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Description

BlogLite is a multi-user app kind of social media platform used for uploading blogs with images, like and comment other user blogs, follow and unfollow other users, get user feed and profile

Technologies used

• **Flask**: for basic backend Implementation.
• **Flask_sqlalchemy**: for implementing Database.
• **datetime**: for storing the date for the deadline.
• Some inbuilt libraries like jinja2, render_template, redirect, and url_for displaying HTML
    content.
• **flash**: to show an alert
• **Flask_Login**: for implementing the login functionality
• **werkzeug.security**: for hashing the password
• **Flask-Restful**: to create Api

API Design

There are two API:
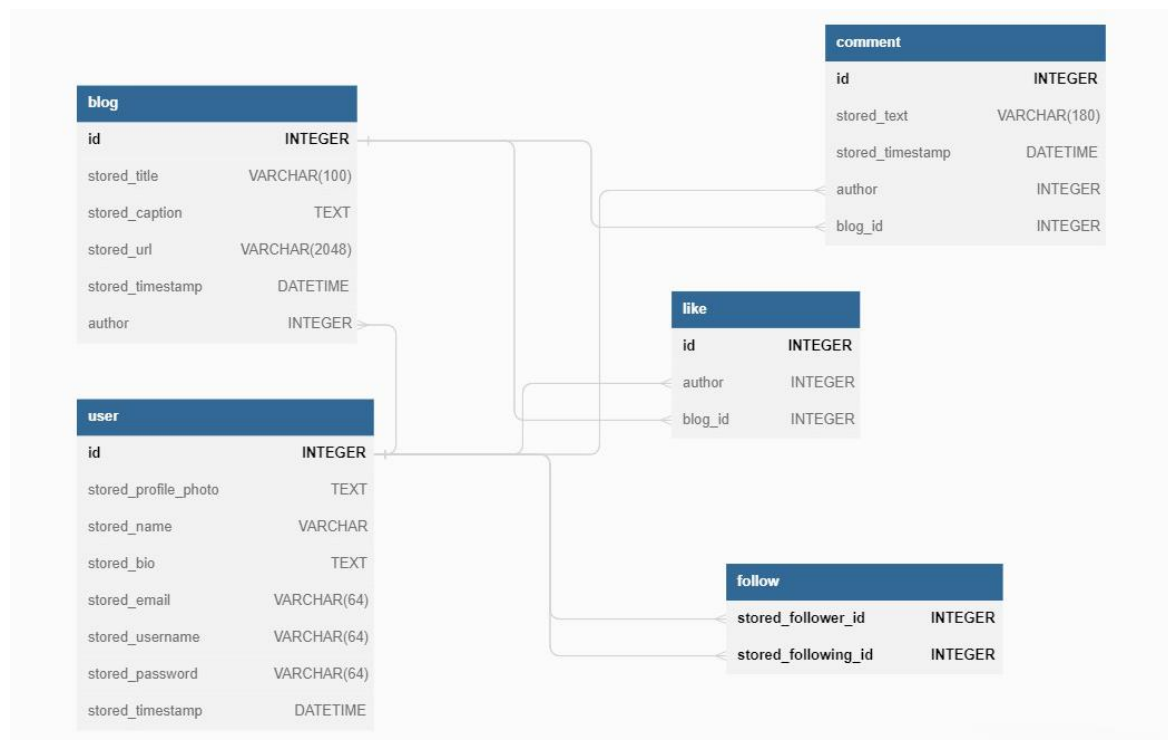   1. **UserAPI** -
      • It is linked to two endpoints:
            • /api/user – With this endpoint, we can get all users in database, creating
         user.
            • /api/user/<int:id> – With this endpoint, we can get user with input id,
            updating   user with respective id, deleting user with respective id
   2. **BlogAPI**-
      • It is linked to three endpoints:
            •/api/blog/<int:blog_id> – With this endpoint, we can get all blog with
            respective id from database
            •/api/user/<int:user_id>/blog/<int:blog_id> – With this endpoint, we can get
            blog with respective id under respective user, delete blog with respective id
            under respective user, update blog with respective id under respective user
            •/api/user/<int:user_id>/blog – With this endpoint, we can create blog under
            respective user

DB Schema Design

Architecture and Features

• There are 2 controllers
      1. **auth**: It is used for authorization purpose
      2. **view**: It is used for all other purpose like blogs, profile, comment, like, follower etc.
• There are 2 folders
      1. **static**: It contains some CSS files and images
      2. **templates**: It contains all HTML templates used in Project.
• **login / sign-up system**: Here user can fill in all details for creating a new account and after that user will be able to do login.
• **Profile view with basic stats**: This page has user details, number of blogs he/she created, number of followers, and number of following.
• **Blog Post Management**: Here user will be able to create, update blog and delete blog with user confirmation
• **Search**: Here the user will be able to search a user with his/her username which consists of that keywords.
• **Follow/Unfollow**: Here the user will be able to follow user and unfollow user
• **User Feed**: This page shows the user feed which consists of blogs from other user whom the user follows
• **Additional features**: Additional features include
      • **Followers page**: Here the user will be able to see the list of his/her followers
      • **Following page**: Here the user will be able to see the list of people whom the user follow
      • **Like**: Here the user will be able to like blogs, remove his like
      • **Comment**: Here the user will be able to create, delete comment
      • **API**: Created two API user, blog with basic functionality

Video

https://drive.google.com/file/d/1XsLgyaCWDbJtLeoCu5fnSU7phj4zdUk1/view?usp=share_link