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About Me:

I am pursuing my B.Tech in Information Technology From SSN COLLEGE OF ENGINEERING.

My areas of interest for technical domains are in Web development, Competitive programming and Artificial Intelligence.

Description

- This project is based on creating a blog site consisting of some of the functionalities such as :
 - Registering new user accounts and login and logout of users from existing accounts
 - Enables the user to see his/her profile which has the details of the count for - Followers of the user, the people followed by the user and no. of posts and also to view the posts.
 - Enables the user to perform Create , Update and Delete of posts (CRUD operations)
 - Allows the user to search for other users and follow and unfollow them.
 - Creates user feed in order for the user to view others posts.

Technologies used

- Flask - application code(Back-end)
 - Flask werkzeug - encryption for user password
 - SQLite - for data storage
 - Flask-SQLAlchemy - Python ORM for creating database in form of models/classes and accessing their attributes in form of objects
 - Jinja2 -Templates used to render HTML pages
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- HTML,Bootstrap5 - Front-end

Models (database tables) used:

- User - This tables define the users for the blog. Consists of user id as a primary key and other attributes are : Username , email, passwords , date of account creation

Posts (defines a relation between the user and blog table)

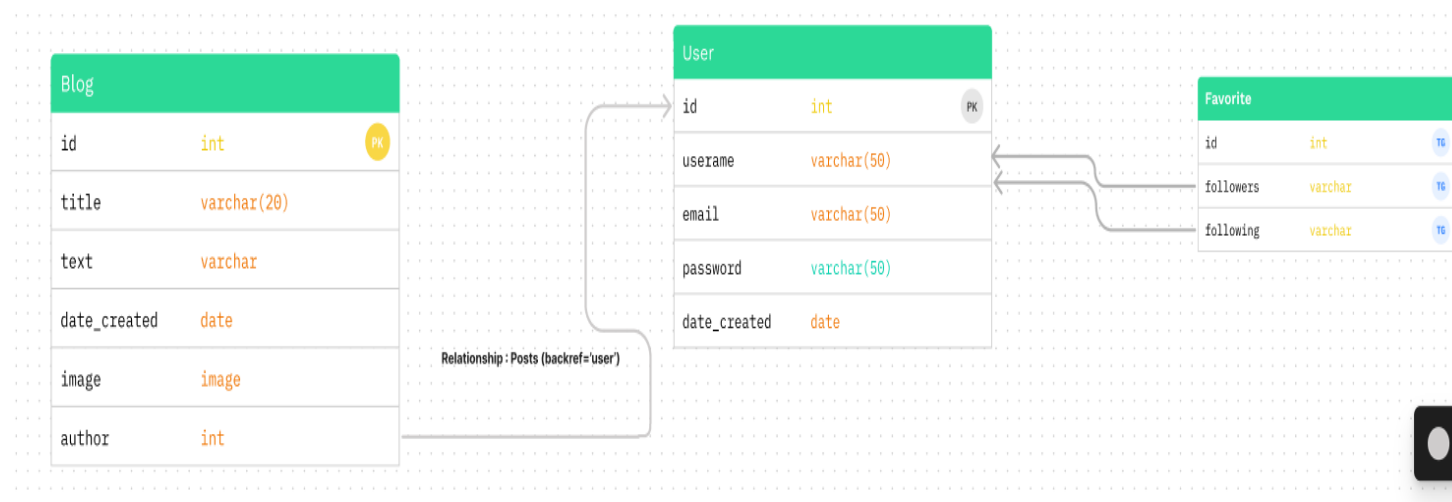
- Blog - This tables define the posts created for the blog. Consists of blog id as a primary key for the posts made and other attributes are :

topic, content, image ,date and time for posting the blog

Author (attribute which acts references the user.id from User Table (user.id acting as a foreign key))

- Follow - This tables defines the followers and following people for a particular user. Consists of attributes - id, followers, following

Schema diagram



Video Link

<https://drive.google.com/drive/folders/1ghkN2g3FwbuiMRTBrAFTbHQCu-oCBHke?usp=sharing>
