**Outline**

The program has 2 entities

1. User
2. Admin

User:

User will be of two types:

1. Free User
2. Premium User

Free User can save upto 5 passwords only

Premium users can save infinite amount of passwords

Users must sign up

Admin:

Admin have the privilege to view the total number of users in the system

Admins will be given a password from which they have to sign in

Admins can delete user from the system

Program:

In a loop

Prompt user the message “Are you a regular user or an admin if regular user press 1 if admin press 2 press 3 to exit”

If 3 then exit the program

Check the users input if anything else is entered other than 1 or 2 or 3 give message “Please enter appropriate input”

If user selects admin give message “Please enter the password”

Check the password against admin.txt file if it does not match say “Password is incorrect”

In a loop

If password is correct then prompt “What do you want to do today if you want to view users press 1 if you want to delete users press 2 press 3 to log out”

If 3 then log out

If admin selects 1 save details from user.txt file in an array

Then show them the details from array

If admin selects 2 prompt “Enter the username of user you want to delete”

Delete the row of the username admin entered

Delete the username.txt file

If user selects 1

Give message “Are you a new or an existing user if existing press 1 else press 2 to signup”

In a loop

If user press 1 prompt” enter email and password of their account”

Check against user.txt file if email or password is incorrect say “Please enter correct email and password”

If correct give prompt “Press 1 if you want to see websites and passwords you save if you want to enter new password press 2 press 3 to logout”

If 3 then log out

If 1 is pressed show them the passwords from their username.txt file

If 2 is pressed prompt “Enter website name and password”

Save it in username.txt file

If user press 2 “Prompt enter username email and password to sign up ”

Verify the email address using email address verifier method

If email invalid prompt “Enter a valid email address”

Else create a txt file with the username.txt and prompt “Account created successfully “

Prompt “Press 2 to become a premium user 1 to remain free user”

If pressed 2 in users.txt file write the status of user as “Premium”

If pressed 1 in users.txt file write the status of user as “Free”

Loop

Prompt “Press 1 if you want to see websites and passwords you save if you want to enter new password press 2 press 3 to logout”

If 3 then log out

If admin selects 1 save details from usernamme.txt file in an array

If 2 is pressed check if they have more than 5 passwords save in their file

If more than 5 Prompt “Free users are not allowed more than 5 passwords”

**Logic**