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I've completed B.Tech in electrical and electronics engineering and I'm currently in the diploma level of IITM BS Data Science and Applications.

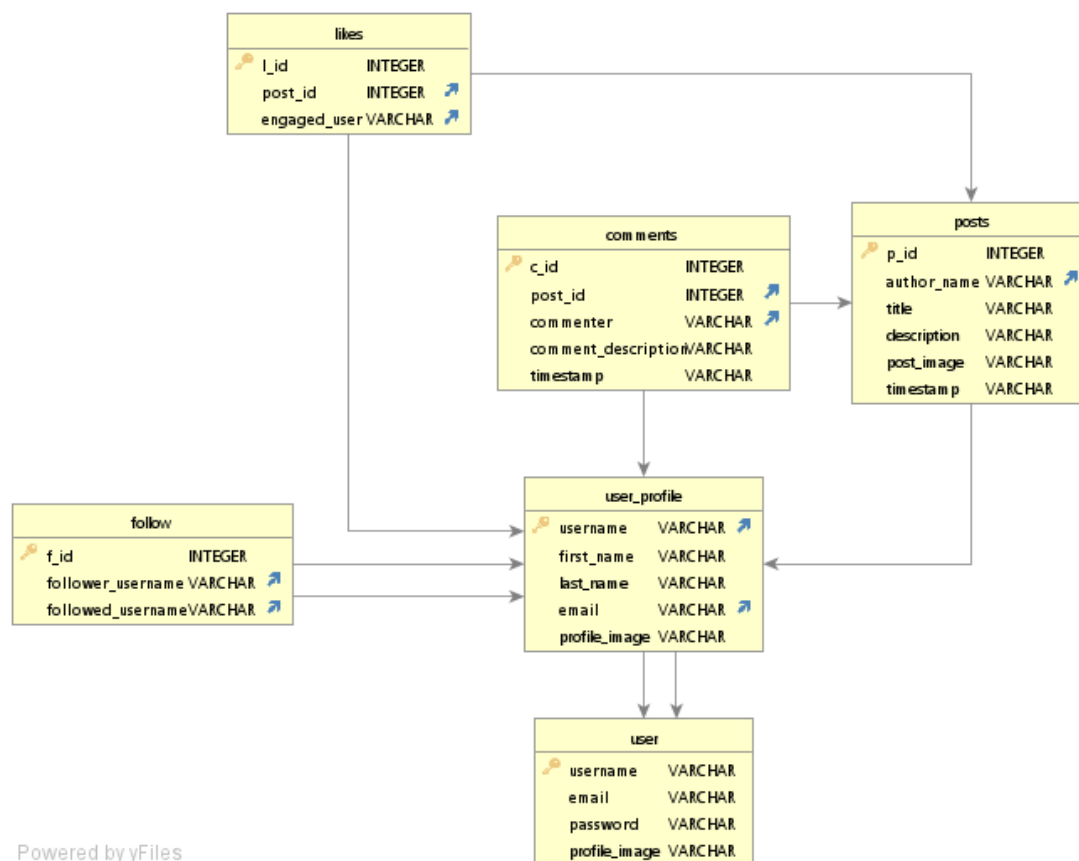
Description

The main objective of this project is to build a microblogging site where users can share their blog posts and delete them if they want and they can follow other users to see posts of their interests.

Technologies used

- Flask-RESTful for making API objects and functions
- Flask-Login for managing user login sessions
- Flask-SQLAlchemy for interacting with database and executing sql queries
- requests for making http requests to interact with API

DB Schema Design

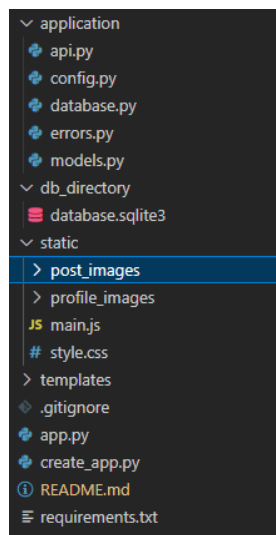


API Design

I have made User_profile_API get,put,delete,post requests for interacting with user objects, Posts_API for crud operations on posts, Likes_API for getting likes of a post and like and unlike a post, Comments_API to get comments on post and making,deleting a comment on post, Follow_API to get followers,following of a user and to make a user follow and unfollow, Get_Feed_API to get posts of user feed, Get_User_Posts_API to get posts made by user, Search API to get list of users matching the search query

Architecture and Features

I have kept the api, config, models, database files in the application folder, The static folder contains two folders for storing profile and post images, it also contains custom css and js for the profile page. The create_app python file is made to isolate all the application necessities before initialising the application; it also contains all api resources; the database file is in db_directory. Requirements.txt contains the all libraries used for making this project and libraries needed to keep this project running. README.md has the command required to run the application. The below image shows the project folder structure.



Features

- Multiple users can login interact with application at same time
- Users session stores even after closing the browser / system
- The pages shows alert if user gives any wrong information
- The user can make comments & likes for the post
- The user can search for other users by using their full usernames or partial usernames
- The user page shows his all posts, no.of followers, total of no.of users he is following
- The blog post card shows total number of likes and comments for the post

Video

[21F1005087 Blog Lite Demo](#)