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| 1. Id Challenges 001 |
| Category Information Security |
| Title Information Encryption and protection of personal data |
| Background <p>The use of mobile devices in securing information. Mobile devices have policies designed to protect the organization's information from threats such as unauthorized access, use disclosure disruption modification or destruction. In today's highly technological age, the vast majority of businesses rely on information systems to run their operations. Large companies have huge data warehouses just to store the mass amounts of information that the company collects. Firewalling is a way of protecting information. It's placed between trusted and untrusted hosts. Sometimes the data can be encrypted so it can only make sense to authorized users. Some apps we have on our mobile phones have policies which jeopardize our privacy. Our network providers can also see what we do on the internet. The Goal is to find a way to do things in private on the internet without looking over your shoulder.</p> |
| Description <p>Everyone has the right to privacy and when their data is shared and held by unauthorized personal this violates their rights. In this era of technology, cyber-attacks are really common and quite dangerous and can ruin a lot of people's lives and organizations as well. It is required that everyone has their information secured and kept away from hackers. This application provides information security to prevent any cyber-attacks.</p> |
| List of Skills Required/Acquired <ol style="list-style-type: none"> 1. Backup data so that it cannot be lost 2. Encrypts the information in its backup storage so it cannot be read 3. Has inbuilt application that help clone your IP address to prevent tracking 4. Contains its own firewall to keep you secured when browsing the net 5. When using apps it prevents those apps from being able to read your information. 6. If your device dies you will be able to copy all your information from backup in your other device. 7. If your device is stolen either off or on, you can still track the device using laptop or other phones. 8. You can access your device remotely to shut it down if it is stolen. |
| List of Hardware/Software Needs <ol style="list-style-type: none"> 1. VPN 2. Memory hardware system to help store backup data 3. An address that can be enabled in the application to allow device to be tracked and to take control of the device remotely. 4. Firewall 5. Many false IP addresses to assign your device to prevent other users to track what you are doing 6. End to end encryption across multiple applications in the device |
| Project Team - Tefo Moakofhi (Analyst, Designer/Programmer) |
| Stakeholder public |
| URL https://github.com/Tefo1995/Mobile-Dev |

