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Software Dev 1

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Milestone

Abstract: My project will have the user type in a username and password which will be stored in the computer so when they rerun the program they can still log in. Their information will be also encrypted to prevent anyone stealing their information.

Introduction: My motivation to create this program is because I have always wanted to make a program that stores information like usernames and passwords to successfully be exclusive to a certain program.

Detailed System Description: My project will serve as some sort of access to something. My project will require the user to input an username and a password. My program will then store that info in a file on the computer so that they can log on even after they rerun the code. It will then encrypt the password so that it can't be seen or hacked. In addition, it will also ask the user for them to input their email address. It will also send them a confirmation email that they have signed up successfully. (UML Diagram down below)

Requirements: This will be addressing the problem of user's information getting hacked because it will be well encrypted.

Literature Survey: Any email websites that store all usernames, passwords, and email. For example, Gmail, Yahoo. Most websites have a "members exclusive" part of their website where

they create a username and password for themselves and store their email to gain certain deals.

For example, Sears Shop your way.

User Manual: At startup, enter in a username that you would like to pick. If the username is already taken, then you must think of a new more specific one. Then enter a password you would like to use. After you confirm it enter in your email address. It will send a confirmation email.

Then you can log in and out as you please.

Conclusion: Successfully create a program that safely takes in and stores information for users to log in and log out at any time.

References/Bibliography: <https://stackoverflow.com> (various links)

MyProject
<pre>+getUser(value:String):void +getPass(value:String):void +getEmail(value:String):void +isUserValid():boolean +isPassValid():boolean +isUserTaken():boolean +isUserValid(String):boolean +isPassValid(String):boolean +saveUser(getUser):String +encryptPass(getPass):String +sendEmail(getEmail):void</pre>