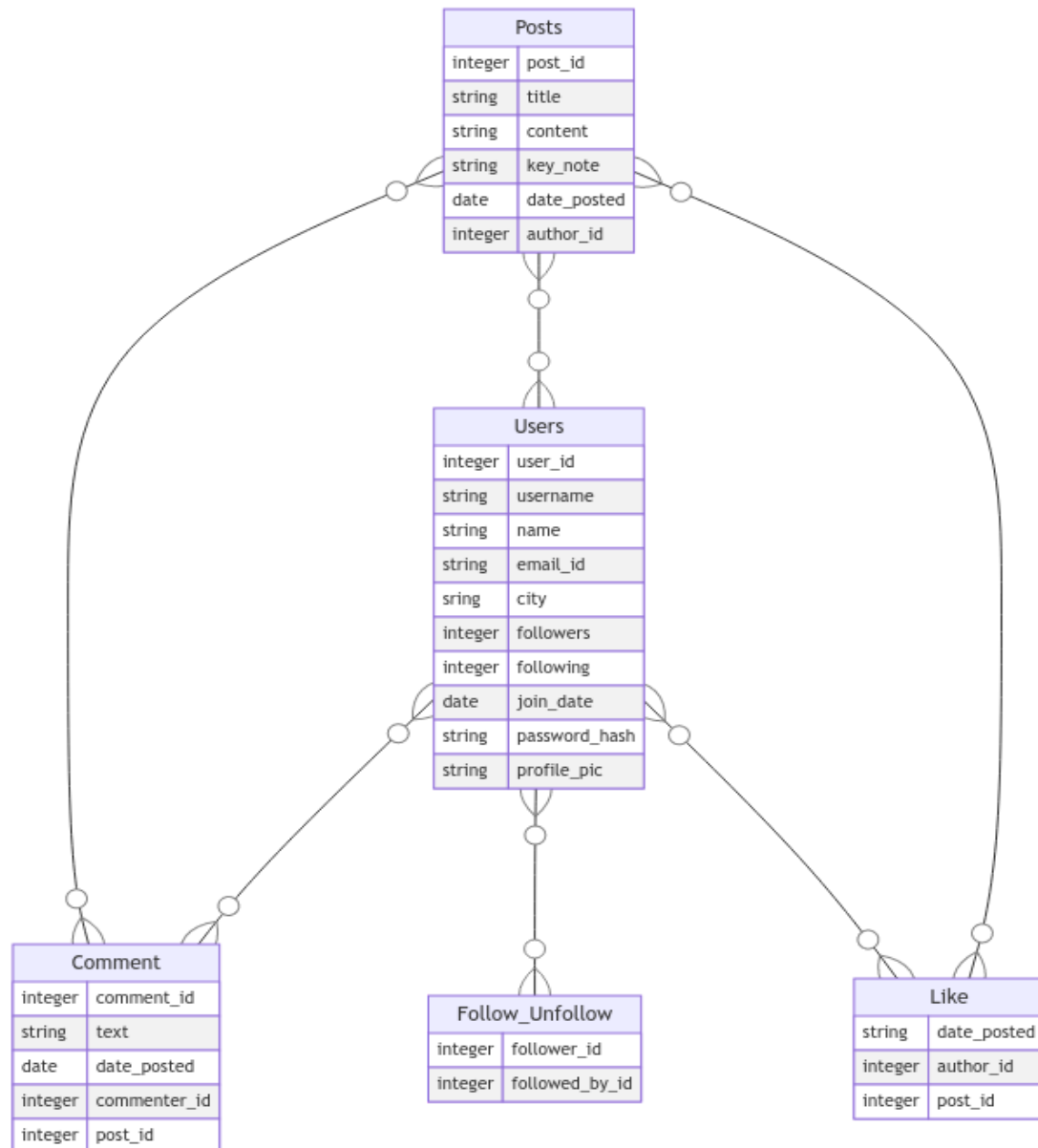
I created API for users and posts tables, through which we can create, read, update and delete the user and post records in the database.

The implementation of these API are very simple we have to just give the user id if we want user information, for updating we need to give detail of user with user id, for deleting we have to give user id and for updating we need to give complete user information as required.

The implementation of PostAPI is same as UserAPI as described above we have to give post id along with required fields as described in the post api schema.

DB Schema Design

The complete database design as shown in image:



I have created on-to-many relationship with Users and Posts table as one user have multiple post. Many-to-many relationship in Users table and record keeps in Follow_Unfollow table. In the Comment and Like table One-to-many relationship is created with Users and Posts table.

Video

https://drive.google.com/file/d/1YRqvU_-9Rk0T9vhxMUm4eVjqcj_1VJr/view?usp=share_link