**5- PROJECT IDEA**

Overview.

ID Wallet is a smartphone application that allows anyone in the world to save their official documents in this application such as passports, educational certificates, medical records, legal instruments, etc. There are several benefits of this application, including protecting documents from loss, damage, burning or theft, and easy access to them at any time and from anywhere in the world.

Motivation.

The world is full of unexpected disasters, some happen due to human beings, such as wars and theft, and others happen due to natural disasters such as forest fires, earthquakes, volcanoes, and destructive waves (tsunami). As a result, people migrate from one region to another and from one country to another. During this movement and migration, they need many official documents such as university certificates and work cards to prove the profession to obtain jobs or passports to prove nationality upon returning home. This project will facilitate people's lives when such crises occur, to preserve their property, prove their professions and degrees, prove their nationalities, and other important matters.

Description.

This project targets all the world's population as the need to use official documents is a common thing all the time and everywhere. For example, when going to a job interview, it is likely that the applicant took with him the most important official documents that prove what was written in the CV, but sometimes the employer asks for a certificate or a paper to prove one of the courses or programs in which the applicant joined and which the applicant did not expect to ask him Therefore, it is unlikely that he took proof of it, using the wallet identity application, the applicant can easily enter, open the application and access the required certificate with ease and speed.

Application features:

1- Easy to download the application for users of the Android and iOS operating systems.

2 - A simple interface that allows the user to create and name multiple files.

3- The customer can upload documents in PDF format or images in the files.

4- The application allows direct search for the client on documents without entering and searching every file.

5- The user can scan documents directly from the application.

6- High security for the information by designing a minified, obfuscated, easy updated code.

7- The application uses high-Level Authentication for better security.

MIT App Inventor will be used to create ID Wallet as the code in a pick-and-drop method, where a specific part of the code can be selected and dropped into the program's code which makes it easy to use. In addition, it is easy to test ID Wallet application that we made on desktop or laptop using MIT App Inventor by mobile phones. Finally, MIT Inventor allows us to create a powerful native app with a simple user interface.

Tools.

This privacy, security and cybersecurity application is about defending your networks, systems, and applications from cyber-attacks. We will be using these primary tools that we accept to use for this project. Firstly, Network Security: remote access management and two-factor authentication(2FA) to protect internal networks against unwanted access. Secondly, application security: avoiding penetration testing and encryption by prohibiting data files in mission-critical applications. We will also look into the potential of utilizing Python to perform some of the more common Cybersecurity duties, such as malware scanning, analysis and privacy.

Skills Required.

We need people who are able to be Interest in helping others, even Though it's not typically thought of as a “helping” profession is very important. Experience working in any of the programming’s languages as we know it is for coding. Installation of hardware because it is important, knowing how to separate and reassemble sophisticated equipment is essential. Security architecture: an evaluation of existing security technologies on a technical level. Completing modest, isolated, and well-defined penetration tests are known as penetration testing. Cyber security architect with an in-depth understanding of security technology controls. ​The design, development, and launch of platform services require strong technical expertise and security/data analytics technologies. A bachelor's degree in information technology is required.

Outcome.

The success of the project has many positive results. Firstly, protect official documents from damage, theft, arson and other unexpected disasters. Secondly, the possibility of accessing official documents easily and quickly by using the application on smart devices without the need. Thirdly, to preserve the civil rights of all users of the application as they can save title deeds to their property all over the world. Fourthly, maintaining proof of identity, as many people in the world currently do not have proof of their belonging to their countries due to sudden migration as a result of wars or natural disasters.