**Django Books**

A Django-based web application that allows users to manage books. This project demonstrates how to build a simple CRUD (Create, Read, Update, Delete) application with Django.

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**Features**

* Add, view, update, and delete books.
* Search books by title or author.
* User authentication and registration.
* Responsive design with Bootstrap.

**Installation**

1. **Clone the repository**:

git clone https://github.com/dangluva/django-books.git

cd django-books

1. **Create a virtual environment**:

python -m venv venv

1. **Activate the virtual environment**:

On Windows:

venv\Scripts\activate

On MacOS/Linux:

source venv/bin/activate

1. **Install dependencies**:

pip install -r requirements.txt

1. **Set up environment variables**:

Create a .env file in the root directory and add the following (adjust accordingly):

DEBUG=True

SECRET\_KEY=your\_secret\_key

ALLOWED\_HOSTS=localhost,127.0.0.1

1. **Apply migrations**:

python manage.py migrate

1. **Create a superuser (optional)**:

python manage.py createsuperuser

1. **Run the development server**:

python manage.py runserver

1. **Access the application**:

Open your browser and go to <http://127.0.0.1:8000/>.

**Usage**

1. Register or log in as a user.
2. Add books to the collection.
3. Search, update, or delete books.
4. Admin users can manage all users and books from the admin panel.

**Project Structure**

django\_books/

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├── WebBooks/ # Main Django application

│ ├── settings.py # Django settings file

│ ├── urls.py # URL routing

│ ├── views.py # Views for the application

│ └── ...

│

├── templates/ # HTML templates

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

├── manage.py # Django management script

└── requirements.txt # Python dependencies

**Technologies Used**

* **Django** - Python web framework
* **SQLite** - Default Django database (for development)
* **Bootstrap** - Front-end styling
* **django-environ** - Managing environment variables

**License**

This project is licensed under the MIT License.

**Contributing**

Contributions are welcome! Please open an issue or submit a pull request for any improvements or fixes.

**Contact**

If you have any questions or feedback, feel free to reach out:

* GitHub: [dangluva](https://github.com/dangluva)
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