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WATCHDROID

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ABSTRACT

- KEY LOGGER CAN EITHER BE HARDWARE BASED OR SOFTWARE BASED.
- KEY LOGGING SOFTWARE PROGRAM DON'T REQUIRE ANY KIND OF PHYSICAL ACCESS TO THE USER'S COMPUTER. THEY CAN BE DOWNLOADED INTENTIONALLY AND UNINTENTIONALLY AS A MALWARE.
- DETECTION OF THIS SOFTWARE IS VERY DIFFICULT BECAUSE THEY RUN IN A HIDDEN MODE.

INTRODUCTION

- IT IS A SOFTWARE PROGRAM OR A HARDWARE DEVICE WHICH TRACK THE ACTIVITIES OF KEYBOARD.
- THE FIRST KEY LOGGER WERE USED BY THE SOVIET UNION IN 1970s TO MONITOR IBM ELECTRIC TYPE-WRITERS USED AT THE EMBASSY BASED IN MOSCOW.THEY WOULD RECORD WHATS WAS TYPED AND SEND THE INFORMATION BACK TO SOVIET INTELLIGENCE VIA RADIO SIGNALS
- KEYLOGGER ARE A FORM OF MONITORING SOFTWARE INTENDED TO RECORD A USER'S KEYSTROKES. THESE KEYSTROKES LOGGER RECORD THE DATA YOU TYPE INTO A WEBSITES OR APPLICATION AND SEND IT BACK TO A THIRD PARTY.ONE OF THE OLDEST TYPE OF CYBERATTACK.

PROPOSED SYSTEM

- WE HAVE DEVELOPED A KEY LOGGER APPLICATION USING JAVA AND ANDROID.
- IT HAS THE ABILITY TO HIDE THE PROCESS.

OBJECTIVE

- THE OBJECTIVE OF THIS PROJECT IS TO CREATE RECORDS OF EVERYTHING YOU TYPE ON A COMPUTER OR MOBILE.
- KEYLOGGER ARE USED FOR LEGITIMATE PURPOSES LIKE FEEDBACK FOR SOFTWARE DEVELOPMENT BUT CAN BE MISUSED BY CRIMINAL TO STEAL YOUR DATA.
- KEYLOGGER COLLECT INFORMATION AND SEND IT BACK TO A THIRD PARTY-WHETHER THAT IS LAW OF ENFORCEMENT OR IT

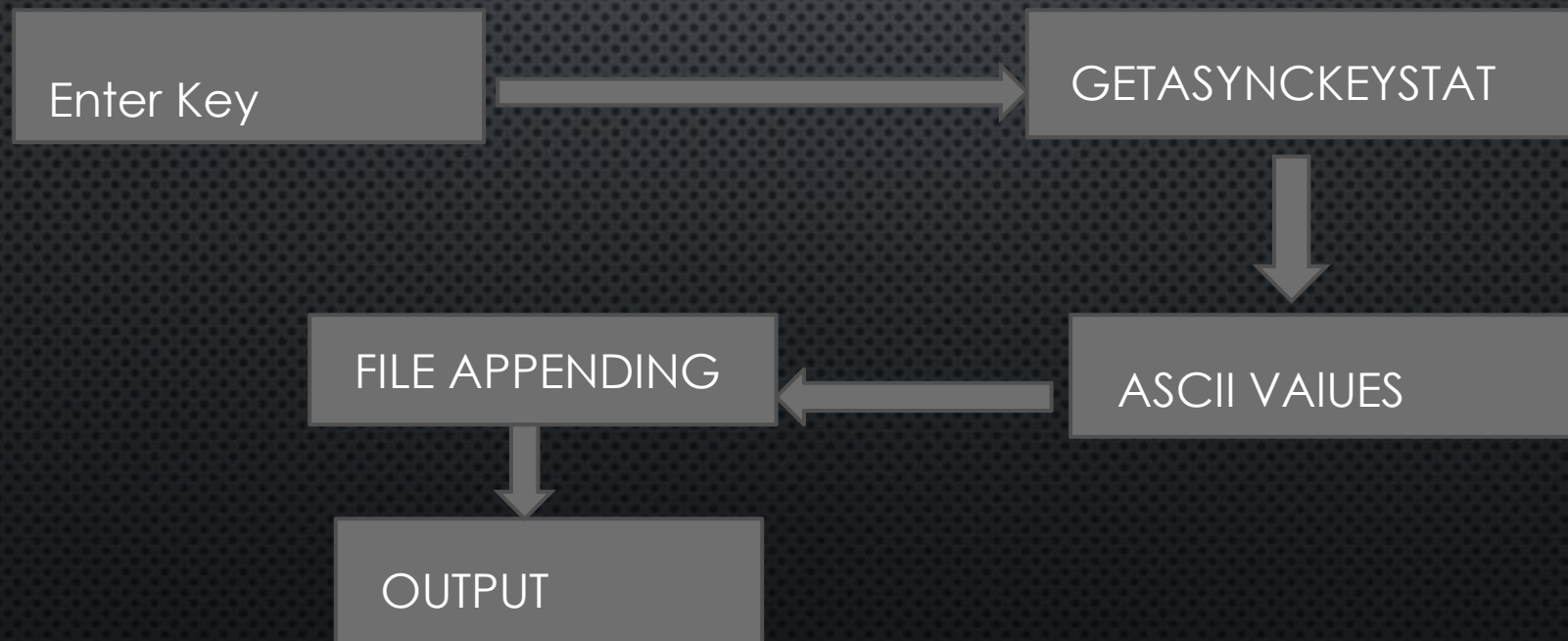
SCOPE

- CELLPHONE TRACKING

SECURITY

- WATCHDROID APPLICATION HAS A IN BUILDING PROTECTION MECHANISM WHICH WILL HELP TO KEEP ALL THE RECORDED KEYSTROKE LOG SAFE AND SECURE FROM UNAUTHORIZED ACCESS.

ARCHITECTURE

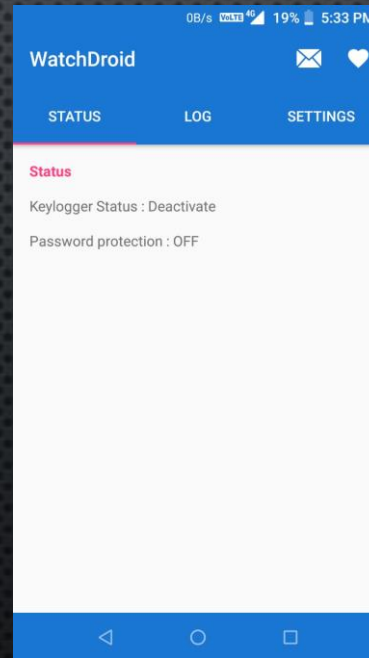


IMPLEMENTATION

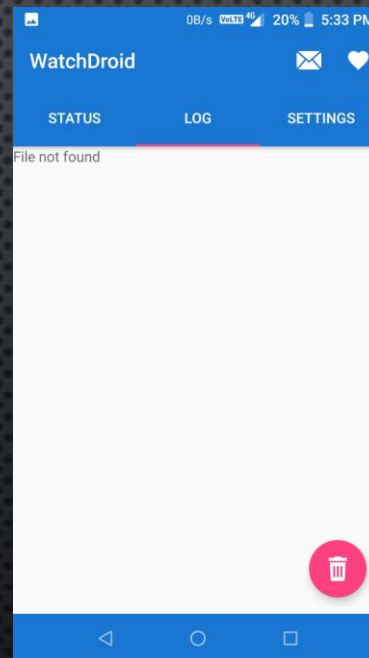
- IN OUR CASE, WHENEVER USER CLICKS ON AN EDIT TEXT A LINK BETWEEN THE LOG FILE AND KEYBOARD IS CREATED,
- AND CURRENT TIME AND DATE GETS PRINTED AT START OF LINE IN LOG FILE.
- WHEN THE USER CLICKS ON A CHARACTER OR A NUMBER ON THE KEYBOARD, THE ASCII VALUE OF THE PRESSED KEY IS FETCHED AND IS WRITTEN IN THE LOG FILE (REAL CHAR IS WRITTEN IN LOG NOT ASCII VALUE).

UI OF OUR PROPOSED SYSTEM

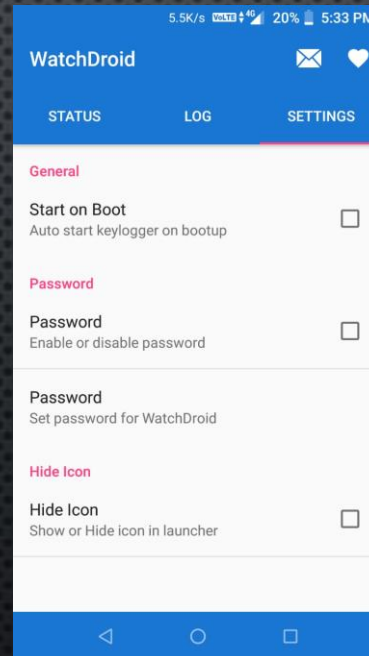
STATUS SCREEN



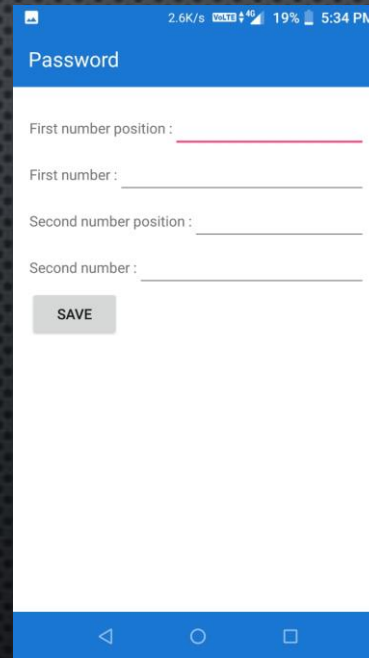
LOG SCREEN



SETTING WINDOW



CREATE PASSWORD



The image shows a mobile application interface for creating a password. The app has a blue header bar with the title "Password". Below the header, there are four input fields: "First number position :", "First number :", "Second number position :", and "Second number :". The first input field is highlighted with a pink underline. At the bottom of the form, there is a grey button labeled "SAVE". The status bar at the top of the phone shows "2.6K/s", "VOLTE", "4G", "19%", and "5:34 PM". The bottom navigation bar is blue with three white icons: a back arrow, a circle, and a square.

2.6K/s VOLTE 4G 19% 5:34 PM

Password

First number position :

First number :

Second number position :

Second number :

SAVE

PREVENTION OF KEYLOGGERS

- NO SOFTWARE-BASED, ANTI-SPYWARE APPLICATION CAN BE 100% EFFECTIVE AGAINST ALL KEYLOGGERS.
- ON-SCREEN KEYBOARDS
- SPEECH RECOGNITION
- HANDWRITING RECOGNITION AND MOUSE GESTURES

CONCLUSION

- KEYLOGGING IS A SERIOUS THREAT AND THE ONLY ONE WHO CAN MAKE SURE THAT IT DOES NOT HAPPEN TO THEM IS THE END USER.
- THE SECURITY OF A SYSTEM BY A KEYSTROKE TO GAIN ACCESS TO THE SENSITIVE INFORMATION AND PASSWORDS.
- THEY CAN BE A GREAT BOON TO THE WORLD OF TECHNOLOGY BECAUSE IT IS ADVANTAGEOUS AND EVEN HELP TO SOLVE THE CYBER RELATED CRIMES AND ENCOURAGES THE SAFE INTERNET HABIT

REFERENCES

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- [HTTP://INDEX-OF.ES/SYSTEM-HACKING/KEYLOGGERS/KAPPAFINAL.PDF](http://index-of.es/system-hacking/keyloggers/kappafinal.pdf)

THANK YOU