Note app developing with Android Studio software

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Abstract-In this Today's generation in the society every one, children to the elders are using mobile phones and electronic devices or gadgets. using mobile phone and not moving from the play fully addicted to the mobile phone, tv etc. without doing an physical works there body or organs are effecting due to the effect, small diseases forms like short time memory loss, diabetes 20% to 30%, being overweight, heart disease etc. so we have selected this project based on the short time memory loss to remind the person about his activity that have to do. So our team has decided to develop an application. we named it keep memo it means whatever the thought is in your mind you can note it we have used firebase to store data of the user whenever the user logout and login the data will be safe and secure outsider can not be access. It is fully usable in todays era. Our application provide separate account to the users and it is very simple to operate and understand small kid to the elder men can also use this it helps to note down groceries list, bucket list, payment dues, thoughts, important words which is difficult to understand, web sites, study stuff, you can also maintain daily routine diary can do lots of things in this application it will help full to remind.it allows you to edit, create, open documents, close documents, save etc.
(If you wish to forgot anything on the spot, make a note that this thing is to be remembered. By- Edgar Allan Poe)

1. INTRODUCTION

The Android Notes Application is designed to cater to the common challenge of taking notes during fast-paced events when there isn't enough time to grab pen and paper. Note-taking is the act of capturing information from various sources or events. This can take the form of writing down important points, quickly snapping pictures, abbreviating key concepts, scanning documents, labeling specific details, clarifying ambiguous content, and defining unfamiliar terms. With note-taking apps, users can type on their mobile devices just as they would on paper, making it a convenient and efficient way to jot down thoughts and ideas.

This particular application is developed specifically for Android devices using the Java programming language. It is a completely native application, designed to leverage the latest features and capabilities of the Android platform to create a seamless and user-friendly experience[1]. The Android Notes Application offers a range of functionalities, allowing users to store important notes, keep track of daily activities, and even save photos directly within the app. It utilizes the device's local storage as a backend support system for storing user data securely.

At its core, the notes app serves as a robust tool for storing vital information and personal notes. It provides a comprehensive set of features including note creation, storage, retrieval, and editing capabilities. With this app, users have the ability to digitally store all their notes and important information in one centralized location, eliminating the need for physical papers and saving a significant amount of time[2].

By using the Android Notes Application, individuals can streamline their note-taking process and enhance productivity by embracing digital methods. The app offers a user-friendly interface and a range of features that enable users to store and manage their notes effectively. Whether it's keeping track of important tasks, recording vital information, or simply organizing ideas, this app offers a reliable and efficient solution. Embracing digital note-taking can revolutionize the way individuals approach documentation, enabling them to maximize their efficiency and focus on what truly matters.

2. LITERATUREREVIEW

The leading note-taking apps make taking notes on the fly simple, whether it's for promotions, ideas, business details, or reminders. These apps are designed to provide convenient and efficient ways to capture important information whenever and wherever you need to. With the widespread availability of mobile

devices, especially smartphones, note-taking apps have become increasingly common and essential in our daily lives. They offer a wide range of features and functionalities that cater to different users' needs and preferences. Whether you're a telephone engineer, a secretary, or simply someone who gets inspired by ideas while commuting, having the ability to take notes on your mobile phone can be a real benefit[3].

One type of note-taking app is the notepad application, which is specifically designed to store and organize important information and notes on your device. You can use these apps to type on your devices just as you would on paper, allowing you to create to-do lists, jot down important notes for future reference, and more. The purpose of using a note-taking app is to ensure that you can capture the essence of the information you come across without having to rely on memory alone. In today's world, where technology plays an integral role in our lives, digital note-taking has become the norm.

The best note-taking apps can significantly enhance your productivity and creativity. While writing things down on paper may seem convenient, it's easy to misplace or lose important notes. However, with note-taking apps, you can keep your thoughts, ideas, and electronic notes safe, secure, and easily searchable whenever you need them. These apps often provide cloud storage options, allowing you to access your notes from multiple devices and ensuring that your data is backed up[4].

As technology continues to advance, we can expect to see note-taking devices becoming more sophisticated. The addition of pens and styli, as well as advancements in digital ink technology, will further enhance the note-taking experience. This will have a significant impact on various sectors, including education, with note-taking devices finding their place in classrooms in innovative ways.
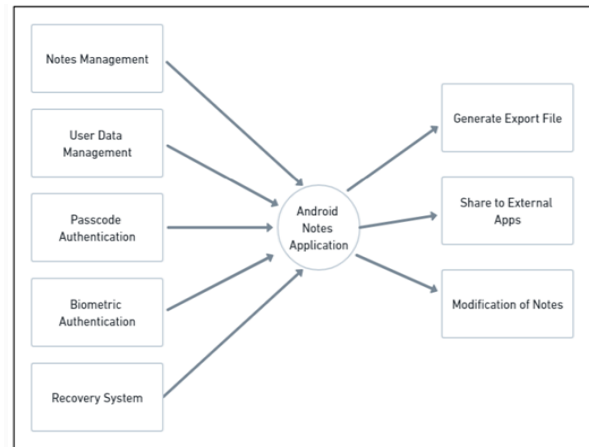
The development of note-taking apps involves the use of programming languages like Java and tools like Android Studio. By utilizing the Android Studio platform, developers can easily build note-taking apps that are compatible with various Android models and screen sizes. Additionally, to ensure seamless data storage and retrieval, native applications are often developed using the Java SDK and incorporate SQLite or firebase as the backend database. SQLite is an in-process library that offers a self-contained and transactional SQL database engine[8]. It requires zero

configuration, making it easy to integrate into an application without the need for extensive setup.
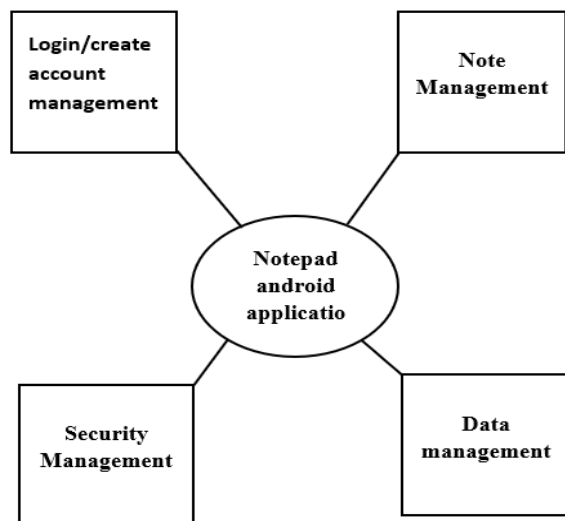
In conclusion, note-taking apps have revolutionized the way we capture and organize information. They provide a convenient and efficient solution for individuals in various personal and professional settings. With advancements in technology, note-taking devices and apps will continue to evolve, offering even more features and functionalities to enhance our productivity and creativity. The development and integration of programming languages like Java and tools like Android Studio crucial role in creating robust and user-friendly note-taking applications.

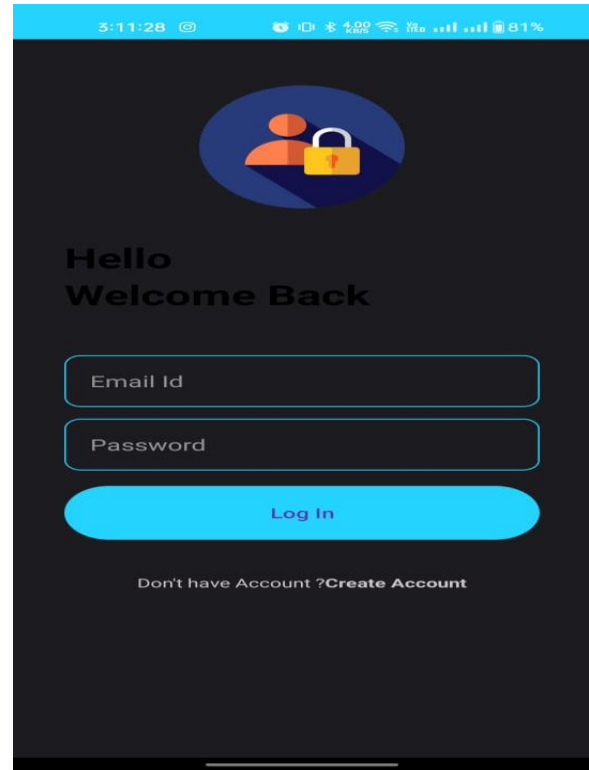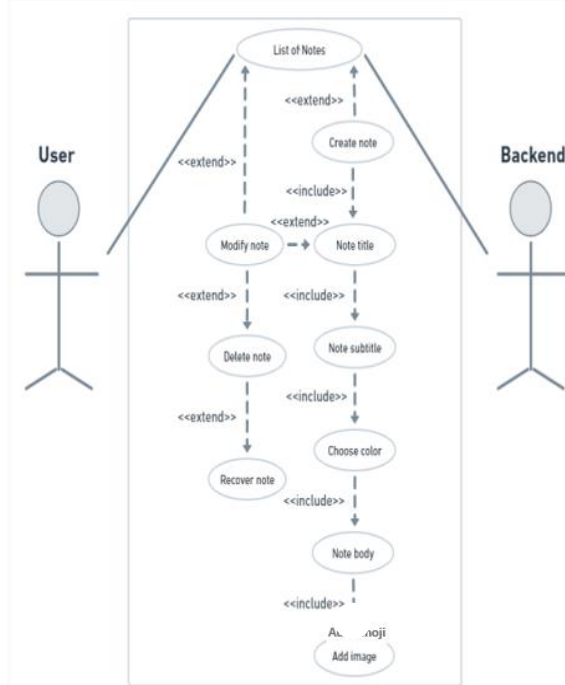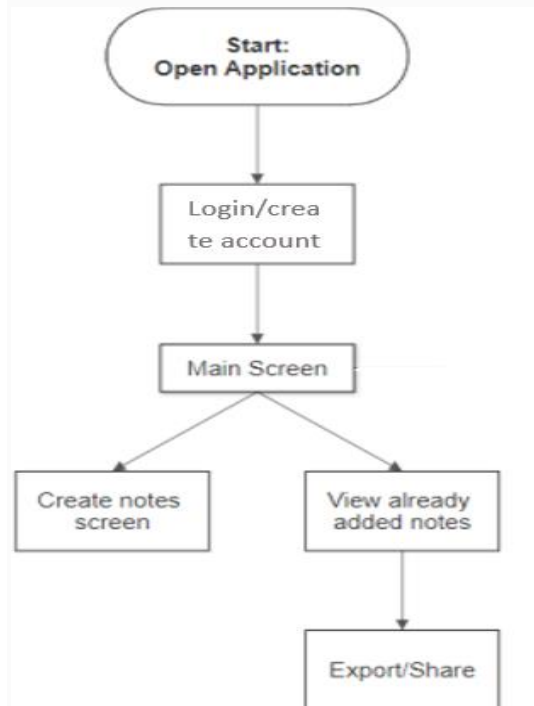### 3. DATA FLOW DIAGRAM

- DFD level 0
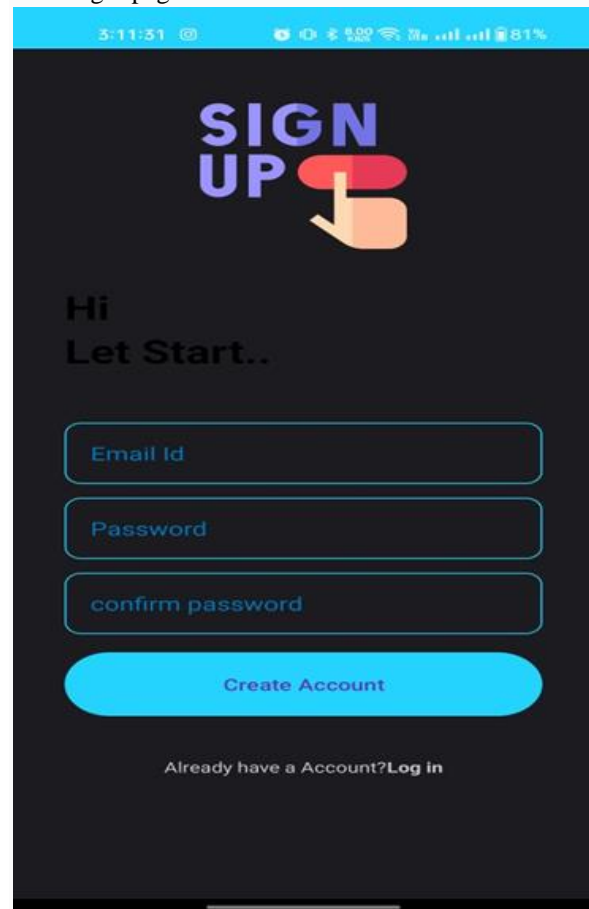

- DFD level 1

Use case diagram
- DFD level 2

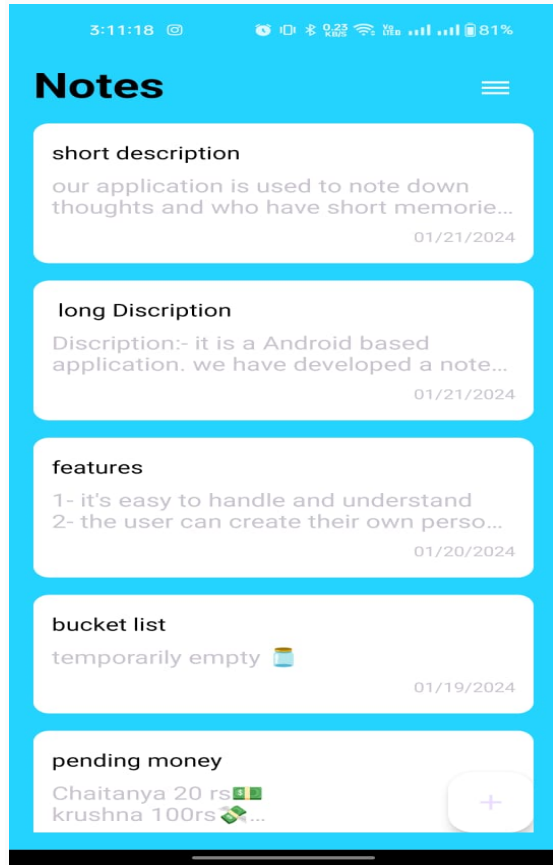4. APPLICATION FLOWCHART
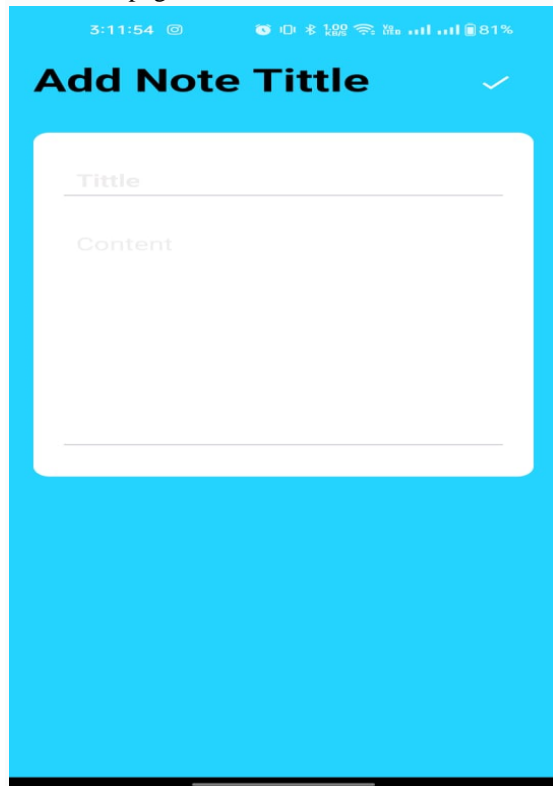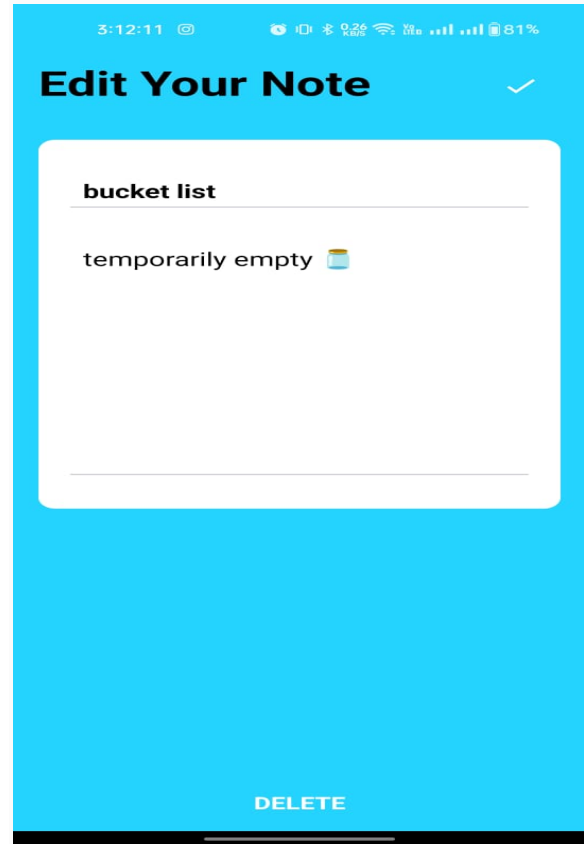

5. USER INTERFACE DESIGN

➢ Login page.

➢ Sign in page.

➢ Adding note page

➢ After adding note / Delete note/save note.

5.APP PUBLISHMENT

Keep Memo Application is published in amazon app store currently but in our group we have decided to publish application in upper level store (google play store)

Every application must publish in store by the developer there are step to publish

1. Make a Google Play Engineer Account:
Go to the Google Play Developer Console.
Sign in together with your account or make one.
Pay a one-time enrollment charge (as of my final information overhaul in January 2022, it was $25).

2. Make a Modern App:
Within the Designer Comfort, tap on "Make App."
Enter the default dialect and the title of your app.

3. Plan Your App for Release: CA_NEWLINE_CA
Create and test your app completely, guaranteeing it complies with Google Play Policies.
Construct the ultimate form of your app.

➢ Home page.

4. Transfer Your App:

Within the Designer Comfort, go to the "App releases" section.

Tap on "Oversee Generation" (or another track in case you're utilizing beta or alpha releases).

5. Total the Store Listing:

Fill within the store posting subtle elements, counting a depiction, screenshots, recordings, and realistic assets.

Give data such as category, contact subtle elements, and a security approach link.

6. Set Estimating and Distribution:

Select whether your app will be free or paid.

Set up estimating subtle elements on the off chance that it's a paid app.

Select the nations where you need your app to be available.

7. Design Substance Rating:

Allot an fitting content rating for your app. Google gives a survey to decide the fitting rating.

8. Audit and Publish:

Survey all the data you've entered.

Press "Spare" and after that at the bottom of the page.

In the event that everything looks great, tap "Begin Rollout to Generation" or "Publish."

9. Hold up for Review:

Google will audit your app, and this prepare may take a number of to a few days.

You'll get an email once your app is affirmed, and it'll be live on the Play Store.

10. Post-Launch:

Screen client audits and appraisals. React to client criticism and address any issues promptly.

Consider advancing your app through different channels to extend visibility.

Tips:

Keep your app overhauled with unused highlights and bug fixes.

Pay consideration to client criticism and make enhancements accordingly.

Remain educated around any approach changes on the Google Play Store.

Continuously allude to the official documentation for the most up-to-date data as methods and rules may alter overtime.

6. CONCLUSION

There are numerous note apps accessible on the Google Play Store, but in the event that you're searching for a basic one with no chimes and shrieks, at that point you ought to check out Straightforward Note app[6] .As the title recommends, this app is exceptionally straightforward and doesn't incorporate any favor highlights. In any case, it does have all the basics that you just anticipate from a note app, such as the capacity to make, alter, and erase notes. The interface is additionally exceptionally user-friendly, so you shouldn't have any inconvenience getting the hang of it.

It'll be a phenomenal extend to work on since it can be utilized for a assortment of purposes. Content input is utilized to form SMS apps, mail apps, and anything else that requires it. Able to see at sparing and opening records, as well as the strings and recycler sees, with this feature.

From the inquire about we caught on that, as of now, the popularization of the web has driven to a decay in income within the paper industry, but the write and pencil industry's income has developed in later a long time. These clashing numbers are uncertain in respects to whether or not understudies are abandoning paper-based Universal Inquire about Diary of Modernization in Building Innovation and Science Numerous understudies are taking advantage of the hardware within the classroom. In conclusion, major benefits of the extend are:

No reach impediments, it gives a user-friendly GUI which comes about in holding of clients.

Media attachment support and inbuilt scanner to scan notes.

Flexibility for users to generate various files of notes such as. Png, pdf, txt

Inbuilt Passcode and biometric security.

Lightweight SQLite database.

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