

Project Charter

Problem Statement: Many people have poor password practices. This can be manifested through the use of similar passwords for multiple accounts, not using secure enough passwords to make memorization easier, and storing them in insecure locations.

Project Objectives: Our project will aim to create a solution capable of encouraging proper password storage and security practices.

Stakeholders: It would be any user who wants to build better security habits.

Project Deliverables: To combat this, we will implement a keystore application where users will be able to store account information such as security questions and answers, usernames, passwords, and any additional notes they may have. The concept with a keystore will be that the user would only have to memorize one secure password which will allow them access to an encrypted database of their various passwords. The main additional features of the system would include the suggestion of secure passwords and the ability to encrypt documents.

The application will be written using the Java SDK. The graphical user interface of the program will be coded with Java's Swing libraries, and the program's database will be scripted using SQLite. Encryption techniques employed in the application are elements of the Java SDK. The final executable will be delivered in the form of a .jar file. A script will also be included detailing how the database will be created and explaining how to build the .jar executable.

Due to Java's crossplatform nature, this can be built and tested on any operating system. However, we are using a Linux makefile to build a .jar archive. It is advisable to build and run our project on Linux just to remove any platformspecific issues.