Project Documentation

BookPro

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6. **Introduction <a name="introduction"></a>**

BookPro is a web application designed to connect book enthusiasts, allowing them to share, discover, and discuss their favorite books. This documentation provides detailed instructions on setting up the project, an overview of available API endpoints, usage examples, and information about external dependencies used.

1. **Setup Instructions <a name="setup-instructions"></a>**

To set up the BookPro project locally, follow these steps:

1. **Clone Repository :**

* git clone <url>
* cd bookpro

1. **Install Dependencies :**

* pip install -r requirements.txt

1. **Start development server:**

* python manage.py runserver

1. **Access the application :**

* Open a web browser and navigate to **http://localhost:8000** to access the BookPro application

1. **API Endpoints <a name=”api-endpoints”></a>**

BookPro provides the following API endpoints:

* **‘/search/?q=<query>’**: Endpoint for searching books using an external API.
* **/add-to-recommendations/**: Endpoint for adding a book recommendation to the system.
* **/like\_recommendation/**: Endpoint for liking a book recommendation.
* **/add\_comment/<recommendation\_id>/**: Endpoint for adding a comment to a book recommendation.

1. **Usage Examples <a name=”usage-examples”></a>**
2. **Search for books :**

* **Endpoint :** /search/?q=<query>
* **Example :** /search/?q=harry+potter
* **Description :** This endpoint searches for books related to the given query.

1. **Add a Recommendation :**

* **Endpoint :** /add-to-recommendations/
* **Method :** POST
* **Example Request Body:**

{

"book\_title": "Harry Potter and the Sorcerer's Stone",

"book\_description": "The first book in the Harry Potter series.",

"author": "J.K. Rowling",

"cover\_image": "https://example.com/image.jpg",

"rating": "4.5",

"category": "Fantasy",

"publication\_date": "1997-06-26",

"link": "https://example.com/book"

}

* **Description :** This endpoint allows users to add a new book recommendation to the system.

1. **Like a Recommendation :**

* **Endpoint :** /like\_recommendation/
* **Method :** POST
* **Example Request Body:**

{

"recommendation\_id": 123

}

* **Description :** This endpoint allows users to like a book recommendation.

**5. External Dependencies <a name=”external-dependencies”></a>**

* **Django :** Python-based web framework for backend development.
* **jQuery/AJAX :** JavaScript libraries for handling client-server communication.
* **BootStrap :** Frontend framework for responsive design.
* **Google Books API :** External API for searching and retrieving book information.

This concludes the documentation for the BookPro project. If you have any questions or need further assistance, please refer to the provided setup instructions or feel free to reach out to the project maintainers.