**My Book Blog**

A simple Flask-based web application where users can add book reviews, view reviews, and navigate through the website to learn about books.

**Features**

* **Home Page**: Displays a list of book reviews.
* **Add Book Review**: Allows users to add new book reviews with a title and content.
* **View Post**: Clicking on a book title shows its full review.
* **Scroll to Top Button**: A button to quickly scroll back to the top of the page.
* **Responsive Design**: The website is fully responsive, adapting to different screen sizes.
* **Database Integration**: PostgreSQL for storing book reviews.

**Prerequisites**

* Python 3.x
* PostgreSQL Database

**Installation**

**1. Clone the repository**

bash

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git clone https://github.com/yourusername/my-book-blog.git

cd my-book-blog

**2. Create and activate a virtual environment (optional but recommended)**

bash

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python3 -m venv venv

source venv/bin/activate # For Windows: venv\Scripts\activate

**3. Install the required dependencies**

bash

pip install -r requirements.txt

**4. Set up PostgreSQL**

1. Install PostgreSQL on your machine.
2. Create a new database in PostgreSQL, for example:

sql

CREATE DATABASE book\_blog;

1. Update the SQLALCHEMY\_DATABASE\_URI in app.py with your PostgreSQL credentials:

python

app.config['SQLALCHEMY\_DATABASE\_URI'] = 'postgresql://your\_username:your\_password@localhost:5432/book\_blog'

**5. Initialize the Database**

Run the following command to create the necessary database tables:

bash

python app.py

This will create the post table in your PostgreSQL database. You can also use Flask Migrations for managing database schema changes, but this is not required for the basic setup.

**6. Run the Application**

Start the Flask development server:

bash

python app.py

This will run the application locally at http://127.0.0.1:5000/.

**Folder Structure**

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my-book-blog/

├── app.py # Main Flask application

├── models.py # Database models and SQLAlchemy setup

├── requirements.txt # Project dependencies

├── templates/ # HTML files for rendering

│ ├── index.html # Home page displaying all posts

│ ├── post.html # Page for viewing individual posts

│ └── create\_post.html # Form to create new posts

├── static/ # Static files (CSS, JS, Images)

│ ├── css/

│ │ └── style.css # Stylesheet

│ ├── js/

│ │ └── script.js # JavaScript for scroll-to-top functionality

│ └── images/

│ └── girlbook.jpg # Example image

└── README.md # This file

**Usage**

1. **Viewing Book Reviews**: On the homepage (/), you will see all the book reviews listed.
2. **Adding a Book Review**: You can add a new book review by navigating to Add a Book Review from the navigation menu and filling out the form.
3. **Viewing a Single Review**: Click on any book title to view the full review.

**Contributing**

If you'd like to contribute, please fork the repository and submit a pull request. Feel free to fix bugs, add features, or improve the documentation.

**License**

This project is licensed under the MIT License - see the LICENSE file for details.