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RESEARCHARTICLE S OPENACCESS

SHARELITE: OFFLINE WIRELESS FILESHARING TOOL ALTERNATIVE FOR SHAREIT

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Abstract:

ShareLite app is used for file sharing. File sharing technologies is find a way of reducing the time required to manage file sending while increasing the minimum-security level of the application

Keywords—Chinese app, Aatmanirbhar Bharat, File sharing, Peer to peer, wireless, high security, user Privacy maintain

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I. INTRODUCTION

SHARELITE makes easy to share files between Android deviceto any other device using Wi-Fi direct technology or a common Wi-Fi connection to transfer data at very high speeds. It allows you to pair devices using QR Codes and allows you to connect to a PC or Android phone for easy transfer.This is offline file sharing tool there is no need of internet. connection to share files between two devices.

II. LITERATURESURVEY

Because of some popular app is banned like Share it and Xender.So, for quick file sharing is not possible there are many small applications but their server is slow or information leek issue is there.

So, to overcome these problems we are presenting an idea called ShareLite. In our research we are trying to develop a oneapplication that is used for quick file sharing.So, we are introducing such system in which it tries to help people.

III. SYSTEMARCHITECTURE

A block diagram is a diagram of a system in which the principal parts or functions are represented by blocks connected by lines that show the relationships of the blocks. They are heavily used in engineering in hardware design, electronic design, software design, and process flow diagrams.

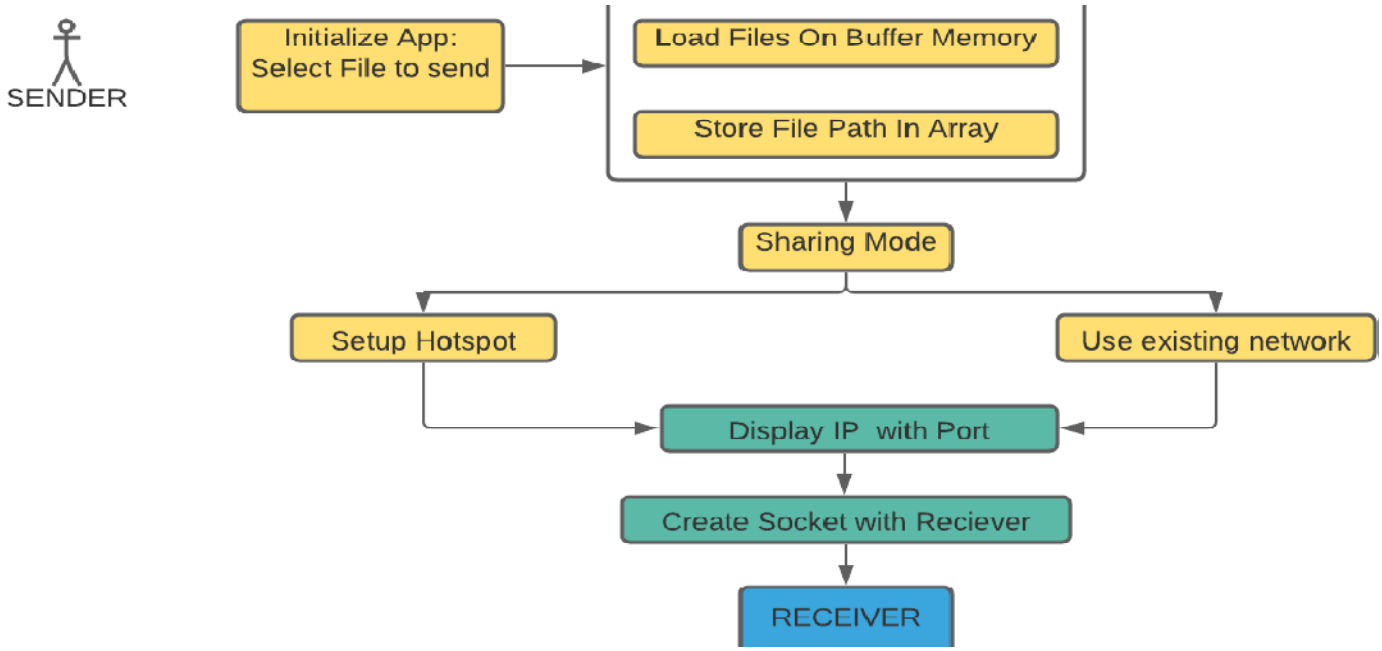

FIG:BLOCK DIAGRAM OF SENDER

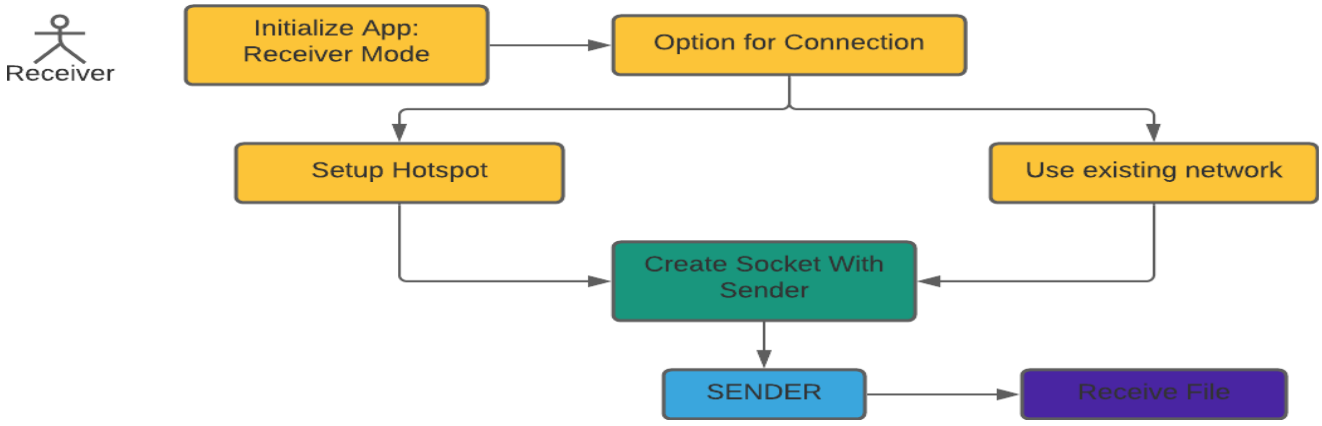

FIG:BLOCK DIAGRAM OF RECEIVER

The ShareLite application Sender work asfollow:-

Open the Shrelite app and then select a file which want to share then selected file load into buffer memory then store in array andsharing mode get ON. We can share file in two-way Setup hotspot and use existing network. If we select "Setup hotspot" its setup a hotspot and then display an IP with port

And then create socket for receiver then file will be shred to receiver. If we select Use existing network then it goes with existing network and start sharing a file

The ShareLite application Receiver work asfollow: -

First Receiver mode should get ON in sharelite app then there are two options for setup connection Setup hotspot and use existing network. If we select "Setup hotspot" its setup a hotspot and then create socket for sender then file will be sent to receiver. If

we select use existing network then it goes with existing network and create a socket for sender and share a file

SOFTWARECOMPONENTDESCRIPTI

IV.A.1.1 Programming Language:JAVA is used for coding

IV.A.1.2 Operating System: Windows 10

IV.A.1.3 IDE: Android Studio

Hardware COMPONENTDESCRIPTI

IV.B.1.1 ROM: 500 GB

IV.B.1.2 RAM: 8 GB

IV.B.1.3 Processor: Minimum Intel i3 DDR4 1.6 MHz

V Conclusion

We will implement the Android Application which can share file from android Device to any other platform like as Window, IOS etc. The main work will be done on the interface which will make is very simple and user friendly. This application will useful for sharing files without any restriction. Using wi-fi direct and ad-hoc Network technology we can share files, photos and large size any document etc. very less time and receiver platform independently.

VI Futurescope

SHARELITE makes easy to share files between Android device to any other device using Wi-Fi direct technology or a common Wi-Fi connection to transfer data at very high speeds. It allows you to pair devices using QR Codes and allows you to connect to a PC or Android phone for easy transfer. This is offline file sharing tool there is no need of internet. connection to share files between two devices.

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