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CHAPTER 1 INTRODUCTION

1.1 Overview

Android is an extensive open source stage intended for cell phones. It is advocated by Google and possessed by Open Handset Alliance. The objective of the organization together is to "quicken development in versatile and offer buyers a more extravagant, more affordable, and better portable experience." Android is the vehicle to do as such.

[2]In that capacity, Android is changing the portable space. Out of the blue, it is a really open stage that isolates the equipment from the product that keeps running on it. This takes into account a considerably bigger number of gadgets to run similar applications and makes a significantly more extravagant biological community for engineers and buyers.

We should separate a portion of these popular expressions and see what's behind them

Comprehensive

Android is a far reaching stage, which implies it is a total programming stack for a cell phone. For engineers, Android gives every one of the apparatuses and systems for creating versatile applications rapidly and effortlessly. The Android SDK is all you have to begin producing for Android; you don't require a physical gadget. However, there are various devices, for example, Eclipse, for instance, that assistance influence the advancement life to cycle more agreeable.

[8]For clients, Android just works ideal out of the crate. Furthermore, clients can modify their telephone encounter significantly. It is, as indicated by a few examinations, the most

alluring portable working framework in the United States right now. For producers, it is the entire answer for running their gadgets. Other than some equipment particular drivers, Android gives everything else to influence their gadgets to work. That implies that producers can develop at the largest amount and raise their amusement an indent.

➤ **Open Source Platform**

Android is an open source stage. The majority of the stack, from low-level local, Dalvik virtual machine, application structure, and standard applications, is thoroughly open.

Beside the Linux piece itself, Android is authorized under business-accommodating licenses (Apache/MIT/BSD) with the goal that others can openly expand it and utilize it for assortment of purposes. Indeed, even some outsider open source libraries that were brought into the Android stack were changed under new permit terms.

In this way, as an engineer, you approach the whole stage source code. This enables you to perceive how the guts of the Android working framework work. As a maker, you can without much of a stretch port Android OS to your particular equipment. You can likewise include your own exclusive mystery sauce, and you don't need to drive it back to the advancement network in the event that you would prefer not to. There's no compelling reason to permit Android. You can begin utilizing it and altering it today, and there are no quid pro quos. Furthermore, Android has numerous snares at different levels of the stage, enabling anybody to expand it in unanticipated ways.

1.2 Project Approach

We will influence utilization of the elements of java to extricate deterministic highlights and after that to characterize them. The work will be done on "Android Studio" which is the IDE for the Android App Development.

Possible Ways

[2]We can either make utilization of the "Java" for actualizing our work or we can make utilization of "Kotlin" and numerous more alternatives are there however the most appropriate are these two. Additionally, "Java" is the official dialect of Android advancement and is bolstered by Android Studio. Kotlin was as of late presented as an auxiliary 'authority' Java dialect. It is likeJava from numerous points of view yet is somewhat simpler to get to grasps with.

Chosen Way

This undertaking work makes utilization of the "java". We have worked with java since "Java" is the official dialect of Android improvement and has a precarious expectation to absorb information be that as it may.

1.3 Problem Statement / Objective

The issue in the venture was to store the application's information on server and recover it powerfully. The test was handled by utilizing firebase and a few libraries were additionally utilized from the web.

CHAPTER 2 LITERATURE REVIEW

[1] A writing audit or story survey is a sort of audit article. A writing survey is an insightful paper, which incorporates the present information including substantive discoveries, and also hypothetical and methodological commitments to a specific subject. Writing audits are optional sources, and don't report new or unique exploratory work. Frequently connected with scholarly arranged writing, such surveys are found in scholastic diaries, and are not to be mistaken for book audits that may likewise show up in a similar production.[2][9]Android is an extensive open source stage intended for cell phones. It is advocated by Google and possessed by Open Handset Alliance. [9]The objective of the organization together is to quicken development in versatile and offer buyers a more extravagant, more affordable, and better portable experience. Android is the vehicle to do as such. [6]This app is based on cloud storage and for storage of data we have used the firebase it is a powerful tool to be used and quite easy.[3] Many libraries are also used for example Butter Knife , this library makes the syncing of the elements to the backend very easily and the line of code is of 2 lines only for one element. [4]UI plays an important role in any application and the UI is the part that needs both time and creativity but internet has lots of data which make this task a little bit easy to do.[5]The android studio the platform to develop app is the powerful IDE for the android app development it supports the wide range of programming language and has many features that are used in the development.[10]And some of the crawling is done from the different source some solutions to the problems were found and some efficient ways to do the task.

CHAPTER 3

MATERIAL AND METHODOLOGY

3.1 Software Requirements

S. NO.	HARDWARE	SOFTWARE
1.	Intel Core i5	Operating System: Windows 10
2.	8 GB RAM	Android Studio
3.	-	Firebase

3.2 Technologies Used

- **Java**



[6]As already mentioned, the project working requires use of “Java” to successfully tackle the problem statement. Java is a high-level programming language originally developed by Sun Microsystems and released in 1995.



Firebase

[1] Firebase frees developers to focus crafting fantastic user experiences. You don’t need to manage servers. You don’t need to write APIs. Firebase is your server, your API and your data store, all written so generically that you can modify it to suit most needs. Components of Firebase used are:

Firebase Auth: Firebase Auth is a service that can authenticate users using only client-side code.

Real-time Database: Firebase provides a real-time database and backend as a service.

Firebase Storage: Firebase Storage provides secure file uploads and downloads for Firebase apps, regardless of network quality.

CHAPTER 4

PROPOSED WORK

Buckist Best Bucket List App is a great application which enables you to make and deal with a rundown of activities before "you die! By setting down those things, you may discover more inspiration and motivation throughout everyday life. Buckist was outlined wonderfully with great client encounter. You will feel great while utilizing the application. "

Some primary highlights of Buckist :-

- Add basin list thing with magnificent component picture
- Synchronize can list crosswise over gadgets
- Inspirations list where you can investigate different clients thoughts and list of things
- Reminder for every thing
- Create numerous custom classes with dazzling symbol
- Secure your application with PIN code
- Customize application with numerous topics
- Share your plans to Facebook

"We will include increasingly valuable and intriguing highlights into this magnificent application soon.

So Basically this application will assist you with making your life all the more intriguing and your dreams clearer. "

Working

[4]Buckist starts with the Dashboard Activity, the space where all the bucket list items are listed. The activity contains some toolbar menu options also. The drawer menu on the left side which itselfs contains several options shown in the fig and on the right side there are there are 3

Buckist – Just Record and Perform

options category filter, sort by , to change cover pic. There is also a “+” button to add new item to bucket list.

➤ **Drawer**

The drawer menu comes out from the left side and it contains 10 options

- Dashboard
- Login
- Categories
- Inspiration
- Remove Ads
- Backup
- Settings
- Rate Bucket List
- Feedback
- More Apps and Games

And if you are already logged in then the “login” is replaced by the “Account”.

First of all you will need to login and when you click on the login button you will be redirected to a page and you will have 2 login options

- Facebook
- Google

And one Hyperlink to privacy policies of the Icedtealabs.

○ **Dashboard**

Dashboard button will take you to the dashboard page where all your list items exist.

○ **Account/Login**

[7]Account if you are logged in and Login if you are not logged in

Account button will take you to the fragment where your account stats are shown.

Stats options are

- Number of buckets

- Number of categories
- Number of achieved buckets
- Number of followers
- Number of followings

There are 2 buttons bellow

- View Profile
- Logout

View Profile will jump to profile page which shows your

- Profile Picture
- Followers
- Following
- Your list items

○ **Categories**

The categories field contains the categories of the list items. There are by default 5 categories

- Travel
- Health and Fitness
- Work
- Learning
- Love

[5]And we can add and delete as many categories as we want of our choice by clicking on the “+” button on the bottom right corner. Also we can assign icons to them.

○ **Inspiration**

In this Section we can explore the posts of the people from all over the world and we can add there ideas to our list also.

○ **Remove Ads**

We can remove ads here by paying some amount.

○ **Backup**

We can backup our photos to google drive and can restore photos from the google drive.

○ **Settings**

In this section we can change the appearance and add a security to our app . It also shows the in app purchase history and about the app version and the history of the updates of the app.

The page contains:

- DISPLAY
 - Theme
 - Font
- SECURITY
 - Enable PIN Code
- IN APP PURCHASE
 - Purchase History
- ABOUT
 - Change Logs
 - App Version
 - Privacy Policy

○ **Rate Bucket List**

We can give rating to this app according to our experience.

○ **Feedback**

We can write feedback to the app.

○ **More Apps and Games**

This is a hyperlink and takes us to the google play store where other apps from the developers are shown.

Category Filter

We can filter the item according to the categories we created and the categories we want to see. It will show all the categories present in the categories.

Sort By

We can sort the items according to the Title and Target Date of the post in the ascending or descending order or new first or old first respectively.

Edit Cover Pic

We can edit the cover pic here. We have three option here

- Select cover photo
It will ask for the permission to access the photos in your device
- Capture cover photo
It will ask for the permission to access the Camera
- Remove cover photo
It will remove the cover pic

Add (+) Button

We can add new Bucket list items here. Information needed to add new items are:

- Photo
- Title
- Description
- Category
- Target Date
- Achieved Date
- Update To-do List
- Publish to Inspiration
- Submit Button

List Item

[3]We can manage the item by clicking on it. When we will click on the post it will show thw photo and the information provided by the user and there more option to:

- Delete
- Achieved
- Edit

CHAPTER 4

RESULTS AND DISCUSSION

The scope of the project is important because of the vast amount of information available on the internet. Android is a vast field and it is not only limited to phones but works on different platforms. Android has become very popular as it is an Open-Source, Linux-based Operating System, mainly designed by Google for smart-phones and tablets. It is designed in such a way that allows the developers can develop apps in different ways as per their need and wish.

Firebase is unrivaled, to the extent I am concerned, with regards to how rapidly you can move as an engineer. Its ongoing association highlights can spare you from composing gigantic parts of an application. Consequently, you need to make a couple of penances, and you can't consider the information similarly as a more normal API. On account of building generation applications, it merits working through the majority of your necessities previously you hop in, yet for evidence of-idea or fun activities.

4.1 Screen-Shots

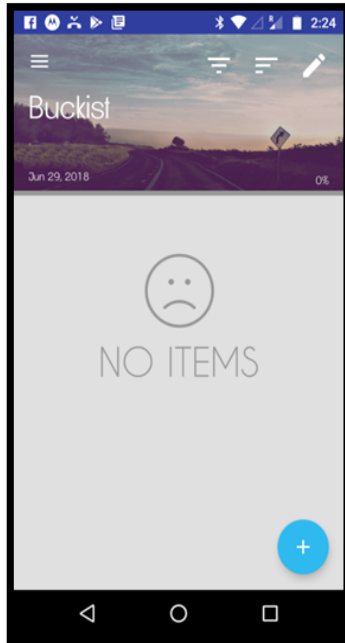


Fig. 1
DashBoard

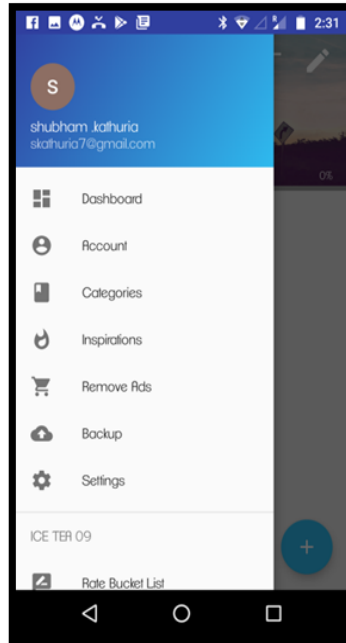


Fig. 2
Drawer Menu

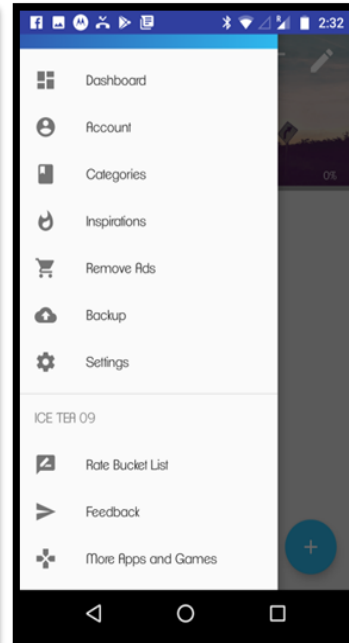


Fig. 3
Drawer Menu

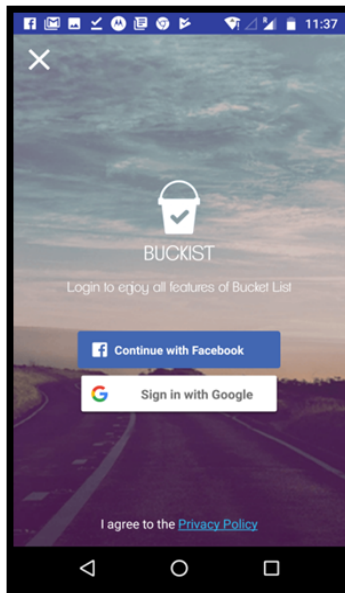


Fig. 4
Login Page

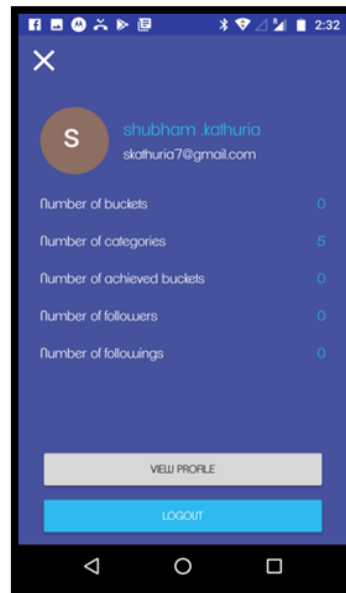


Fig. 5
Account

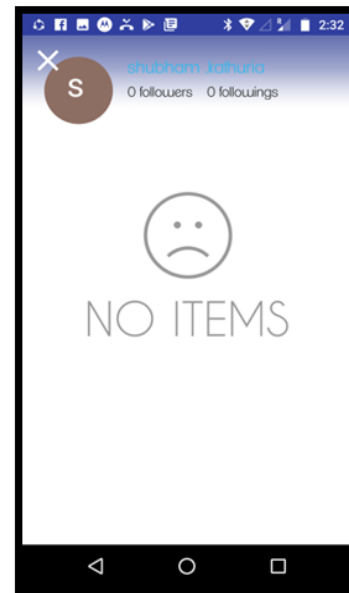


Fig. 6
Profile

Buckist – Just Record and Perform

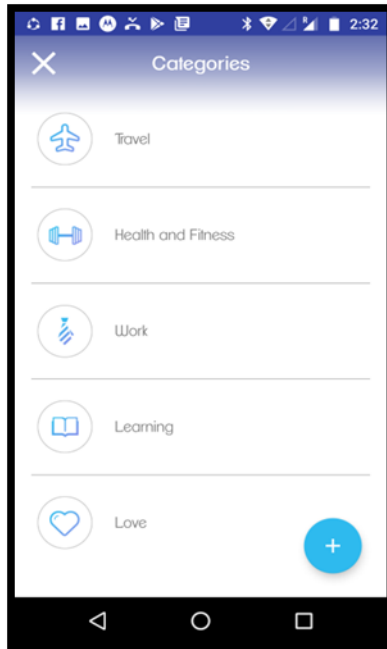


Fig. 7
Categories

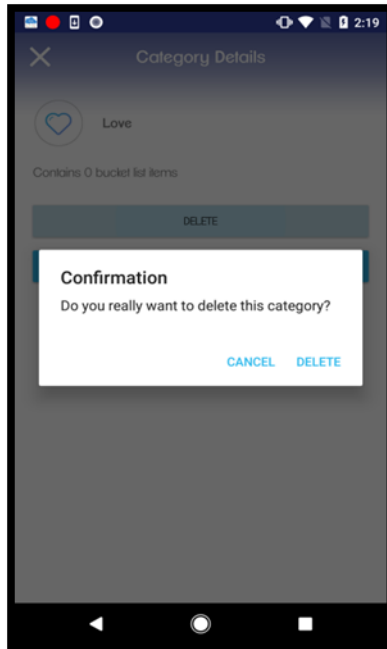


Fig. 8
Category Details

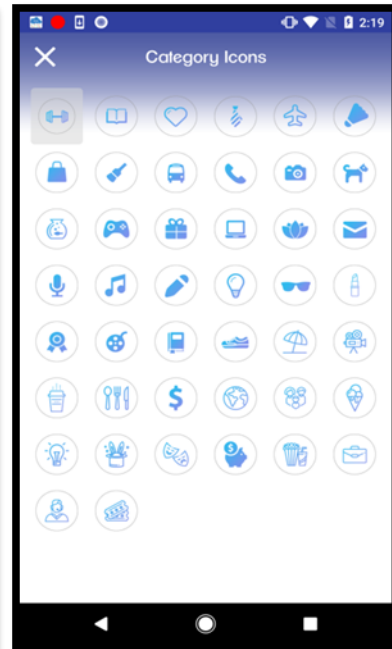


Fig. 9
Category Icons

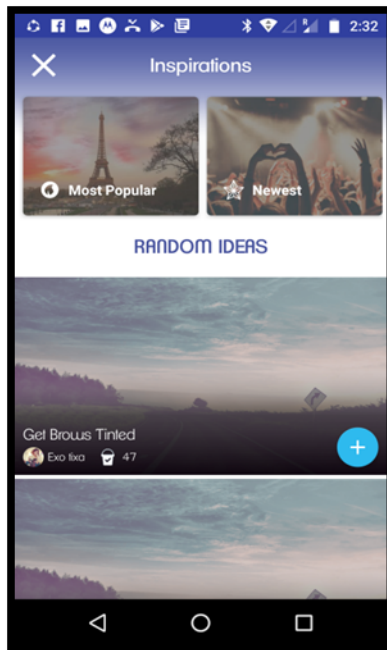


Fig. 10
Inspiration

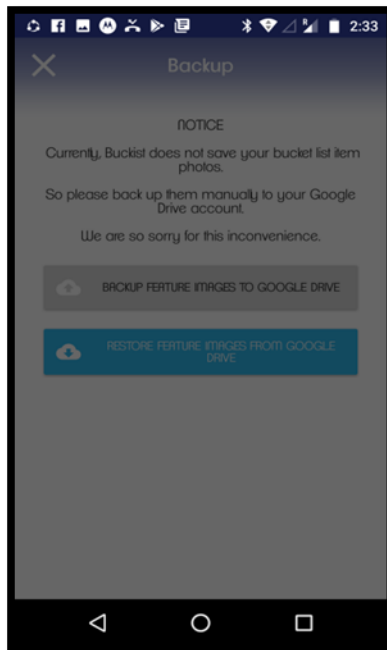


Fig. 11
Backup

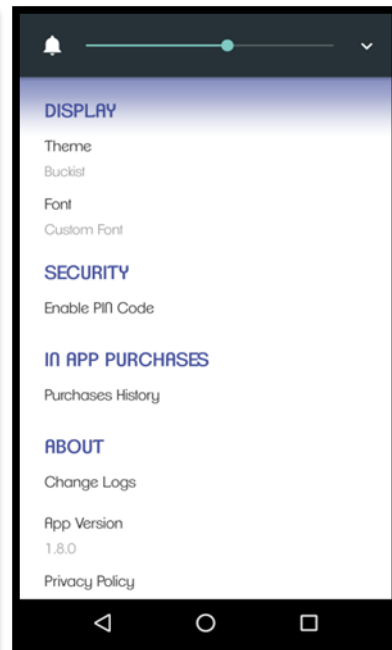


Fig. 12
Settings

CHAPTER 5 CONCLUSION AND FUTURE SCOPE

As we have just examined that android OS keeps running on over 75% of the cell phones in India. The worldwide figures are considerably bigger with over 85% of cell phones running on android OS which demonstrates that there are huge amounts of preferences of picking android stage for application improvement.

Here are some outstanding advantages of picking android application advancement instead of different stages, for example, iOS, Windows, Blackberry OS and so forth.

Android is Open Source

Android is an open source versatile working framework that gives application designers an opportunity to utilize the source code and create powerful and streamlined applications. To begin creating applications you simply need to download Android SDK which is free and there are no permitting costs.

Adaptable User Interface

Applications that are based over Android are very versatile and adjustable. There are different customization choices accessible for application designers that empower them to offer shape to their inventive thoughts and convey streamlined applications to the android clients.

Massive Mobile App Market

Android portable application showcase isn't limited to just Google Playstore, there are different commercial centers also where you can send android applications. The greater part of these application markets enable engineers to send their application for nothing.

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