

SAFEEX - A password saving android application with backup feature

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ABSTRACT

Our project is password managing android application .Remembering the passwords have become very hard for us. So we have thought about it and here with the solution as a password storing android application.We have made with the help of android studio,Sqlite,android java , XML, ,Firebase,FCM and trigger mail.

KEYWORDS

Android studio,Sqlite,android java , XML(Extensible markup language),Firebase,FCM(Firebase cloud messaging) and trigger mail.

1.INTRODUCTION

As our project is password saving application , you have no need to remember even one password as you can open our application by your fingerprint. As soon as application is open you can click on “+” and start saving your passwords . You can also delete the passwords when ever you want and update as well . Whenever the application is uninstalled by you or some one else you will get the mail on given email address by you consisting of all the password that you have saved.

2.NEED AND APPLICATION

In this modern world everything is digital and to come up with that we are using websites and applications in our daily lives . As we create our own account we have to give password to it .As the world have become modern thieves to have become modern and cyber crime are increasing . As Phishing is most common . In this attack attacker shows you the dummy mail or message to login in that site as soon as you do that you password

is saved and used for other websites as well. Most of times they become successful as most people are keeping their passwords same everywhere. So it becomes important for us to keep password different and safe. To come up with it we need a password manager which can store passwords safely.And the use of our application is to store passwords.

3. FEATURES

- *Fingerprint lock
- *All passwords at one place
- *Can add one site and multiple account password
- *Features like updating,deleting and deleting all password
- *Getting backup as a mail of password(future Implementation)

4.LITERATURE SURVEY

The modern computer password was introduced to computer science and the wider world in 1960 by Fernando Corbató. We look at its history and impact.The password is nothing new. In fact, it has been around for centuries. Way before Hotmail, Skype and Netflix were prompting you to create a secure code with a funky username, the Roman military reportedly used passwords as a way to distinguish friend from foe. Essentially, it was a simple way to protect information. Fast forward a few thousand years and enter Fernando Corbató.Widely regarded as the godfather of the modern computer password, he introduced the idea to computer science while working at the Massachusetts Institute of Technology (MIT) in 1960.The university had developed a huge Compatible Time-Sharing System (CTSS) that all researchers had access to. However, they shared a common mainframe as well as a

single disk file. To help keep individual files private, the concept of a password was developed so that users could only access their own specific files for their allotted four hours a week – hey, computer time was limited back in the 60s. Although the password was less than perfect, something [Corbató is the first to admit](#), it went on to become the go-to method for computer security, both in the personal and corporate spheres, due to its simplicity (although this would later be seen as one of its faults).

MAJOR SOFTWARE TOOLS USED

4.1) ANDROID STUDIO

Android Studio is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development.

4.2) ANDROID JAVA

As we are making android applications we are using android studio as a developing environment and the main language is java in which we are building and in android studio we have android java.

4.3) SQLITE

SQLite is a popular choice as embedded database software for local/client storage in application software such as web browsers. It is arguably the most widely deployed database engine, as it is **used** today by several widespread browsers, operating systems, and embedded systems (such as mobile phones), among others. As we are saving passwords we need a

database for it and so we are using SQLite.

4.4) FIREBASE

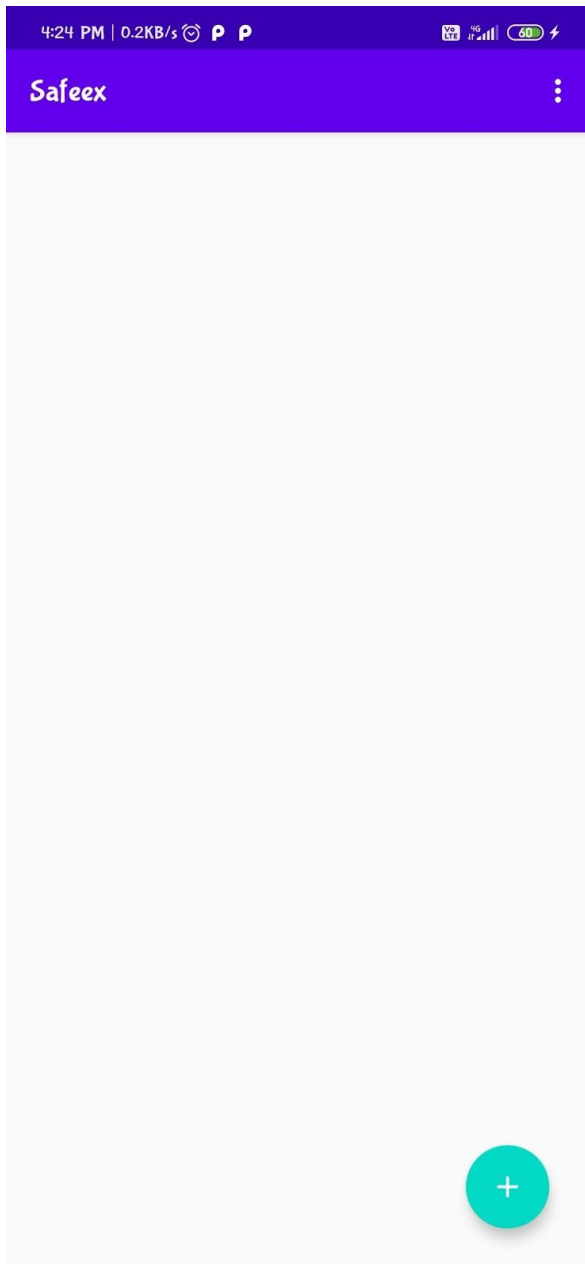
Firebase is a toolset to “build, improve, and grow your app”, and the tools it gives you cover a large portion of the services that developers would normally have to build themselves, but don't really want to build, because they'd rather be focusing on the app experience itself. This includes things like analytics, authentication, databases, configuration, file storage, push messaging, and the list goes on. The services are hosted in the cloud, and scale with little to no effort on the part of the developer.

4.5) TRIGGER MAIL

A trigger email is an automated email that marketers send to inform customers and show that the company they've subscribed to is a reliable brand. A trigger email is an automatic reaction to a subscriber's particular action or behavioral pattern. As we are sending the email when ever our application is uninstalled we are sending the feedback mail for our improvement purpose . In future Implementations we are going to use this for sending your saved password in email as a backup.

5.METHODOLOGY

5.1)



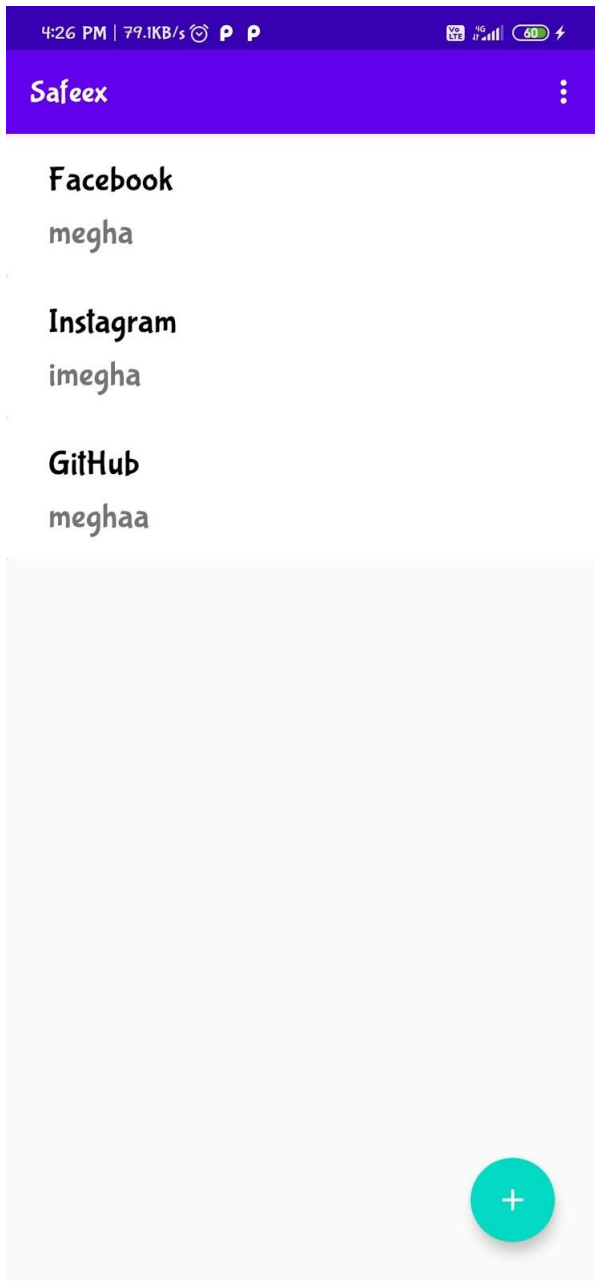
As soon as you open the app you have enter it with your fingerprint and you will be displayed the screen aboved in which you have to select on the “+” and open it.

5.2)



Add all the detail . This details will be stored in SQLite database and can be seen whenever you want to see it.

5.3)



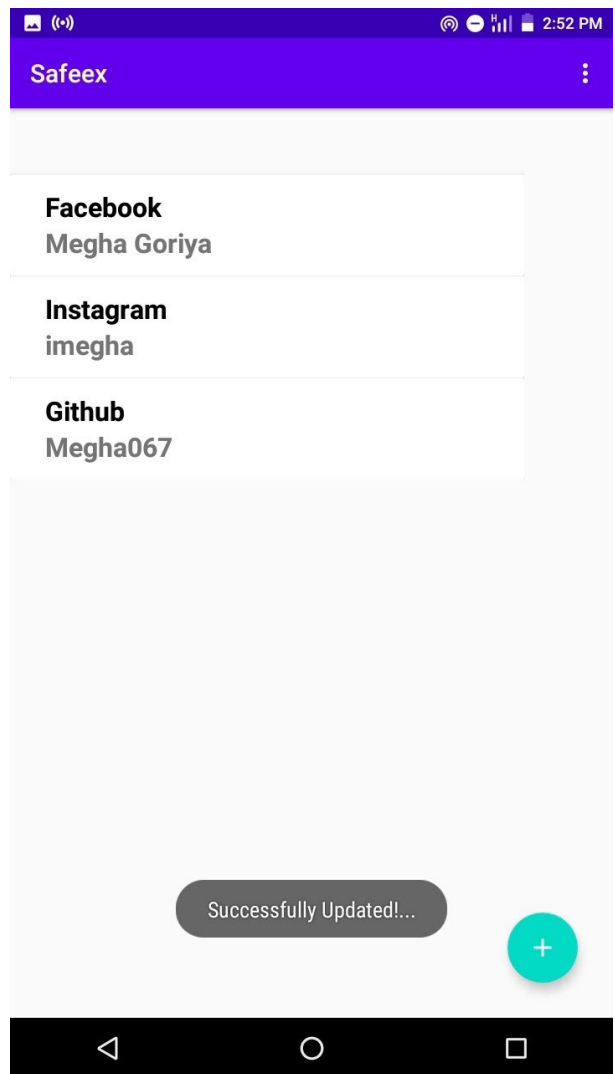
As you can see all the title name means your website or application names and it is followed by your user name which differentiate passwords if you are having multiple accounts on any of the social media or the websites.

5.4)

	_id	Application_name	Email_address	Username_name	Password_of_Application
	Filter	Filter	Filter	Filter	Filter
1	1	Facebook	me@gmail.com	megha	a717f41c203cb970f96f706e4b12617b
2	2	Instagram	12@gmail.com	imegha	abc2d30d4c86f34166c321f2c65dfaa3
3	3	GitHub	1@gmail.com	meghaa	f514e6548d98fd637d6ea8cd65cc448c

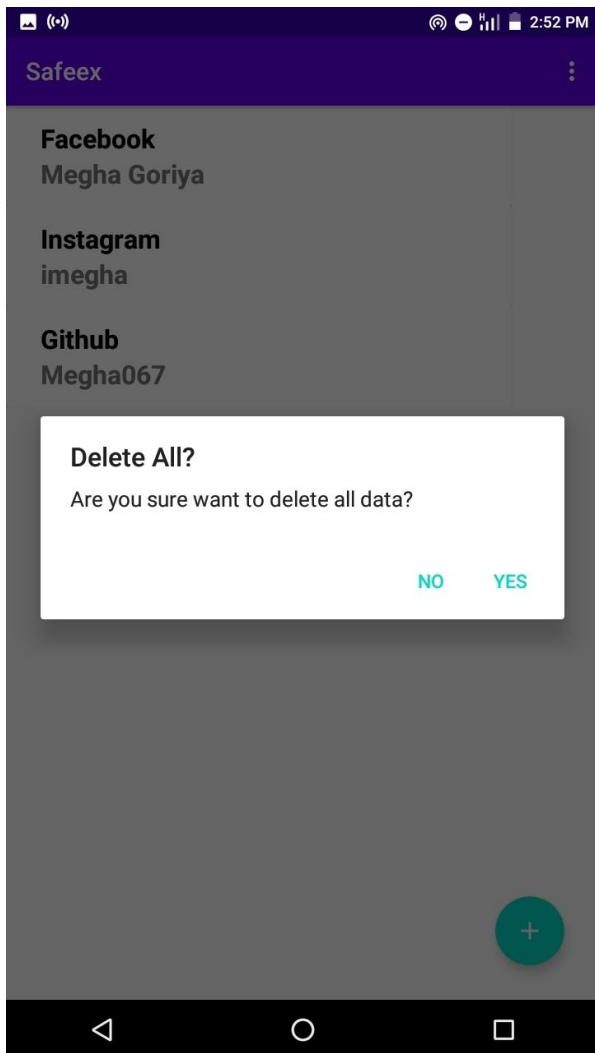
As you can see that passwords are in encrypted form so that they cannot be read from the database .

5.5)



here you can also update your details and it will be updated in the database as well.

5.6)



you also have the option to delete all the entry and all entries will be deleted and in database as well.

6.CONCLUSION

To come up with the problem of remembering the password we have made a password saving application where you can save all the passwords at one place, access anytime anywhere, can add multiple account of one website also.

7.REFERENCES

<https://developer.android.com/guide>

<https://www.tutorialspoint.com>

https://www.youtube.com/playlist?list=PLu0W_9lII9aiL0kysYIfSOUgY5rNIOhUd

<https://www.welivesecurity.com/2017/05/04/short-history-computer-password/>

SGP 1

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