

BLOG LITE

MAD 1 PROJECT

Author

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Hi, I am 19 years old and have started my journey in web development. This is my first ever project .

Description

The project is a web application which is made using Flask and its extensions. The application is a Blogging Application with multiple Users and Blogs. The application offers CRUD functionality.

Technologies used

Flask

Bootstrap

Flask-SQLAlchemy: For the Models.

Flask-RESTful: For implementing APIs

datetime: To know the Date when Post was created

DB Schema Design

User: Includes id(Primary Key), username(unique and Required), password(Required), posts(User to Post have one to many Relationship), followed and followers (Many to Many Relationships between Users)

Follow is an Association Table created for Many to Many Relationships between Users and Users

Post: Includes id(Primary Key), title(String with constraint 120 characters and Required), date_created(default using datetime), content, Image URL, creator, user_id(User to Post have one to many Relationship)

Username is unique.

One to Many Relationship between User and Post because a User can create Multiple Blogs and a Blog can have only one Creator.

API Design

Implemented APIs for Posts:

- GET All Posts

- GET Particular Post using Post Id

- PUT Update a Post using Post Id

- DELETE a Post using Post Id

Architecture and Features

Models are present in the models.py file.

Controllers are present in the app.py file.

Templates are present in the template folder.

Static folder contains Favicon.

Internal CSS present in base.html

Inline CSS used frequently through html pages

The Readme.md file contains instructions for running the app and some already made user logins.

Filtering of posts on Feed by All Posts and Posts by Users followed.

CRUD on Blogs/Posts

CRUD on Users

Video

<https://drive.google.com/file/d/1yPhb9UnYX19T11KM6iumDrCoGQ-VazbF/view?usp=sharing>