

Bibliophilic

By

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Project Submitted to

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Bibliophilic: Project Novelty, Contribution, and Future Directions:-

1. The Novel Approach:

- The relation between author and reader should not be in one way, here in my app it is a two way relationship between user and author. People generally identify reading as a boring activity, here we are trying to make it socially engaging one.
- No existing technology in this field is providing all the features like posts, reviews, data dashboard and genre based classification of books at the same place.

2. Technical Details of Our Approach:

- **Real time data synchronization** (firebase cloud) when we are posting something new the data is being stored at cloud firebase. And when a new post is posted it just does not get saved to the server but it is instantly pushed to my content page.
- **A Dual- Experience Architecture** (firebase auth) by using firebase services like firebase authentication and firestore security rules, we have build two apps in one, one is content management (author side) and second is content explorer (user side).
- **A flexible content model** (firebase storage and firestore database) We are storing all the types of post in a single collection (**content**). All the posts that we are making like “ Book Post”, “Announcement “ and “Book talk” everything is being saved in that one collection.

3. Comparison with Existing Solutions

Platform	What It Does Well	The Gap We Fill (Our Originality)
Goodreads	It is the undisputed champion for book cataloging, review and tracking	In its database not one community, In that app interaction is passive not asynchronous. There is no engagement with the author.
Book Club / LibraryThing	These two platforms have	In That author is often not

	somewhat similar functionality, it connects readers with each other.	part of it. Our platform is specifically for bridging the gap between consumer and creator.
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4. Contribution to the ICT Field and Future Directions

We have built a very niche, realtime social platform using modern, serverless and cross platform technology.

Serverless: We are using Google's firebase, we have built highly scalable and real time applications without writing a single line of traditional server-side-code.

Cross-platform: By using flutter we have built this app that is deployable in both android and IOS. It reduces development time and cost.

5. Potential Applications and Future Research

The architectural model of "Bibliophilic" is not limited to just authors and readers. It could be adapted as a blueprint for other **creator-fan communities**, such as:

- Musicians, live streamers, interact with fans.

Future Development directions:

- Personalized recommendation system.
- Gamification and habit building
- Integration PDFS of books
- To market this product we can change money from the author.