

A photograph of two women in a room. The woman in the foreground is a young Asian woman with short blonde hair, wearing a dark blue sweater with white stripes on the sleeves, smiling and looking towards the right. Behind her is a Black woman with dark curly hair, also smiling. The background wall is white and covered with several framed and unframed photographs. A vertical red line is on the right side of the image.

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

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.

Welcome to the Blog

Welcome, brakesh1!

[Logout](#) [Create a Post](#)

Latest Posts

Test Post

This is a test post.

Liked

Comments

[Post Comment](#)

No comments yet.

Sfbu student user 1 creating a new post



127.0.0.1:8000/create_post/

Create a New Post

Title:

Content:

just a simple post by sfbu student

[Post](#)

[Back to Home](#)

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

post by sfbu student

just a simple post by sfbu student

Like

Comments

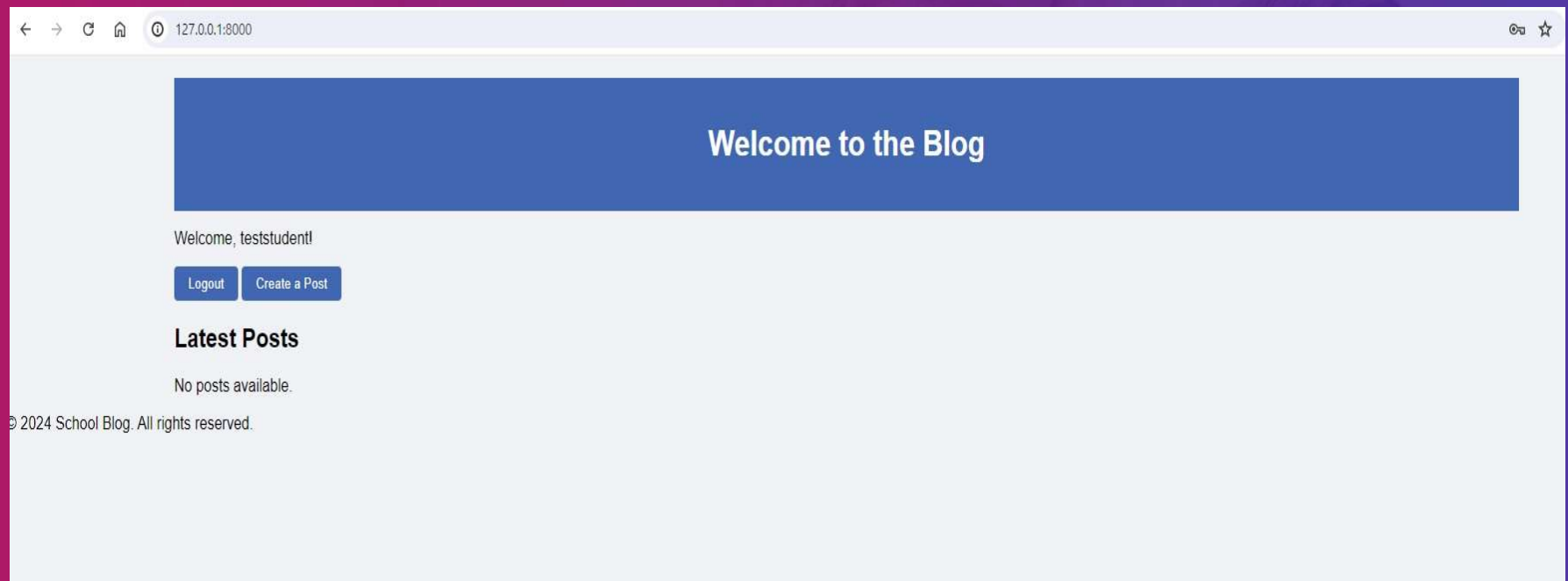
Add a comment...

Post Comment

No comments yet.

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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.*

A woman with dark curly hair and glasses is smiling and looking to the right. The image is overlaid with a purple and pink gradient at the bottom.

THANK YOU!