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To gain and utilize my knowledge along with my skills in the field of Mechatronics, Robotics and Data Science and help in the growth of the organization and society.

Description

I have created a multiuser social media like web application for uploading blogs, images, posts. In this application you can perform CRUD operations for Blogs as well as for user profile. You can follow other users to personalise your feed.

Technologies used

- Application code: flask, python
- Database: sqlite3
- Style: Jinja2, CSS, Bootstrap

DB Schema Design

In the Blog lite application 3 DB Models are used to store the data of the user's which are as follows: -

- **USER (DB Model)-**
The USER model table comprises of these columns- **user_id** which is primary key used to store unique id for individual user, **name** it is used to store the username of the user, **email** it is used to store the email id of the user and is a login credential, **password** which is used to store the password of the user login, **profile_pic** it is used to store the name of the image the user wants to upload and see as its profile picture.
- **BLOG (DB Model)-**
The BLOG model table comprises of these columns- **blog_id** which is primary key used to store unique id for individual blog, **user_id** is also imported from the users table as a foreign key to keep track record of the blogs posted by different users, **blog_name** is used to store the title of the blogs posted, **description** is used to store the Caption/Description of the blogs, **image_path** is used to store the name of the image the user wants to add in the blog, **timestamp** is used to store the time and date of the blog posted.
- **follow (DB Model)-**

The follow model table comprises of these columns- **user_id** imported from the users table as a foreign key and **follow_id** is used to define a relation between different users which are followed by and following, **fid** is primary key here used to uniquely determine each relation.

Architecture and Features

The project folder has sub folders static which stores the images as well as stylesheet and css files and templates where all the html templates for the app are stored. models.py stores the data set classes and main.py consists of the flask python codes.

The Features of the project are: -

- Login/Sign up page
- User's feed - posts, follow information etc.
- User's profile
 - No. of posts
 - following
 - followers
 - update user profile
 - profile picture
- Blog/Post management
- Blog Posted by individual users

Video Link

https://drive.google.com/file/d/1jxY3CJbYCET2A2lRESiKBxoAbcXTfKoe/view?usp=share_link