Book Review Web Application

A simple Book Review system built using Django and Bootstrap. This project allows users to add books and post reviews for each book.

# Features

* • Add new books (Title, Author)
* • View list of books
* • Post reviews with rating and comment
* • Caching of book list using Django cache (locmem)
* • Proper test cases written using Django’s TestCase

# Tech Stack

* • Python 3.x
* • Django 4.x
* • Bootstrap 5
* • HTML/CSS
* • SQLite (Default Django DB)
* • LocMem Cache

# Project Structure

book\_review/  
├── book\_review/ # Django Project Settings  
│ └── settings.py  
│ └── urls.py  
├── book\_app/ # Main Application  
│ └── models.py  
│ └── views.py  
│ └── urls.py  
│ └── tests.py  
│ └── templates/  
│ └── book\_app/  
│ ├── home.html  
│ ├── add\_book.html  
│ └── add\_review.html  
├── db.sqlite3  
└── manage.py

# Setup Instructions

1. Clone the Repository:  
 git clone [https://github.com/Krish-Cha/Book-Review-Web Application/tree/main/book\_review](https://github.com/Krish-Cha/Book-Review-Web%20%20Application/tree/main/book_review)

cd book-review

2. Create a Virtual Environment (Optional but Recommended):  
 python -m venv env  
 source env/bin/activate (On Windows use `env\Scripts\activate`)

3. Install Dependencies:  
 pip install -r requirements.txt  
 (or manually: pip install django)

4. Run Migrations:  
 python manage.py migrate

5. Run the Development Server:  
 python manage.py runserver  
 Open your browser and go to: http://127.0.0.1:8000/

# Running Tests

To run tests, use the command:  
python manage.py test

# Requirements Fulfilled

✅ Add books (title, author)

✅ View list of all books

✅ Add review to specific book

✅ Cache book list using LocMem

✅ Tests implemented

✅ Django Framework

✅ Bootstrap-based frontend

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