Book Review & Recommendation Web App
Duration: 15 Days
Technology Stack: Python, Django, HTML, CSS, Bootstrap (Optional), SQLite/PostgreSQL

📅 Objective:

Build a full-stack Django web application where users can:

- Register and login
- Browse and search books
- Add reviews and ratings for books
- Get basic recommendations based on genre and ratings

📉 Core Features to Implement (First 7 Days):

1. User Authentication

- User registration
- Login / Logout functionality

2. Book Management

- Book model: title, author, genre, description, cover image (URL), published year
- Admin panel setup to manage books (you can also seed initial data manually)

3. Review System

- Users can post a review and a rating (1 to 5) for a book
- One user can post only one review per book (add validation for this)

4. Browse & Search

- Show list of books
- Book detail page with reviews and average rating
- Add search by title or author

5. Recommendations (Basic)

- Show recommended books based on:
    - Top-rated books in the same genre
    - Random suggestion if there are no ratings yet

🏠 Frontend (Days 7 to 10)

- Basic responsive UI using HTML/CSS
- Optional: use Bootstrap for faster styling
- Use Django template language
- Show book listings, detail page, and forms for review submission

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🔍 Advanced/Optional Features (Days 11 to 15)

- User profile page with list of books reviewed
- Pagination for book listing
- Filters for genre or rating
- Use messages framework for user feedback (e.g., on login, review submission)

⚖️ Deliverables

- Code pushed to GitHub
- Clean and readable code with comments
- Optional: Add a README with setup instructions and screenshots

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🎓 What You Will Learn

- How Django handles data through models and ORM
- Django's view and template engine
- User session management
- Basic web app structuring with reusable templates and static files

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Good luck!
Feel free to reach out if you have any questions during the assignment.