Author

Maitreya Gautam Shelare
21f1005984
21f1005984@ds.study.iitm.ac.in
Junior Undergraduate Majoring in Electronics and Telecommunication

Description

Token Based Authentication, User Management including Follow and Unfollow, Blog Management including Likes and Comments, Safe HTML input, Blog Archive, Import and Export, Caching using Redis, and Celery for Async and Batch Jobs needs to be Implemented.

Technologies used

Frontend -
Vue CLI, Vuex persisted state for preserving Vue store state, Bootstrap, Bootstrap Icons

Backend -
Flask for API and Backend, SQLAlchemy ORM and SQLite for Database, Marshmallow for JSON serialisation of Data, Flask_jwt_extended for JWT Authentication, base64 for converting Images into base64 format, pytz and datetime for time, Redis for caching and celery for batch and Asynchronous Jobs, Jinja 2 and weasyprint for monthly report, smtplib and Mailhog for email.

DB Schema Design

User_followers and user_likes association table for many-many relations,, User , Blog, Like, Comment, with corresponding Auto Schemas to serialise data.

API Design

API was separated into different files based on their functionality. Authentication API was done in auth.py file, Blog functionality , including like and comment was done in blog.py file, Profile Management was done in profile.py file, celery tasks were implemented in tasks.py file

Architecture and Features

Inside bloglite folder, the backend is inside server directory and frontend code is inside src Directory. Requirements.txt inside the server directory.

Video

https://youtu.be/200HUhU0C84