

SVKM's Narsee Monjee Institute of Management Studies

School of Technology Management and Engineering



MINI PROJECT REPORT

BOOK KARO APP

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ABSTRACT

The **BookKaro App** is a mobile platform designed to facilitate the buying, selling, donating, and exchanging of books, creating an accessible and community-driven book-sharing experience. Aimed at promoting sustainable reading practices, BookKaro connects users in local communities, allowing them to acquire books affordably while reducing waste. By enabling users to search for books through a robust search interface, enhanced by basic AI algorithms, BookKaro offers an intuitive way to find relevant materials based on user preferences and needs. The app not only bridges the gap between book owners and readers but also contributes to environmental conservation by supporting the reuse of books. Through its easy-to-navigate platform, BookKaro provides a valuable digital space for book enthusiasts to access affordable resources, fostering a culture of shared knowledge and sustainable book ownership

INTRODUCTION

Project Topic: **BookKaro - A Book Barter System App**

Description:

BookKaro is a mobile app designed to simplify the buying, selling, donating, and exchanging of books within local communities. By connecting users who have books they no longer need with others searching for affordable reading materials, BookKaro promotes sustainable practices in book usage and makes literature accessible to a wider audience.

The app fosters a community-driven approach, where users can list books for sale, offer books for free, or arrange exchanges-all from the convenience of their mobile devices. Each feature encourages a culture of sharing, where readers contribute to a community library of sorts, reducing waste and giving books a new life.

Through BookKaro, the process of finding or sharing a book becomes easy and purposeful. The app supports affordability and accessibility in reading, while also positively impacting the environment by minimizing unused or discarded books. BookKaro thus stands as a digital solution that combines convenience with sustainability, promoting both education and environmental responsibility.

EXISTING SYSTEMS

Goodreads

- Primarily known as a social network for readers, Goodreads allows users to track, review, and recommend books. While it doesn't offer direct selling or exchanging, its large community and "Bookshelf" feature provide a platform for readers to discover books and occasionally arrange informal swaps or sales.

BookScouter

- BookScouter helps users find the best prices for buying or selling books by comparing listings across various book-buying websites. It's particularly popular among students for finding affordable textbooks, though it doesn't support donations or exchanges.

ThriftBooks

- ThriftBooks is an online marketplace for used books, offering affordable prices on a variety of genres. It encourages sustainability by reselling gently used books rather than relying solely on new copies. Although it doesn't have an exchange or donation feature, ThriftBooks promotes affordable reading through its inventory of second-hand books.

BookKaro addresses the gaps left by existing solutions by offering a community-driven platform that facilitates buying, selling, donating, and exchanging books. This integration enhances access to affordable reading materials while promoting sustainable practices and encouraging local interactions among users. By providing these comprehensive features, BookKaro positions itself as a unique and effective solution in the book-sharing landscape.

PROPOSED SYSTEMS

The **proposed system** for BookKaro addresses the need for an all-in-one platform dedicated to book trading, donating, and exchanging. The app leverages a **SearchView** that integrates basic AI algorithms to improve the search experience, allowing users to find books efficiently based on title and category relevance. By utilizing a simplified version of the A* search algorithm, BookKaro ranks books according to relevance and price to make book discovery both fast and accurate. Additionally, the app's database management system ensures secure storage of user and book data, enhancing both functionality and user confidence in data privacy.

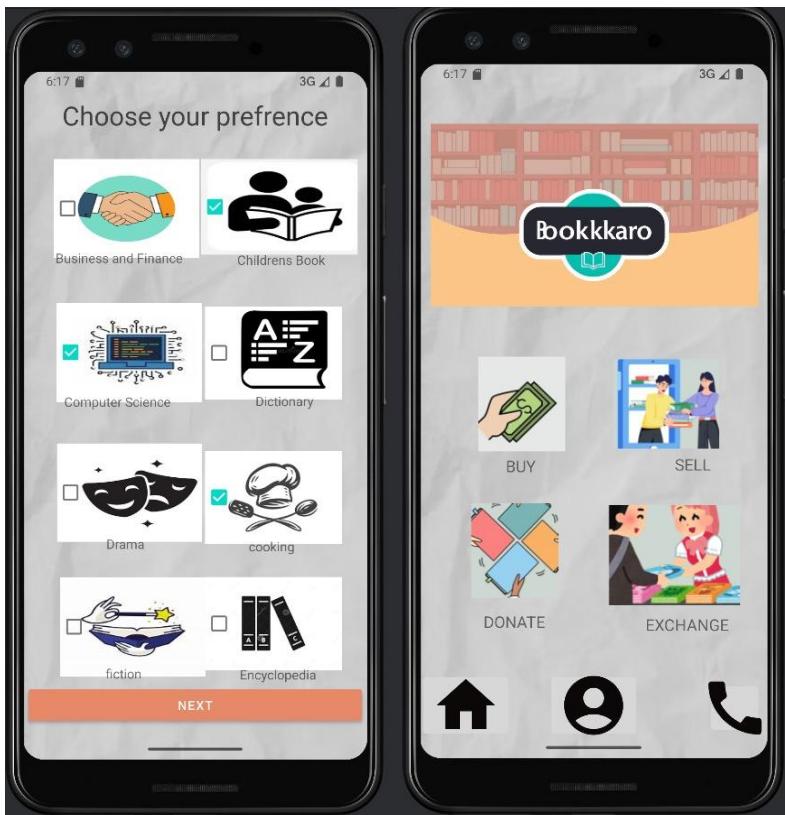
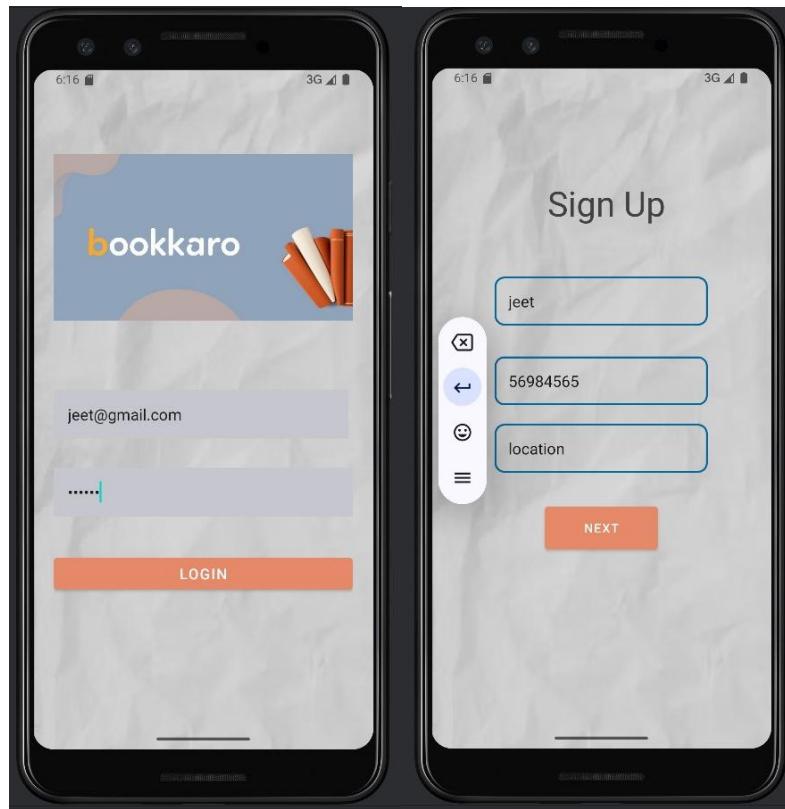
Users can seamlessly navigate through various categories, view book details, and initiate purchases or donations with ease. The BookKaro system also incorporates essential community-driven features that set it apart from traditional book resale platforms. By providing users with options for direct exchange and donations, it fosters a collaborative reading community while reducing the demand for new books, aligning with sustainable goals. Through BookKaro, users can now engage in a holistic and eco-friendly approach to book ownership, effectively creating a digital marketplace for book enthusiasts.

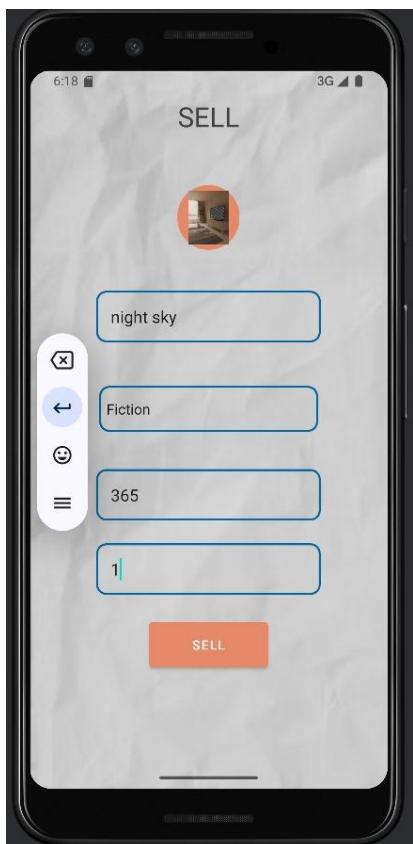
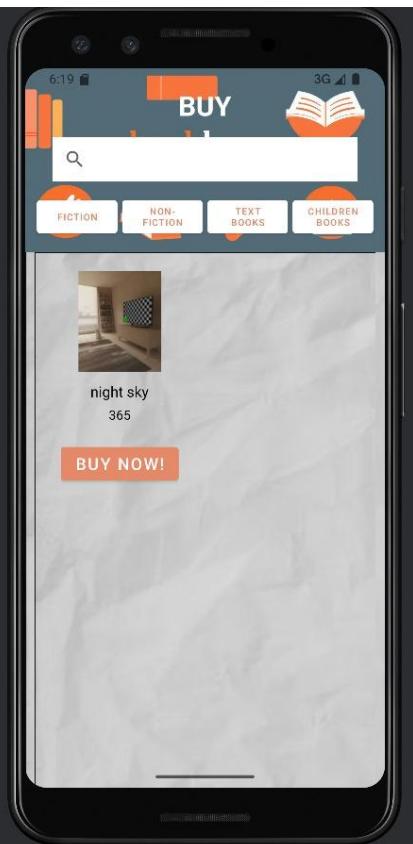
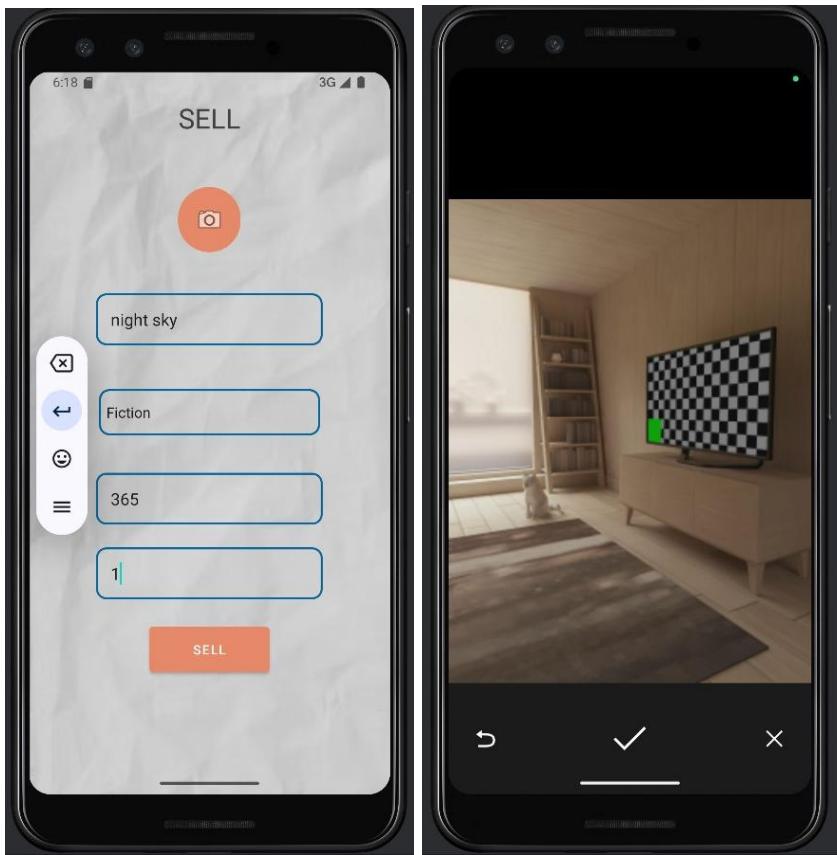
DATA SET/DATA COLLECTION

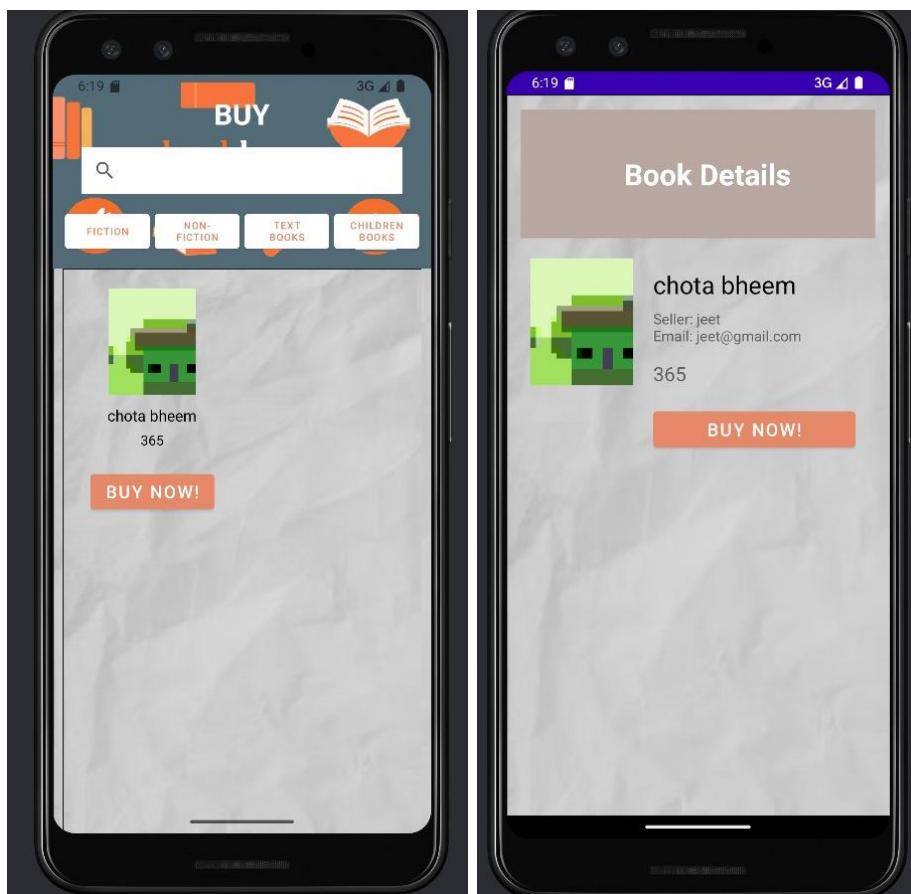
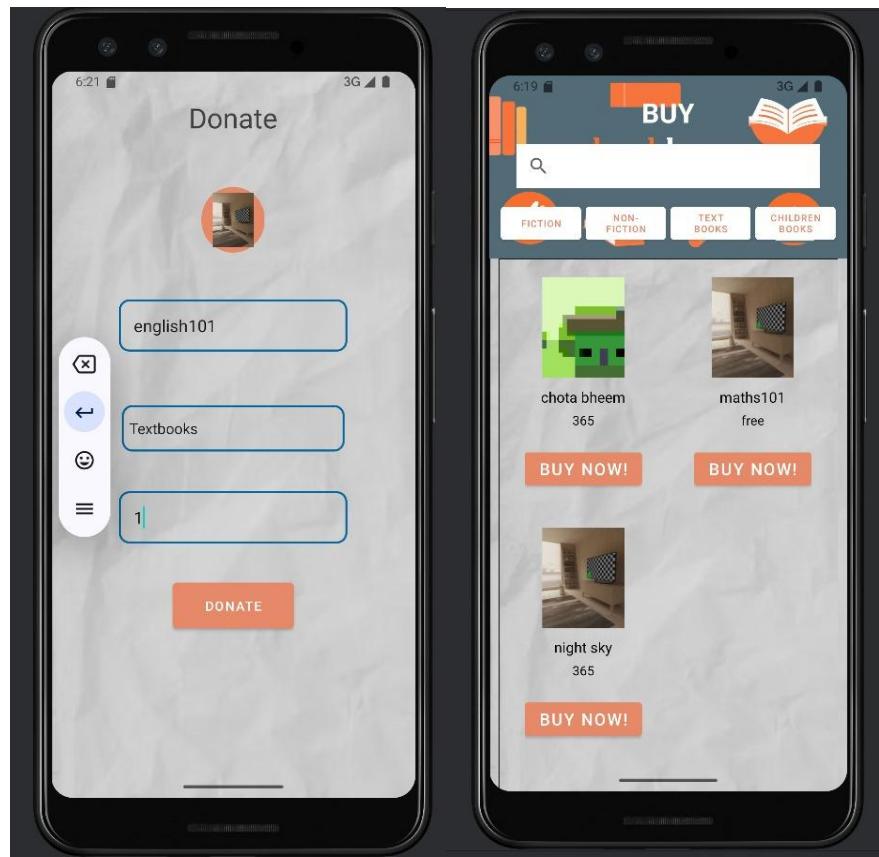
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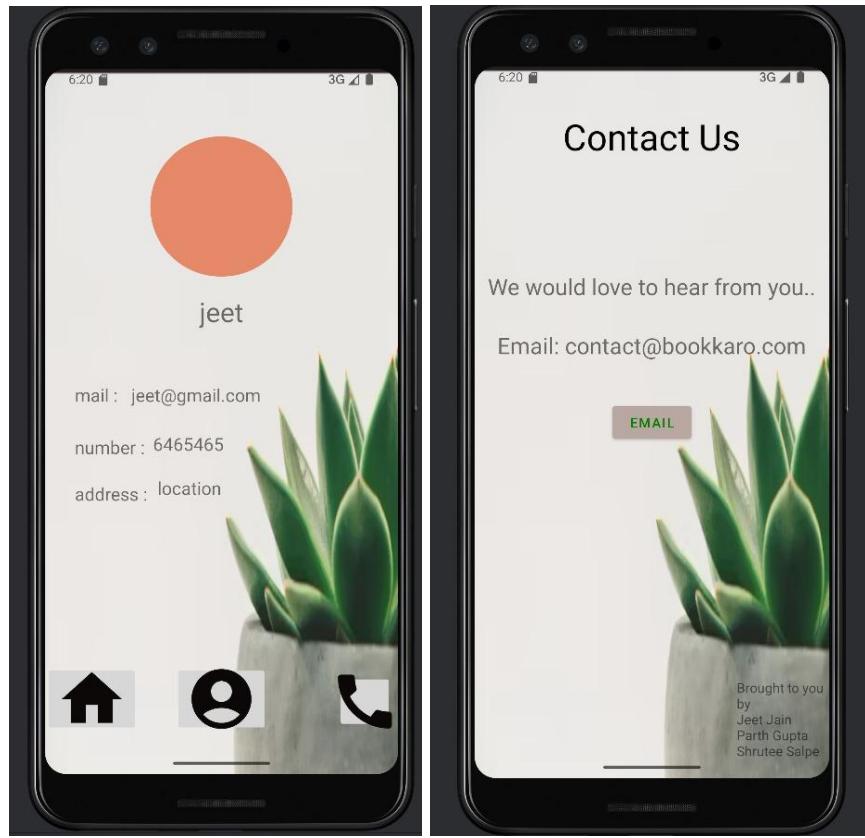
Figure 1: Example.db & Example1.db created under com.example.bookkaro package

SNAPSHOTS OF WORKING PROJECT









CONCLUSION AND FUTURE SCOPE

Conclusion

The BookKaro app successfully provides a secure, user-friendly platform for the trading, donation, and exchange of books. Designed with usability and accessibility in mind, the app makes book sharing easy and efficient while maintaining high standards of data protection and privacy. By prioritizing community interaction and promoting sustainable practices, BookKaro allows users to access affordable reading materials without creating waste, contributing positively to environmental conservation. Through fast response times, even under heavy traffic, the app demonstrates reliable performance and effectively meets both functional and non-functional requirements. Overall, BookKaro connects readers, fosters a community of shared learning, and offers an eco-friendly solution to the high costs associated with purchasing new books.

Future Scope

The BookKaro app has significant potential for growth, with various enhancements that can be implemented in future versions:

- 1. User Ratings and Reviews:** Adding a rating system would allow users to rate books and transactions, building trust within the community and increasing transparency.
- 2. Enhanced Search Features with AI Integration:** Advanced AI-based algorithms could be implemented to further refine search results, making them more personalized by understanding user preferences over time.
- 3. Recommendation System:** By analyzing user interests and reading patterns, BookKaro could suggest books, authors, or genres that might appeal to individual users, improving user engagement and satisfaction.
- 4. Broader Categories:** Expanding the platform to include other educational resources, such as study guides, notes, and e-books, would diversify the content available and make BookKaro a comprehensive educational platform.
- 5. Expanded Geolocation and Networking Capabilities:** Improving location-based matching can help users

find books and exchange partners in close proximity, making transactions even more convenient.

6. Event and Book Club Integration: Hosting virtual book clubs or local book exchange events through the app could engage users further and enhance community connections, building a loyal and interactive user base.

Through these enhancements, BookKaro can evolve into a full-featured educational resource platform, appealing to a broader audience while staying true to its sustainable and community-oriented values.

REFERENCES (IN CHRONOLOGICAL ORDER)

https://play.google.com/store/apps/details?id=com.show.mybook&hl=en_IN

<https://youtu.be/VeFPqmkXAGE?si=6xXyVO7-eiINJd-Q>

<https://youtu.be/n08uI7gViLE?si=XbqX6jD9eBI092tZ>

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