



THE READING ROOM

A Mini-Project Report
Under
Project Workshop

Submitted by
AASHYA KHANDUJA (71102130056)
RIJUTA.R.KULKARNI (71102130060)
VIDUSHI MISHRA (71102130125)

Under The Guidance Of
PROF. RATNESH CHATURVEDI

in partial fulfillment for the award of the degree
of

BACHELOR OF TECHNOLOGY
IN
COMPUTER ENGINEERING

at
MUKESH PATEL SCHOOL OF TECHNOLOGY
MANAGEMENT AND ENGINEERING, NMIMS, VILE PARLE
(WEST)

APRIL, 2015

CERTIFICATE

This is to certify that the project entitled “The Reading Room” is the bonafide work carried out by Aashya Khanduja, Rijuta.R.Kulkarni and Vidushi Mishra of B.Tech (Computer Engineering), MPSTME (NMIMS), Mumbai, during the IV semester of the academic year 2014-2015, inpartial fulfillment of the requirements for the award of the Degree of Bachelors of Technology as per the norms prescribed by NMIMS. The mini-project work has been assessed and found to be satisfactory.

Ratnesh Chaturvedi

Internal Mentor

Examiner 1

Examiner 2

Dean

Dr. D.J. Shah

DECLARATION

We, Aashya Khanduja, Rijuta.R.Kulkarni and Vidushi Mishra, Roll No. E001, E003 and E010 B.Tech (Computer Engineering), IV semester understand that plagiarism is defined as anyone or combination of the following:

1. Un-credited verbatim copying of individual sentences, paragraphs or illustration (such as graphs, diagrams, etc.) from any source, published or unpublished, including the internet.
2. Un-credited improper paraphrasing of pages paragraphs (changing a few words phrases, or rearranging the original sentence order)
3. Credited verbatim copying of a major portion of a paper (or thesis chapter) without clear delineation of who did wrote what. (Source: IEEE, The institute, Dec. 2004)
4. I have made sure that all the ideas, expressions, graphs, diagrams, etc., that are not a result of my work, are properly credited. Long phrases or sentences that had to be used verbatim from published literature have been clearly identified using quotation marks.
5. I affirm that no portion of my work can be considered as plagiarism and I take full responsibility if such a complaint occurs. I understand fully well that the guide of the seminar/ project report may not be in a position to check for the possibility of such incidences of plagiarism in this body of work.

Signature of the Student:

Name: Aashya Khanduja, Rijuta.R.Kulkarni, Vidushi Mishra

Roll No.: E001, E003, E010

Place: SVKM's NMIMS Mukesh Patel School of Technology Management and Engineering

Date: 22-04-2015

ACKNOWLEDGEMENT

In performing our project, we have taken the help and guidance of some respected people, who deserve our greatest gratitude. The completion of our project gave us much pleasure. We would like to show our gratitude to Prof. Ratnesh Chaturvedi, Course Instructor, MPSTME for providing us with guidelines for our project throughout numerous consultations. We would like to expand our deepest gratitude to all those who have directly or indirectly guided us in completing our app.

We would also like to thank our parents and friends who helped us a lot in finalizing this project within the limited time frame.

ABBREVIATIONS

1. Database – DB
2. Application – App
3. Libraries - Lib

ABSTRACT

In today's world, books are being replaced by video games and smartphones. The range of these forms of entertainment has grown so much that it is quite difficult to find an avid book reader among the throes of tech savvy people. Lib are dwindling and books are being catalogued digitally thus leading to the loss of the passion generated by books. The smell of old and worn out books, the crisp pages and the suspense of another story are now beloved by only a few people. The Lib present in Mumbai have a wide range of books across different genres but which are still unexplored by a wider population of this city. These Lib have not just books of different genres but journals, research papers, reference textbooks, audio and video CDs and ebooks which help inculcate the art of reading in all age spheres. But the popularity of these Lib is restricted to only those avid readers which again lead us back to the point of the loss of book reading.

Hence, the purpose of this app is to create a DB of the books present in the Lib across Mumbai. Here, we are currently hosting the following Lib - British Council; American; Asiatic Society and Tata Institute of Fundamental Research. The books are inserted into the DB using SQL lite. This app helps the users to find books that they require in the Lib in and around their area. This helps in time management and faster results as compared to when the user had to visit the Lib personally to find the book. Our app components include a menu, a search list wherein the books can be found by author or book name, a wish list for keeping a track of your to-read list and favorites for listing all the books you enjoyed and loved reading.

The Lib listed in our app have pages specially dedicated to them which provide the user with a brief overview of the library along with its contact details. These are constituted in the about us and contact us pages of the app. The design and aesthetic appeal of the app lies in its elegant and simple display. The splash screen and the app icon truly represent our app and its purpose.

Thus, the goal of our app is not just to create a network of Lib but also a platform to inculcate this dying art of reading.

TABLE OF CONTENTS

CHAPTER NO.	TITLE	PAGE NO.
	List of Figures	i
1.	INTRODUCTION	ii
	1.1 Requirements	ii
	1.2 Description	iii
2.	IMPLEMENTATION	iv
	2.1 Pages	iv
	2.2 App Icon	xiii
	2.3 Splash Screen	xiv
	2.4 DB Addition	xv
3.	ADVANTAGES	xvii
4.	DISADVANTAGES	xviii
5.	CONCLUSION	xix
6.	REFERENCES	xx

LIST OF FIGURES

CHAPTER NO.	TITLE	PAGE NO.
2.	IMPLEMENTATION	
	Fig.1.1 Menu List	v
	Fig 1.2 Wish list	vi
	Fig 1.3 Lists of Lib	vii
	Fig 1.4(a) Search Histories	viii
	Fig 1.4(b) Search Histories	ix
	Fig 1.4(c) Search Histories	x
	Fig 1.5 Wish List	xi
	Fig 1.6 Library Details	xii
	Fig 1.7 App Icon	xiii
	Fig 1.8 Screen Splash	xiv
	Fig 1.9(a) DB Search	xv
	Fig 1.9(b) DB Search	xvi

INTRODUCTION

We travel to places far and near to find the books we like. The wastage of time and inconvenience caused could have been substituted with 5 more indulging books. Hence, it was the need of the hour to create an app to shorten this problem to an extent where you know where to find the book you like in and around Mumbai.

Name: The Reading Room -> Synonymous to a library. Suggests a place where books stacked on high bookshelves are waiting to be read sitting on a comfy couch

Requirements:-

- A phone supporting version higher than 2.3.7 (Ginger Bread).
- Working Internet connection.

DESCRIPTION

- The basic function of this app is to find any book of your interest in and around the various Lib of Mumbai. The user can search the book by name, genre, author. You will be directed to Lib within your 10 mile radius by Google Maps.
- The app includes the following pages:
 - Menu
 - Wish list
 - Lib
 - Search
- The app has currently been updated to include the details of the following Lib:
 - Tata Institute of Fundamental Research
 - British Council
 - Asiatic Society of Bombay
 - American

IMPLEMENTATION

Pages

- STEP 1

- Start of collection of DBs
- Prospect: Minimum of 2 Lib
- Scenario: 2 library DBs collected (American Library, British Council)

- STEP 2

- Menu
- Home Page (link to all three pages) containing three main pages -
- Lib
- Search
- Wish List



Fig. 1.1 Menu List

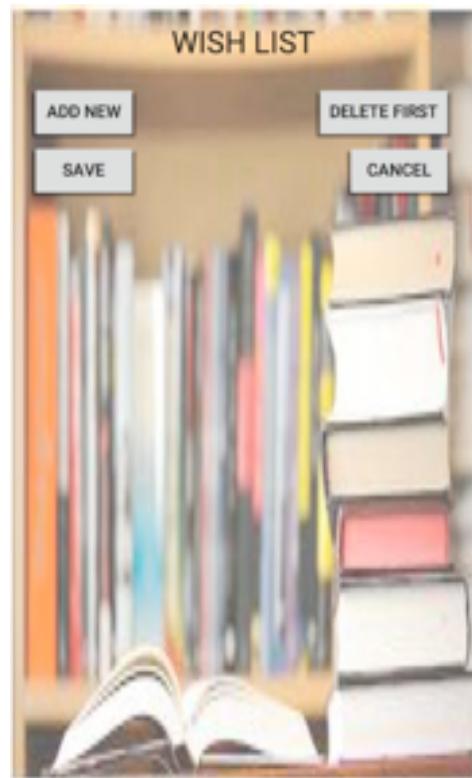


Fig.1.2 Wish List

- STEP 3

- Lib

- Page shows list of Lib containing the book the user



Fig.1.3 List Of Lib

- STEP 4

- SEARCH

- Allows user to search for books they wish to issue from the library
- User can also search history

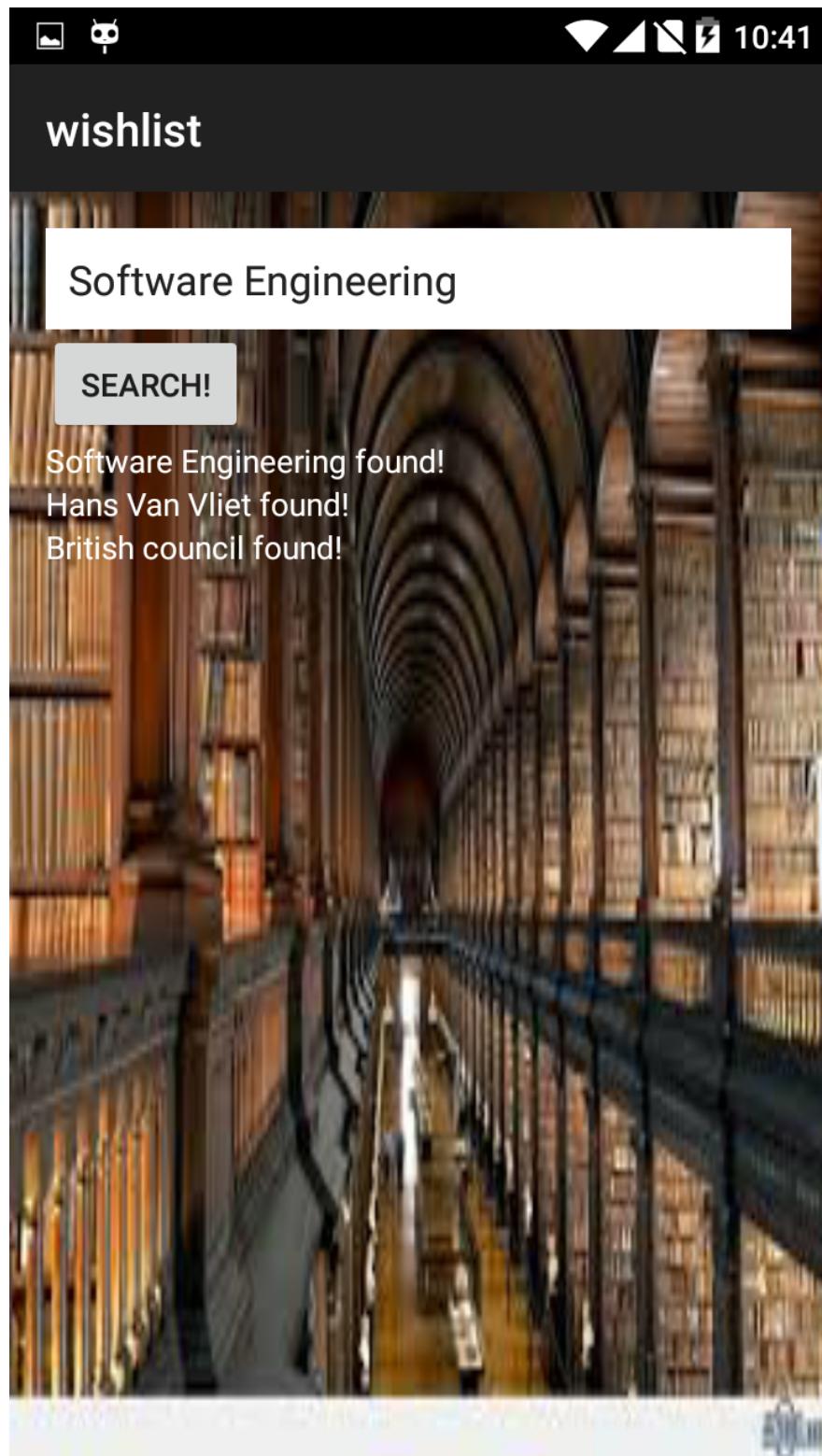


Fig. 1.4(a) Search History

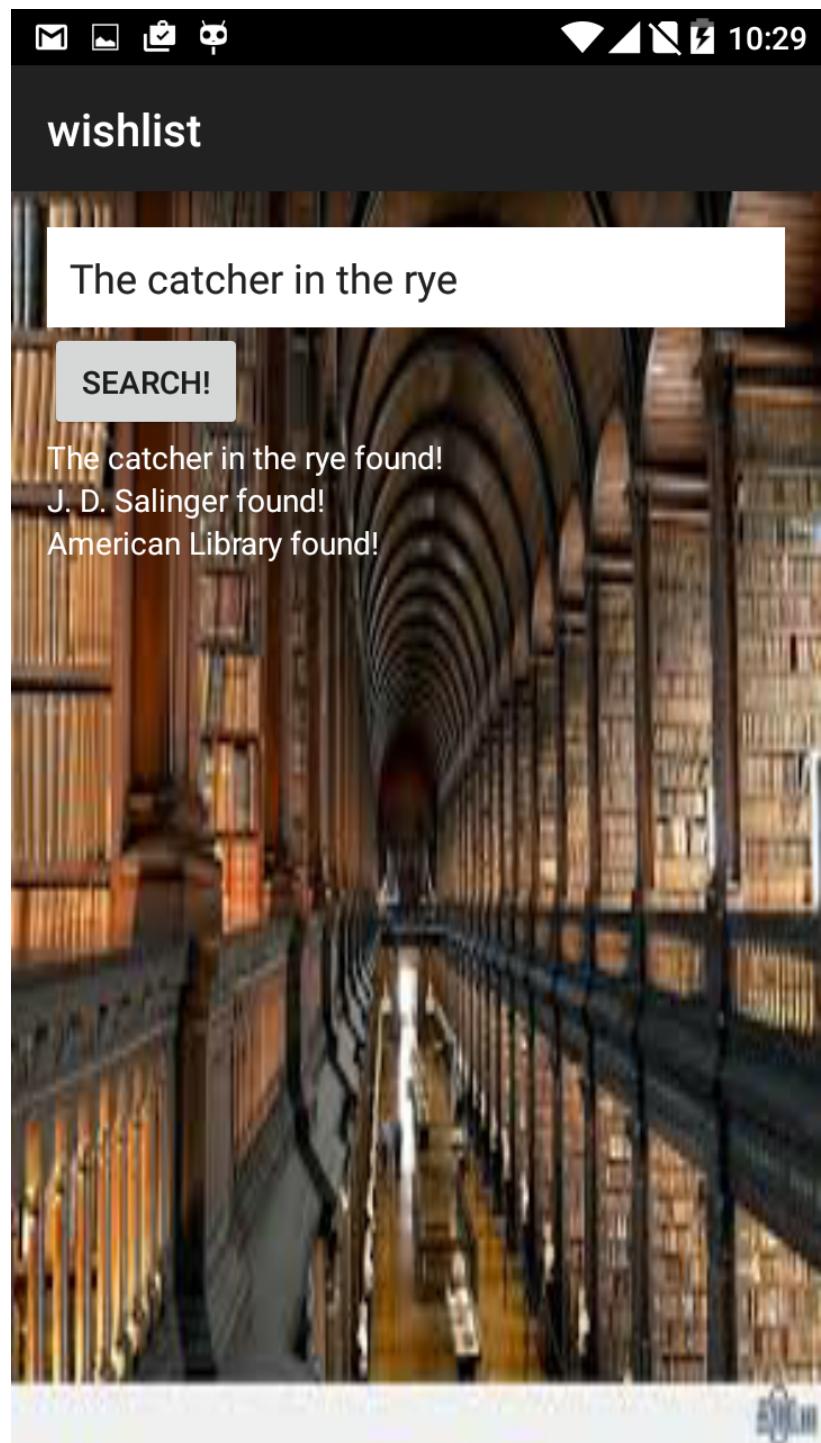


Fig 1.4(b) Search History



10:36

wishlist

Beauties & Cuties|

SEARCH!

Beauties & Cuties found!

Make Believe Ideas found!

Colours library found!



- STEP 5

- WISHLIST
- Page lists the names of the books that the user would like to read

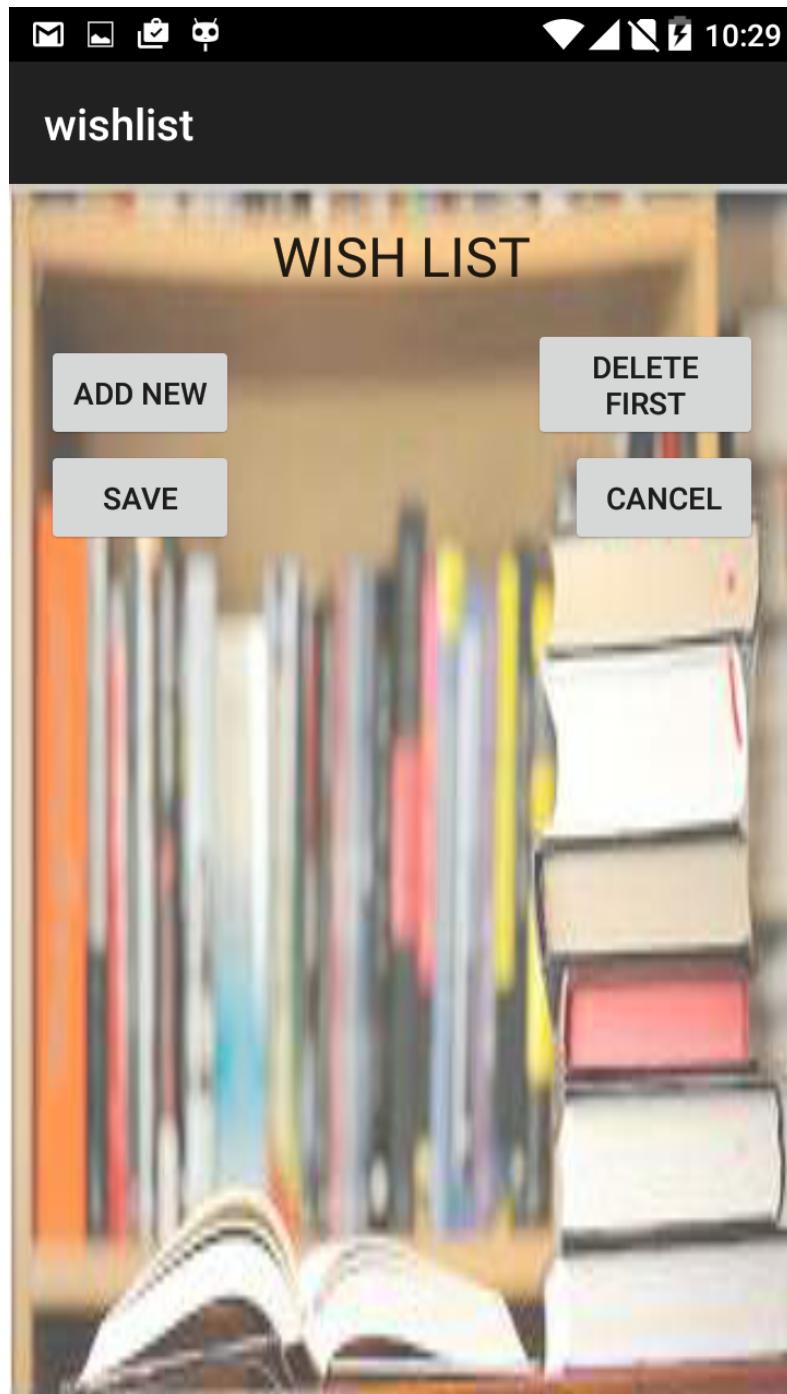


Fig. 1.5 Wish List

- STEP 7

- The details of each library have been included in the app which has the About Us and Contact Us details.



Fig. 1.6 Library Details

- STEP 8

--- App Icon

The icon of the App was designed keeping in mind the name of the App. The icon gives the image of the reading room. The icon was made using Photoshop.

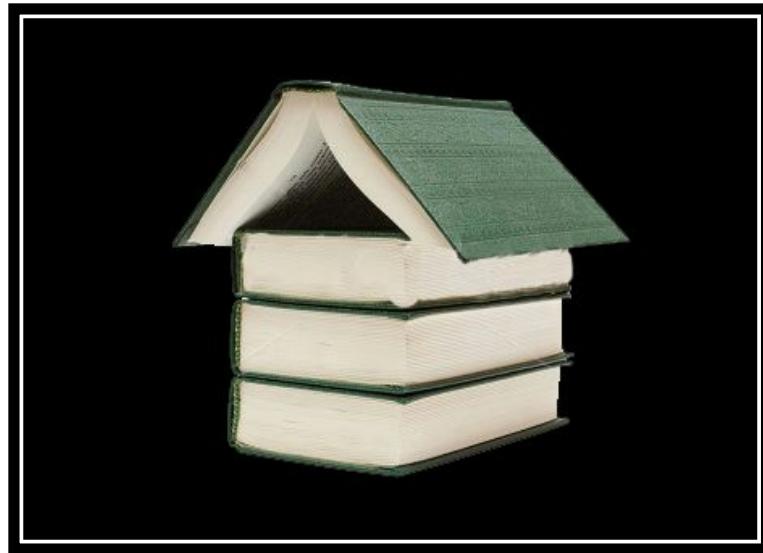


Fig. 1.7 App Icon

- STEP 9

--- Splash Screen

We added the feature of Splash Screen in our app in order to make it more attractive. The figure shown below appears for a few second after the user opens the App.



Fig. 1.8 Splash Screen

- STEP 10

--- DB Addition

We have added the DB to the app and have therefore implemented it in a manner that it gets stored in the app along with the first installation. It does not need to install the DB again and again, thus reducing the time it takes to start. We implemented search feature in the App which gives us the result of the book name, author and library name when we search for a book.

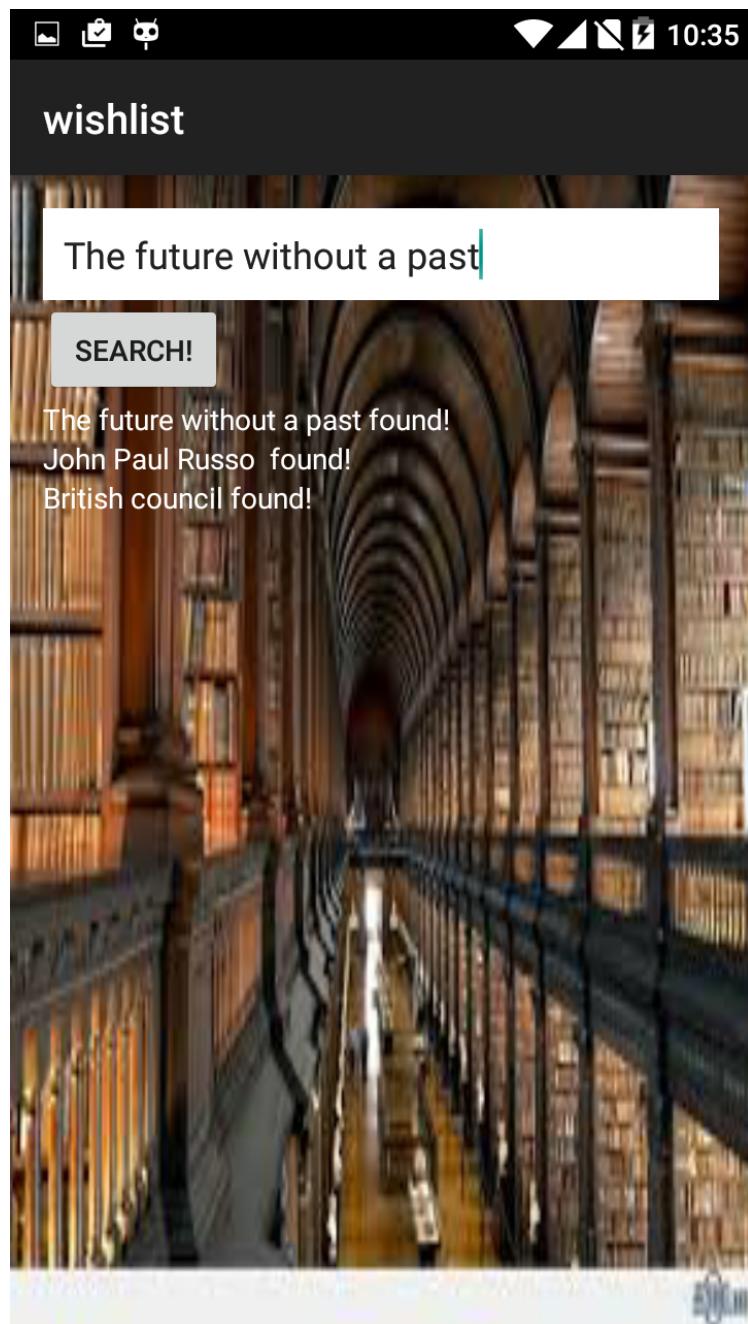


Fig. 1.9(a) DB Search

```
db.addBook(new books(7, "The pigeon needs a bath!", "Mo Willems", "American Library"));
db.addBook(new books(8, "Queen Victoria's bathing machine", "Gloria Whelan", "American Library"));
db.addBook(new books(9, "Anna & Solomon", "Elaine Snyder", "American Library"));
db.addBook(new books(10, "The lucky one", "Nicholas Sparks", "American Library"));
db.addBook(new books(11, "Twilight", "Stephenie Meyer", "American Library"));
db.addBook(new books(12, "Eclipse", "Stephenie Meyer", "American Library"));
db.addBook(new books(13, "Midnight's children", "Salman Rushdie", "American Library"));
db.addBook(new books(14, "The catcher in the rye", "J. D. Salinger", "American Library"));
db.addBook(new books(301, "The catcher in the rye", "J. D. Salinger", "British Library"));
db.addBook(new books(15, "The color purple", "Alice Walker", "American Library"));
db.addBook(new books(16, "The lion and the bird", "Marianne Dubuc", "American Library"));
db.addBook(new books(17, "Outside in", "Sarah Ellis", "American Library"));
db.addBook(new books(18, "Bombs over Bikini : the world's first nuclear disaster", "Connie Goldsmith", "Ameri
db.addBook(new books(19, "Violet Mackerel's possible friend", "Anna Branford", "American Library"));
db.addBook(new books(20, "The Boundless", "Kenneth Oppel", "American Library"));
db.addBook(new books(21, "Through the woods : stories", "Emily Carroll", "American Library"));
db.addBook(new books(22, "The night gardener : a scary story", "Jonathan Auxier", "American Library"));
db.addBook(new books(23, "Lulu's mysterious mission", "Judith Viorst", "American Library"));
db.addBook(new books(24, "Fly away", "Patricia MacLachlan", "American Library"));
db.addBook(new books(25, "Noggin", "John Corey Whaley", "American Library"));
db.addBook(new books(26, "Separate is never equal : the story of Sylvia Mendez and her family's fight for des
db.addBook(new books(27, "The finest hours : the true story of a heroic sea rescue", "Michael J. Tougias", "A
db.addBook(new books(28, "The slanted worlds", "Catherine Fisher", "American Library"));
db.addBook(new books(29, "Found", "Salina Yoon", "American Library"));
db.addBook(new books(30, "All different now : Juneteenth, the first day of freedom", "Angela Johnson", "Ameri
db.addBook(new books(31, "Screaming at the ump", "Audrey Vernick", "American Library"));
db.addBook(new books(32, "Cold calls", "Charles Benoit", "American Library"));
db.addBook(new books(33, "Everything leads to you", "Nina LaCour", "American Library"));
db.addBook(new books(34, "Salvage", "Alexandra Duncan", "American Library"));
db.addBook(new books(35, "The voice that challenged a nation : Marian Anderson and the struggle for equal rig
db.addBook(new books(36, " Hostage", "Kay Hooper", "American Library"));
db.addBook(new books(37, "Son of Sam case : Simon and Schuster Inc. v. members of New York State Crime Victim
db.addBook(new books(38, "Norman, speak!", "Caroline Adderson", "American Library"));
db.addBook(new books(39, "I didn't do my homework because...", "Davide Cali", "American Library"));
db.addBook(new books(40, "Upside down in the middle of nowhere", "Julie T. Lamana", "American Library"));
```

Fig. 1.9(b) DB Search

ADVANTAGES

- Elegant and Simple Display.
- Efficient Search of books.
- Core Lib of Mumbai included which has books of all genres catering to the needs of individuals from all age groups.
- Wish list feature helps to keep tabs of your future read ideas.

DISADVANTAGES

- Not everyone uses android phone.
- As the DBs of Lib are very large it is quite difficult to update them regularly.
- The app concentrates only on the city of Mumbai.

CONCLUSION

Thus, we successfully implemented our idea for an android app. We have understood the basics of making an android app. We now know how to use android studio for our future endeavours.

REFERENCES

- <http://www.androidhive.info/>
- <http://developer.android.com/index.html>
- <http://www.vogella.com/>