Django Blog

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Abstract

A Django-powered blogging platform connecting users within the same school domain. Users can register using a valid school email, create posts, like, and comment, fostering a localized community experience. The project emphasizes domain-specific access control and user-generated content.

“I have neither given nor received unauthorized aid in completing this work, nor have I presented someone else’s work as my own”

Project Overview

- A secure blogging platform built with Django:
- Features: Registration, Post Creation, Like, and Comment.
- Access limited to users within the same school domain.
- Promotes community engagement among students and alumni.

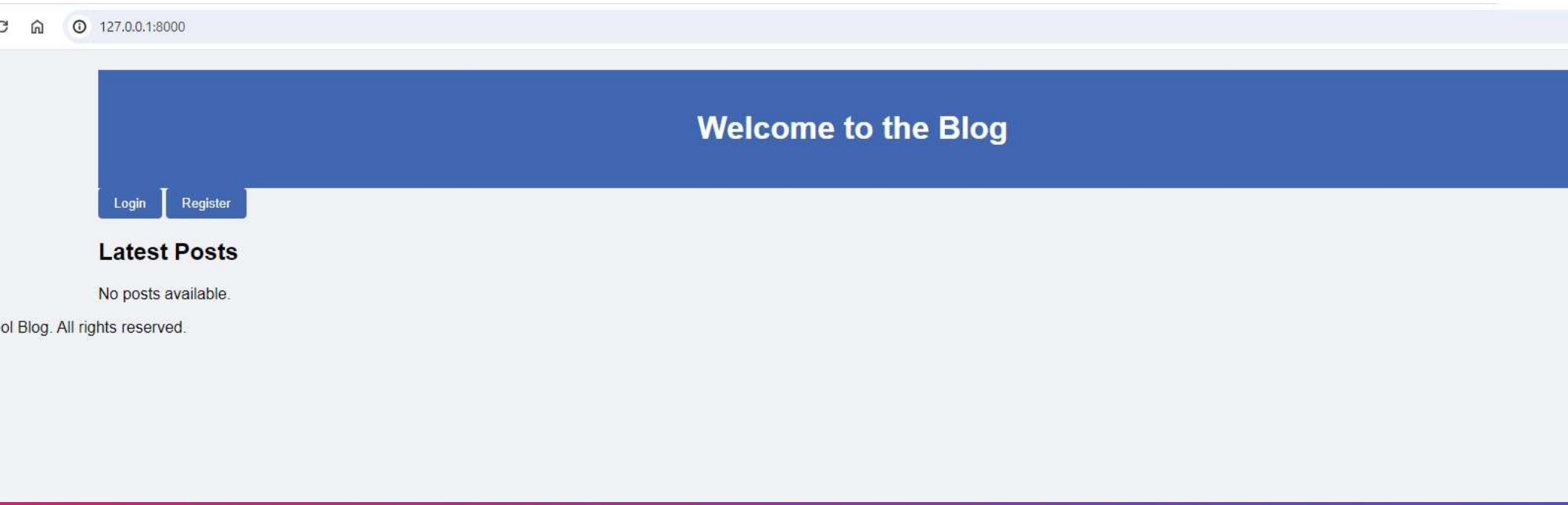
Technologies & Architecture

Core Technologies:

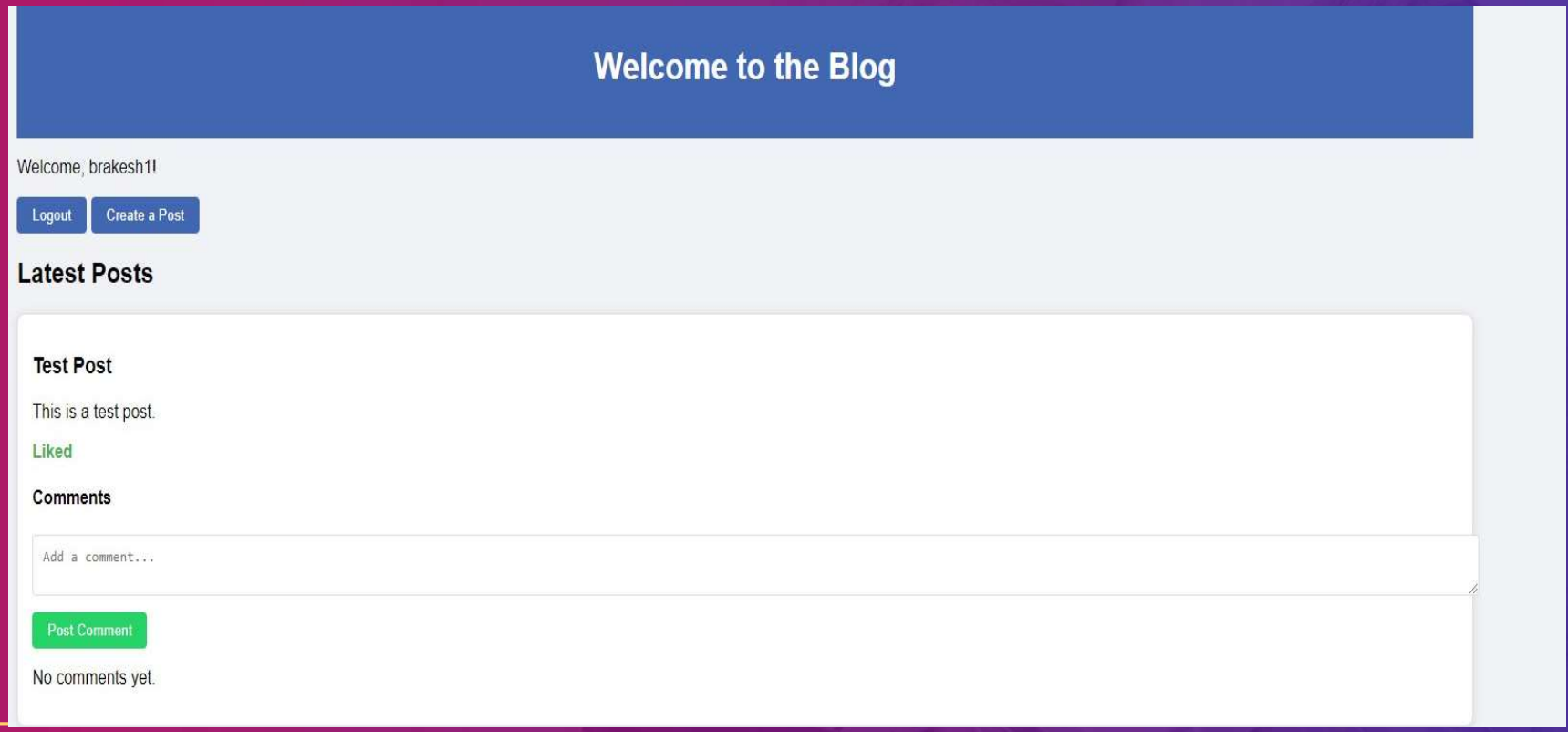
- Backend: Django with Python.
- Frontend: HTML, CSS, and Django Templates.
- Database: SQLite for development, scalable to other DBs.

Key Features:

- Modular structure for scalability.
- Secure user authentication and validation.
- Efficient database queries for school-based content filtering

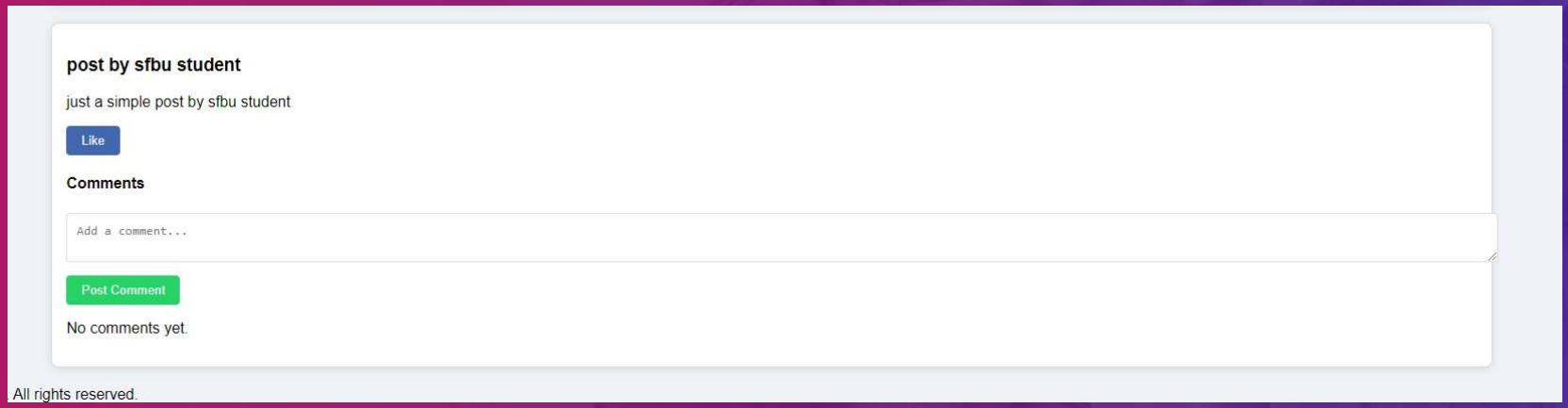

127.0.0.1:8000
Welcome to the Blog
Login
Register
Latest Posts
No posts available.
ol Blog. All rights reserved.

Home page of the user who registered through sfbu.edu domain.

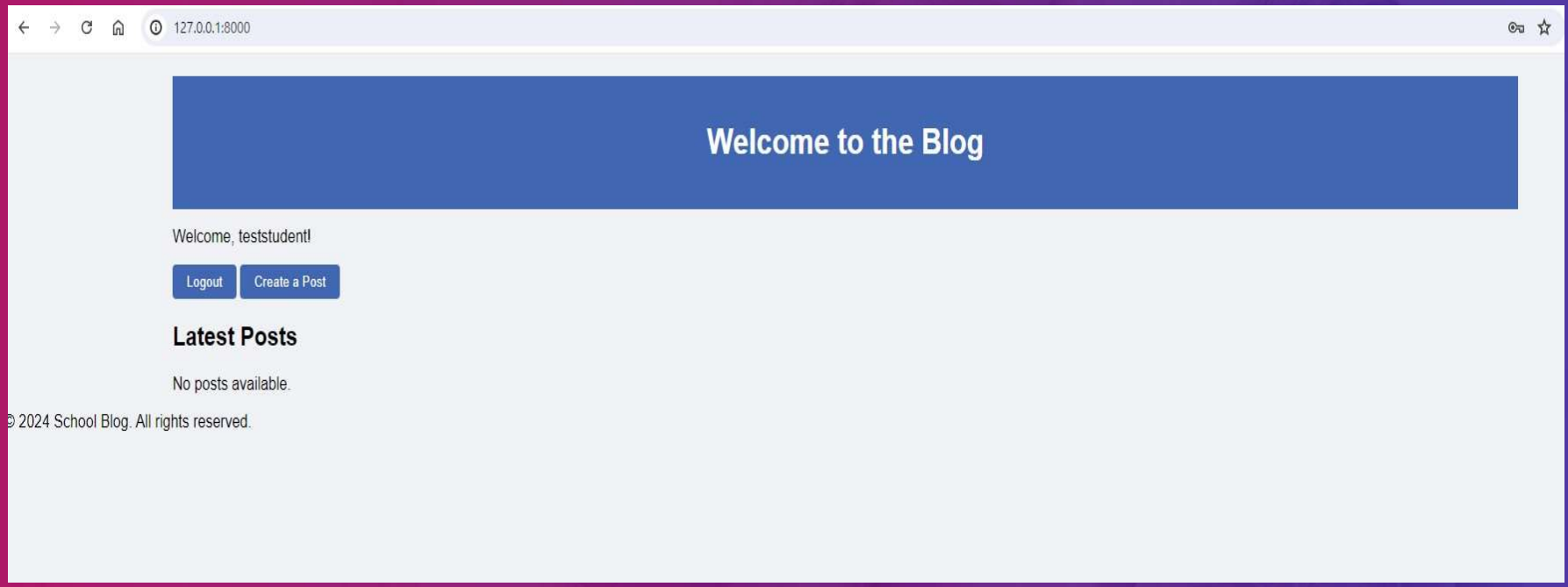


Sfbu student user 1 creating a new post

Sfbu student user 2 gets to see the post of user form the same school



User registered with different school email do not get to see the posts of the users from the different schools.



Conclusion

Key features:

- *Successfully created a community-focused blog for school users.*
- *Ensured secure access with domain-based registration.*
- *Fostered user interaction through posts, likes, and comments.*

Future Scope:

- *Implement user notifications.*
- *Expand to support multimedia posts (images/videos).*
- *Integrate advanced analytics for user engagement insights.*

THANK YOU!