BookHaven User Guide

Welcome to BookHaven, your ultimate destination for discovering and enjoying books! This guide will walk you through all the features of our application, from browsing books to getting personalized recommendations and managing your account.

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Getting Started

To start using BookHaven, simply open your web browser and navigate to the BookHaven homepage. Here, you'll find a variety of features designed to help you discover and enjoy new books.

Account Management

* Sign Up

1. Click on the Sign Up link in the navigation bar.

2. Fill out the registration form with your desired username and password.

3. Confirm your password and click the Sign Up button.

4. If your username is unique and your passwords match, you'll see a success message and can now log in with your new account.

* Log In

1. Click on the Log In link in the navigation bar.

2. Enter your username and password in the login form.

3. Click the Login button.

4. If your credentials are correct, you'll be logged in and redirected to the home page.

* Log Out

1. Click on the Log Out link in the navigation bar.

2. You'll be logged out and redirected to the login page.

Navigating the Website

* Home

The home page welcomes you to BookHaven and provides an introduction to the site. Here, you can find general information about the features and benefits of using BookHaven.

* About Us

In the About Us section, you can learn more about BookHaven's mission and what sets us apart from other book recommendation services. This section provides a detailed overview of our advanced recommendation system and user-friendly interface.

* Books List

The Books List section allows you to browse through a variety of books. You can view details such as title, author, height, publisher, and genre. Use the search feature to find specific books by title or genre.

* Recommendations

The Recommendations section helps you get personalized book suggestions. Simply fill out the recommendation form with the title, genre, and author of a book you like, and click the Get Recommendations button to see a list of similar books tailored to your preferences.

* Contact

In the Contact section, you'll find information about how to reach us for any inquiries or support.

Searching for Books

To search for books:

1. Navigate to the Books List section.

2. Use the search bar to enter a title or genre.

3. Select the search type (Title or Genre) from the dropdown menu.

4. Click the Search button to view matching books.

Getting Recommendations

To get personalized book recommendations:

1. Navigate to the Recommendations section.

2. Fill out the recommendation form with the title, genre, and author of a book you enjoy.

3. Click the Get Recommendations button.

4. View the list of recommended books tailored to your preferences.

Technical Details

Application Structure

1. Flask Backend: Handles routing, user authentication, and database interactions.
2. HTML & Bootstrap Frontend: Provides a responsive and user-friendly interface.
3. SQLite Database: Stores user information and book data.

Key Features

1. User Authentication: Secure sign-up, login, and logout functionality.
2. Book Browsing: View and search for books by title or genre.
3. Personalized Recommendations: Get book suggestions based on your preferences.

Libraries and Frameworks

1. Flask: Micro web framework for the backend.
2. Flask-Login: User session management.
3. Flask-WTF: Form handling and validation.
4. SQLAlchemy: Database ORM for handling SQLite.
5. Bootstrap: Frontend framework for responsive design.
6. Pandas: Data manipulation and analysis.
7. NumPy: Numerical operations.

Thank you for choosing BookHaven! We hope you enjoy your personalized literary journey. If you have any questions or need further assistance, please don't hesitate to contact us.