

# SecureFolder

Simple Safe & Secure.







## Department of Information Technology

# SAFE FOLDER APP

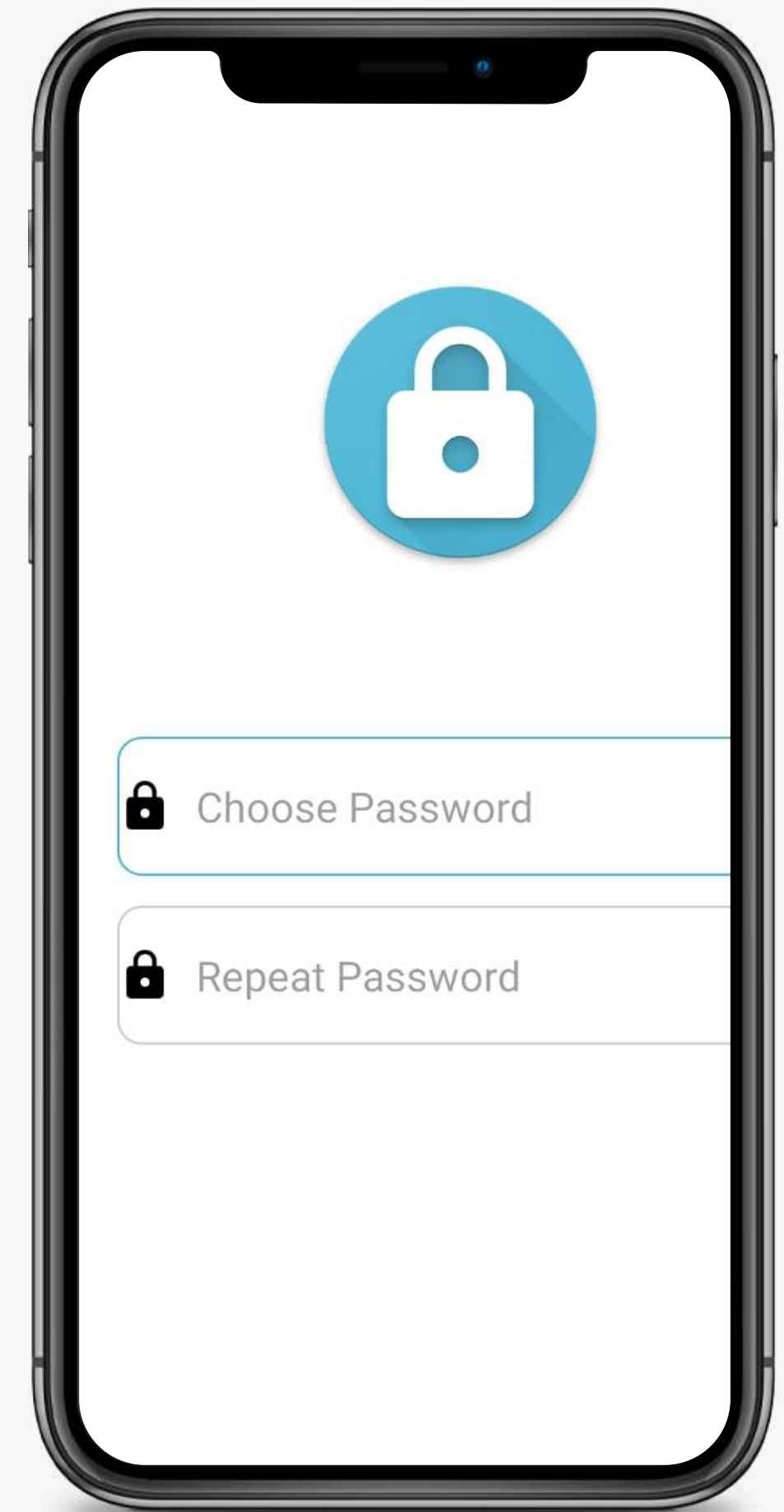
Under Guidance of  
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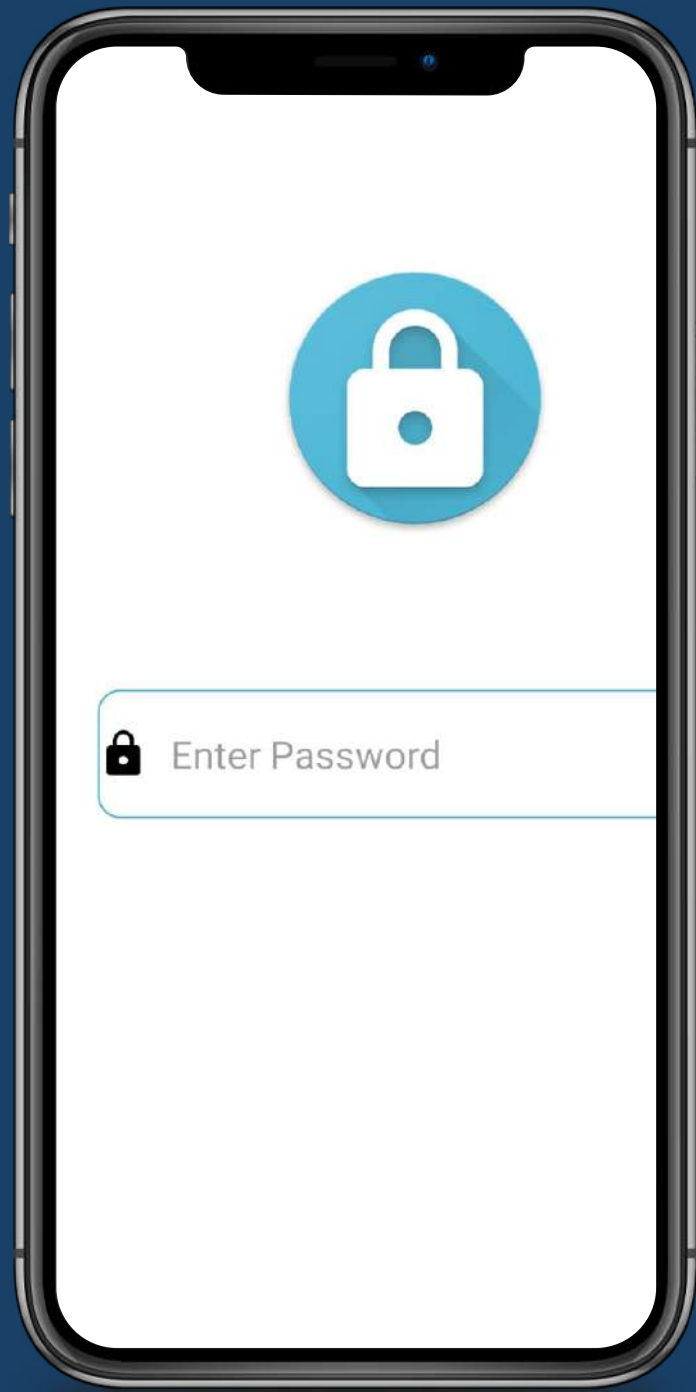


# INTRODUCTION

Now a day's most users are facing problems with providing security to the files and folders. Sometimes our folder is going to be corrupted by an unauthorized user which will corrupt our important files. And sometimes sharing a personal device can be beneficial, but it comes with the risk that others might access your personal files. To keep personal content safer, we're launching the Safe Folder application that will provide security to files & folders and also save it from unauthorized user.



# OBJECTIVES



- Our main objective of this project is to develop a more secure app
- To build a system that can encrypt images, videos, and files.
- The system design will be an alphanumeric authentication system.
- Build a new algorithm for the security model for data encryption and decryption.

# SYSTEM REQUIREMENTS



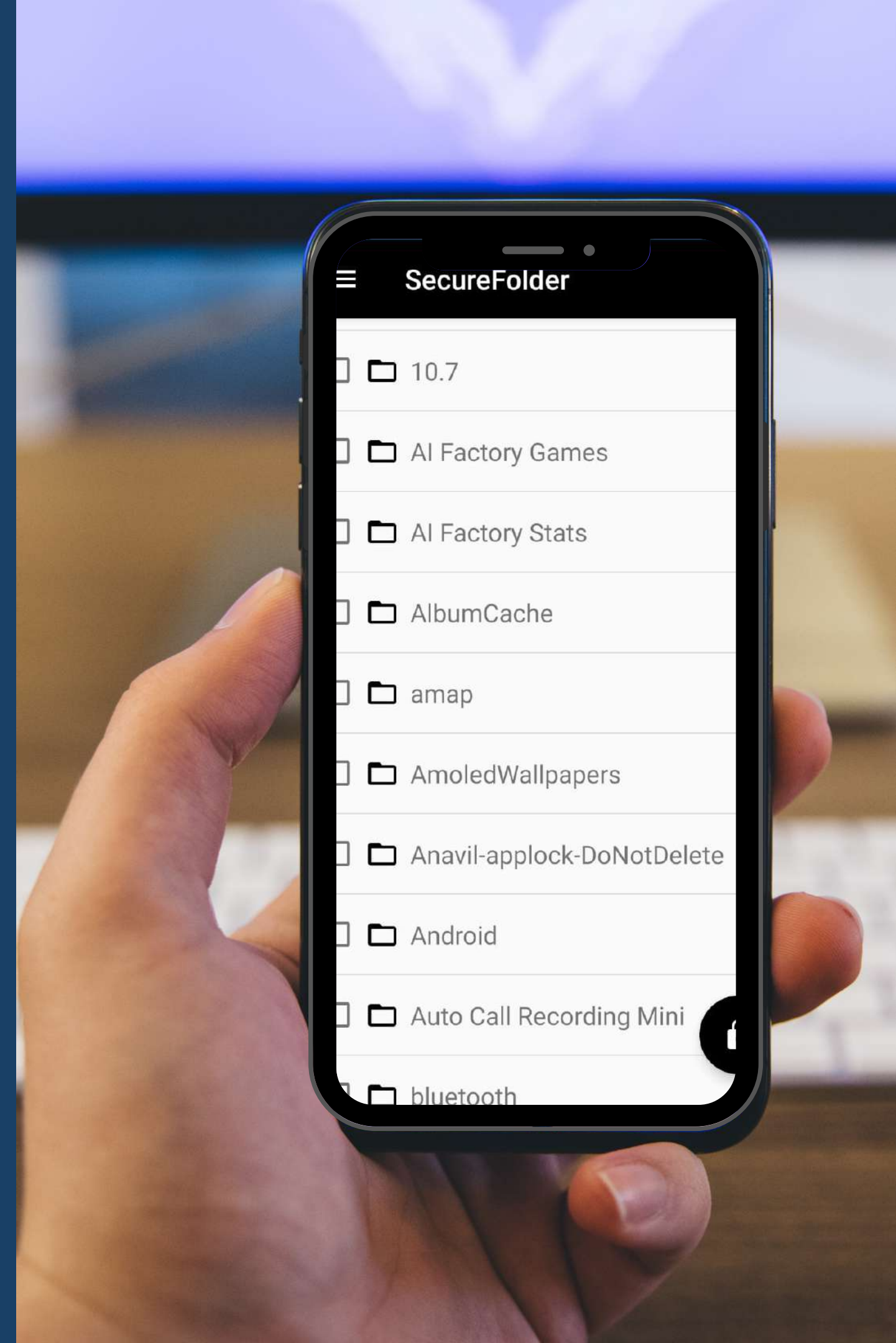
Android  
Studio

- **SOFTWARE REQUIREMENTS :**
  1. Windows 7 or higher
  2. Android Studio
- **HARDWARE REQUIREMENTS :**
  1. Multi-core processor
  2. 4GB RAM minimum
  3. 250 GB Hard Disk

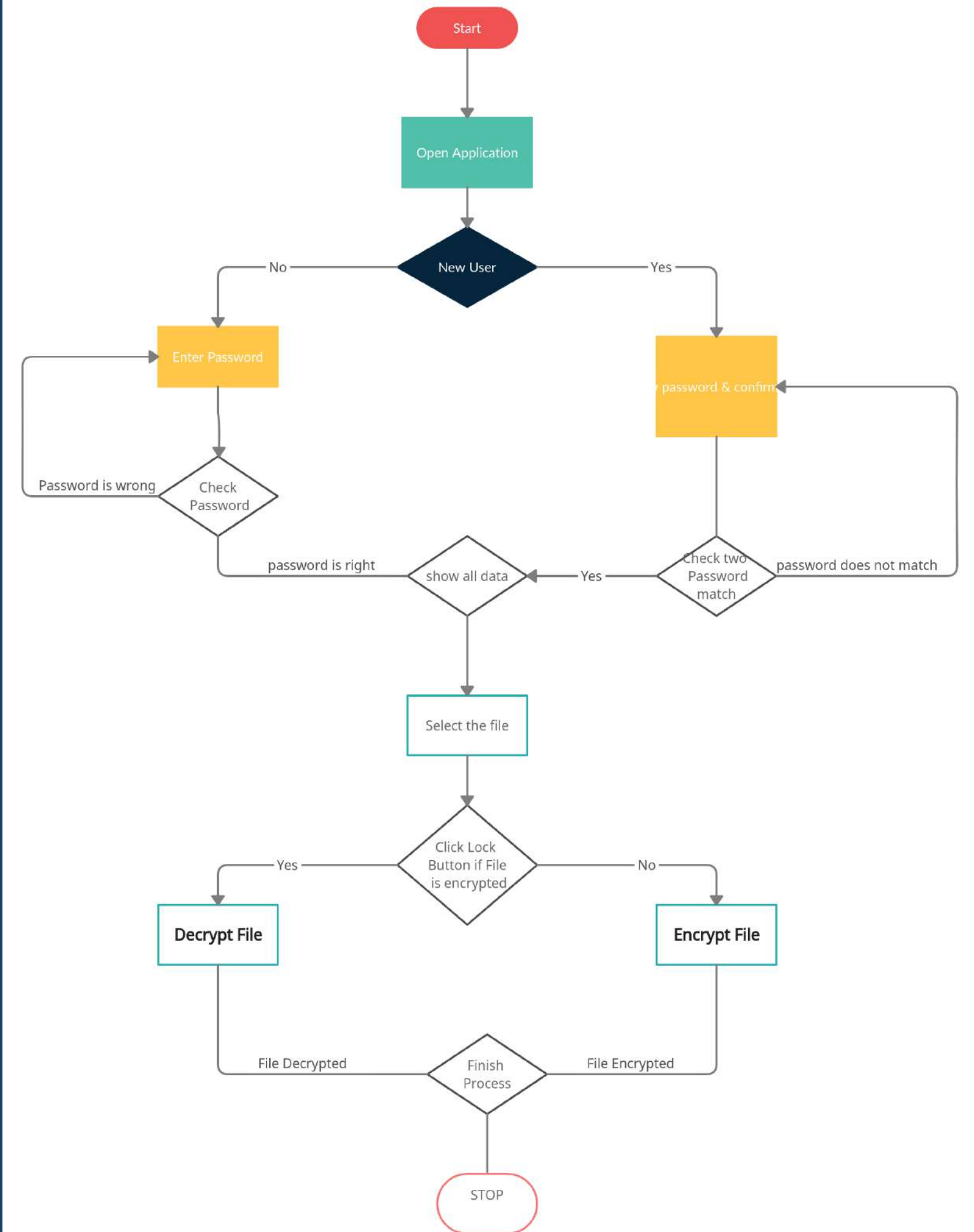


# PROBLEM STATEMENT

- While encryption any images, videos, or files our most challenging job is it should encrypt quickly & store them properly.
- All the encrypted Information should be encrypted or decrypted by the user without facing any problem.



# Block Diagram



# Literature Survey.

Sr.No.	Paper Title	Author-Year	Description
1.	Research on a Normal File Encryption and Decryption	Guy-Armand Yandji, Lui Lian Hao, Amir-Eddine Youssouf, Jules Ehoussou (May 2011)	In this paper, our strategy used is to apply the encryption methods of the AES and MD5 following some steps in the encryption process in order to produce an outcome of a file that will, as a result, be hashed and strongly decrypted through the robust software for file storing



Sr.No.	Paper Title	Author-Year	Description
2.	Separable reversible encrypted data hiding in the encrypted image using AES Algorithm and Lossy technique	Parag Kadam, Akash Kandhare, Mangesh Nawale, Mukesh Patil (April 2013)	In this paper, the author suggested encrypted data hiding in the encrypted image using AES Algorithm and Lossy technique as a solution. In this sender encrypt data and image separately using AES algorithm, hides encrypted data in the encrypted image using LSB technique, system auto-generate the all 3 respective keys.
3.	Implementation of AES algorithm using VHDL	Amit Kumar, Manoj Kumar, P. Balramudu (Feb- 2018)	AES algorithm is a symmetric block cipher that can be used for encrypting (encipher) and decrypting (decipher) data.

Sr.No.	Paper Title	Author-Year	Description
4	Implementation of Reconfigurable Data Encryption Technique using different AES versions	Anirudh P S, Lalu V (March 2011)	The Advanced Encryption Standard is widely used for encrypting data today. Unauthorized individuals will not be able to access data encrypted using AES. This paper presents the implementation of three different variants of AES in FPGA using Reconfiguration.
5	Encryption and decryption implementation in Java-based on Poco libraries	Wang Fei, Luo Ming, Hu Fangming (October 2011)	The conventional Java-based method of data encryption and decryption exists such problems as low efficiency and complicated programming. To resolve these problems, an efficient implementation which combines the third-party open source Poco library with JNI is proposed in this paper.

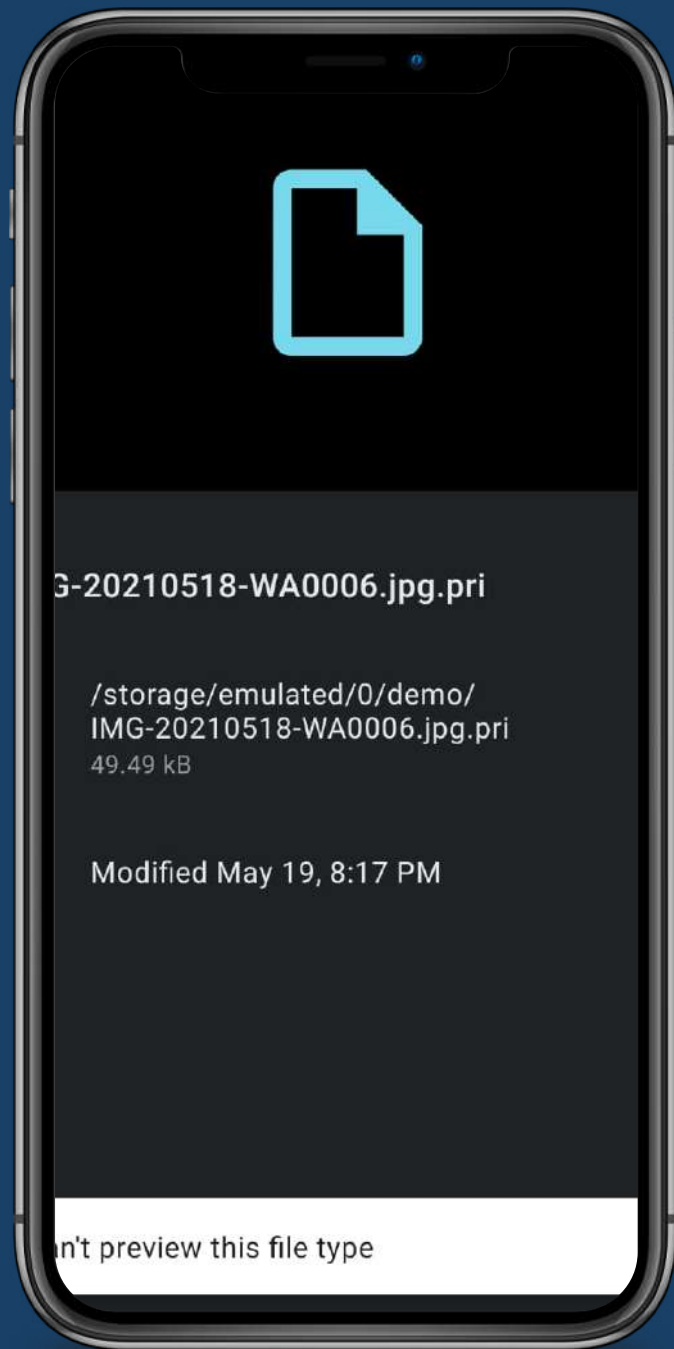
# ADVANTAGES AND DISADVANTAGES

- **ADVANTAGES:-**

1. This app is encrypting sensitive files directly on the SD card.
2. No data is sent over the internet.

- **DISADVANTAGES:-**

1. This application works only on android devices.





# CONCLUSION

Safe Folder App is the best app for the today's generation . This the app gives many features to the user and this is safely to use. We are highly satisfied and motivated by the results obtained at the end of this project. The Project was a new experience when it came to the testing phase. Safe Folder App has many possibilities for future enhancement and availability for better privacy of the user. In future we will try to add more features in this app and making more easier, reliable and user-friendly

# REFERENCES

- <https://www.computerworld.com/article/3221287/android-file-management-an-easy-to-follow-guide.html>
- <https://stackoverflow.com/questions/4275311/how-to-encrypt-and-decrypt-file-in-android/8041442>
- <https://developer.android.com/guide/topics/security/cryptography>
- <https://www.javatpoint.com/android-tutorial>

**THANK YOU**