# ANDROID-BASED PROJECT

**(2021-2022)**

Bookxholic

# SYNOPSIS

**Department of Computer Engineering & Applications Institute of Engineering & Technology**



# SUBMITTED TO: SUBMITTED BY:

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## INTRODUCTION

Bookxholic is a Android based project that helps in building a platform for all book readers. This platform helps users to discover new/old book titles,

read their description, view their summary and prices.

This app also enables users to add their books into favourite section so that user can have a separate collection of books they are interested to read.

## PROBLEM STATEMENT

In this digital era where people share their hobbies like dance, music etc, there comes a need to provide an open platform to all those readers who want to explore new book titles every day and share their aspects regarding a book. This idea has led to building a book-specific social media app: Bookxholic, where people can connect over poetry, literature, blogs, articles, quotes, scriptures- writings that are worth reading.

## OBJECTIVE

The main aim of this project is to connect all the book lovers and avid readers out there, who then share their book lists and reviews. Also, this app will give readers a new perspective around the books that they have read, helping them understand the aspects that they never considered. The key components of Bookxholic are: (i) Explore Book Titles (ii) Description of various books . (iii)Price and Rating of book (iv)Favourite Section

(v) Room database

## WORKING METHODOLOGY

This system is intended to develop an open platform for all readers and book lovers where they get to explore new book titles and their aspects and description. This will also help them to share their own aspect for a particular book.

Functionalities are:

* Using this platform, we can view or add recent/trending book titles.
* This application contains a dashboard containing posts shared by different readers across the globe.
* Users can add information like name ,phone number and address.
* The user can add books to favourite fragment.
* User can see the realtime rating of the book.

## MODULES INCLUDED

* Profile – Details of User like- name, phone number and address.
* Favourite – Contains the list of books the user interested in.
* Bookxholic Dashboard – Section which contains a list of books with titles rating, price and writers name .
* About App – Detail and additional information about the application.
* Room: It is a part of the Android Architecture components which provides an abstraction layer over SQLite which allows for more robust database access while still providing the full power of SQLite.

## SPECIFIC REQUIREMENTS

* Hardware Requirement (Minimum)
  + 2 GB RAM
  + Android version (pie)
  + 50 MB disk space.
* Software Requirement

1. System Software
   * Operating System (Android)
2. Application Software
   * Tools used - Android Studio
   * Technologies used– Kotlin ,XML ,Picasso ,Room, Postman and

various android studio libraries.

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## TECHNOLOGIES USED

* Kotlin: It is an [open-source](https://en.wikipedia.org/wiki/Open-source), [back end](https://en.wikipedia.org/wiki/Front_end_and_back_end) based on JVM. Google announced it to be fundamental language for development of android app. It is somewhat similar to java.
* XML: It is extensible markup language, Front end. A metalanguage which allows user to define their own customized markup language. It consists of tags which stores some information, that is used to present data on screen.
* Picasso: It is a open source and widely used image download libraries in android. It simplifies the process of loading images from external URL’s and display them on application.
* Postman: It is an interactive collaborative application program interface tool which allows the mobile app developer , testers and other project stakeholders to communicate with each other to do a scalable API testing.
* Room: It is a part of the Android Architecture components which provides an abstraction layer over SQLite which allows for more robust database access while still providing the full power of SQLite.

## TEAM CONTRIBUTION

The strength of our team is 2 members:

* Sahil Vishwakarma (191500693)
* Snigdha Dhamija (191500816)

The modules are divided among the members as given below: (as planned till now)

Snigdha Dhamija – Frontend +Backend

Sahil Vishwakarma–Frontend + Backend

## LIMITATIONS OF THE SYSTEM PROPOSED

* It is one user interface application.
* The user can expect more features or want to gather more information.

## CONCLUSION

Bookxholic application is a real time project which is useful for all the book lovers and readers as this helps in building a social media sort of platform where they get to explore new book titles, get to know what is the current choice of readers and which

book has a different plot and aspect. They can like such shareable posts and also share their own experience of reading a particular book. Classifying on a broader aspect, this platform is a hobby oriented social platform where users can discover new things in this so-called Bookxholic!

* You can find all the new/trending book titles without searching every now and then on the internet.
* This platform will definitely be a world for all book lovers and readers who want to share their own aspects regarding a book or gain other reader’s point of view.
* The UI and features of the application is quite easy as it can be done installed on any

android device.

## REFERENCES

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