Based on the code you provided, here’s an overview of how your Flask application will function and the expected output for each route.

**1. Home Page (/)**

This page will display all blog posts. The template will iterate over the posts object and output the title, author, and creation date for each post.

**Expected Output:**

All Blog Posts

Post Title 1

by Author 1 on YYYY-MM-DD

Post Title 2

by Author 2 on YYYY-MM-DD

...

**2. Create New Post Page (/post/new)**

This page contains a form for creating a new blog post. It includes fields for the post title and content, as well as a submit button.

**Expected Output:**

Create New Post

Title: [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] (input field)

Content: [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_]

[\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_]

[\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] (textarea)

[Post] (submit button)

**3. Registration Page (/register)**

This page includes a registration form with fields for username, email, password, and password confirmation.

**Sign Up**

**Username: [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] (input field)**

**Email: [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] (input field)**

**Password: [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] (input field)**

**Confirm Password: [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] (input field)**

**[Sign Up] (submit button)**

**4. Login Page (/login)**

**This page features a login form with fields for email and password.**

**Expected Output:**

**Login**

**Email: [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] (input field)**

**Password: [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] (input field)**

**[Login] (submit button)**

**5. Single Post Page (/post/<int:post\_id>)**

**This page displays a single blog post. The exact content will depend on the post's title, content, and author.**

**Expected Output:**

**Post Title**

**by Author on YYYY-MM-DD**

**Post content goes here...**

**6. Navigation Menu**

**On every page, the navigation will vary based on whether the user is authenticated.**

**Authenticated User:**

**Home | New Post | Logout**

**Unauthenticated User:**

**Home | Login | Register**

**Example Scenario:**

**If there are two posts in your database:**

1. **Post Title: "My First Post" by "Alice" on "2024-028-09"**
2. **Post Title: "Flask is Awesome" by "Bob" on "2024-28-09"**

**The home page would look like this:**

All Blog Posts

My First Post

by Alice on 2024-28-09

Flask is Awesome

by Bob on 2024-28-09

If a user creates a new post with the title "Learning Flask" and the content "It's great!", after submission, they would see a success message and be redirected back to the home page, where the new post would be listed.