

Technical Spec

Team Number	07	Section	05
Team Members	<ol style="list-style-type: none">1. Minh Le2. Van Chuong Pham3. Seyed Morsali4. Quang Tang		
Software Name	Password Manager		

1 Introduction

1.1 Objective

This document demonstrates the recognizable classes, attributes, and methods that will appear in the implementation process up to this moment. Also, this document shows how classes and objects interact with each other when the user uses the application. This document is important for the developer to follow during the coding process.

1.2 References

UML Class diagram, sequence, and state diagram tool: Violet

<https://sourceforge.net/projects/violet/>

Mockup tool: Adobe Xd

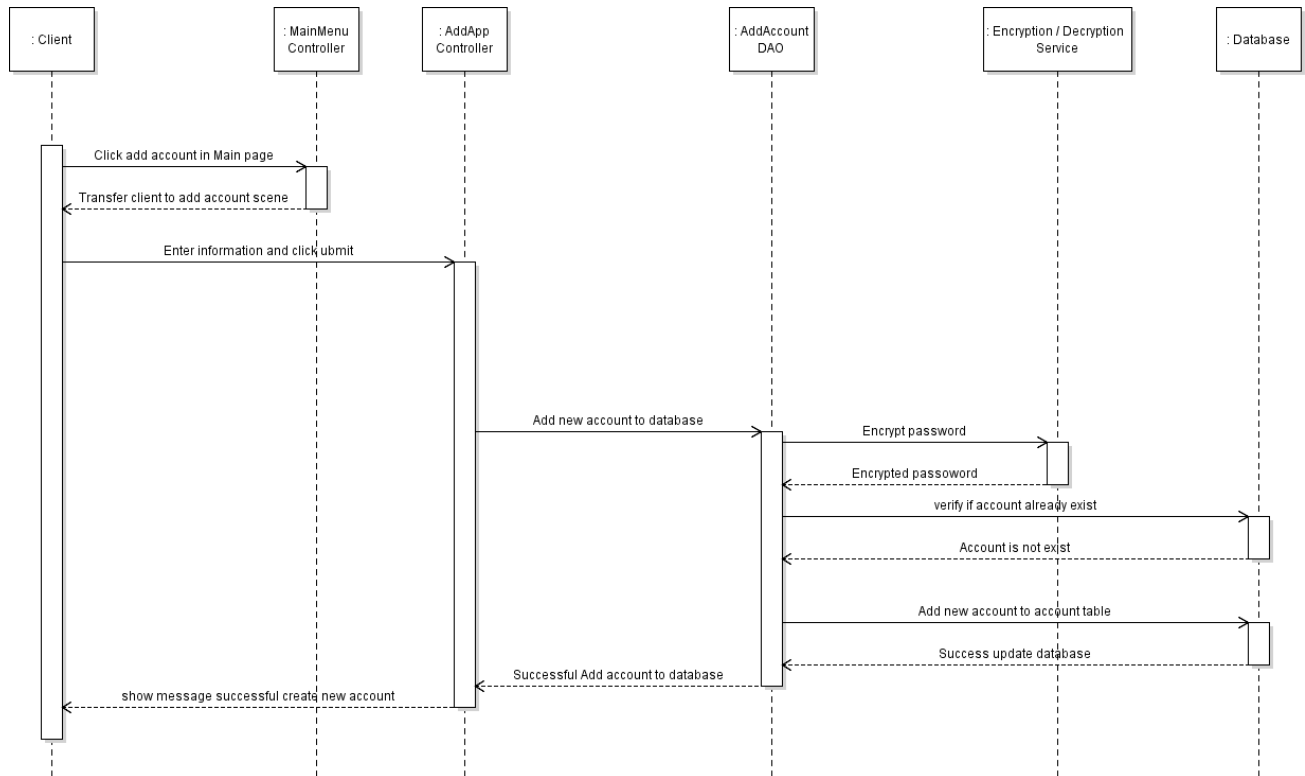
<https://www.adobe.com/products/xd.html>

1.3 Acronyms, and Abbreviations

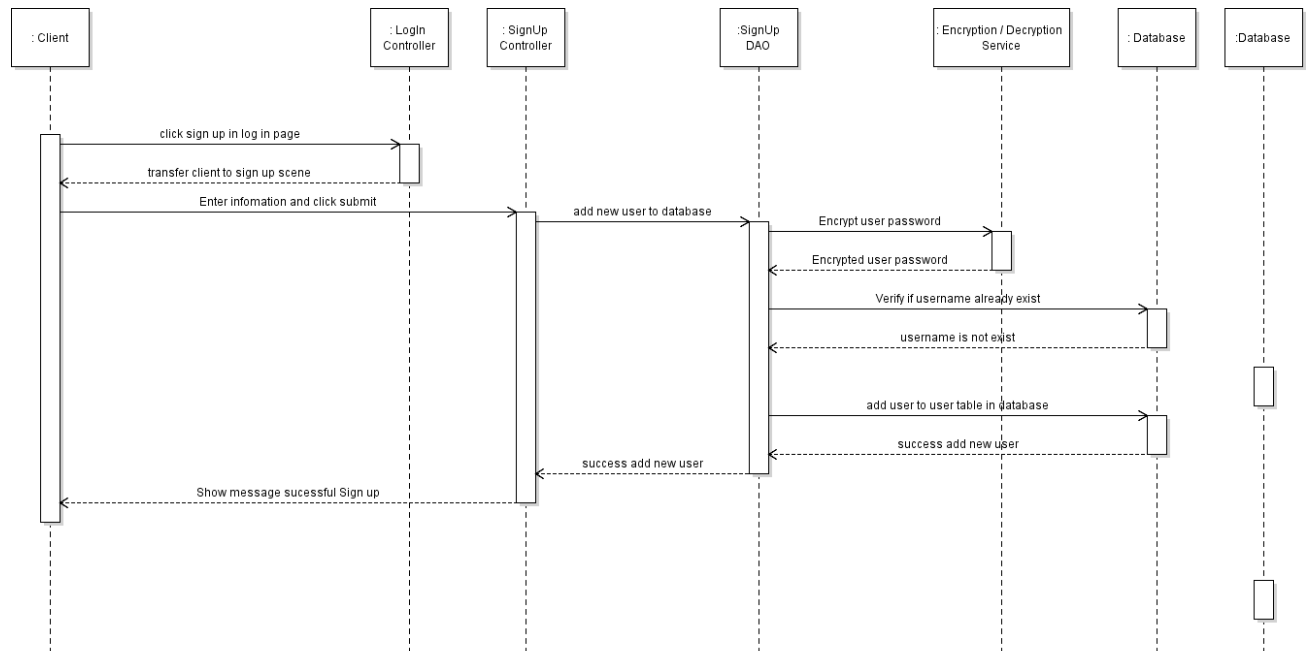
N/A

3.2 UML Sequence and/or State Diagrams (at least two)

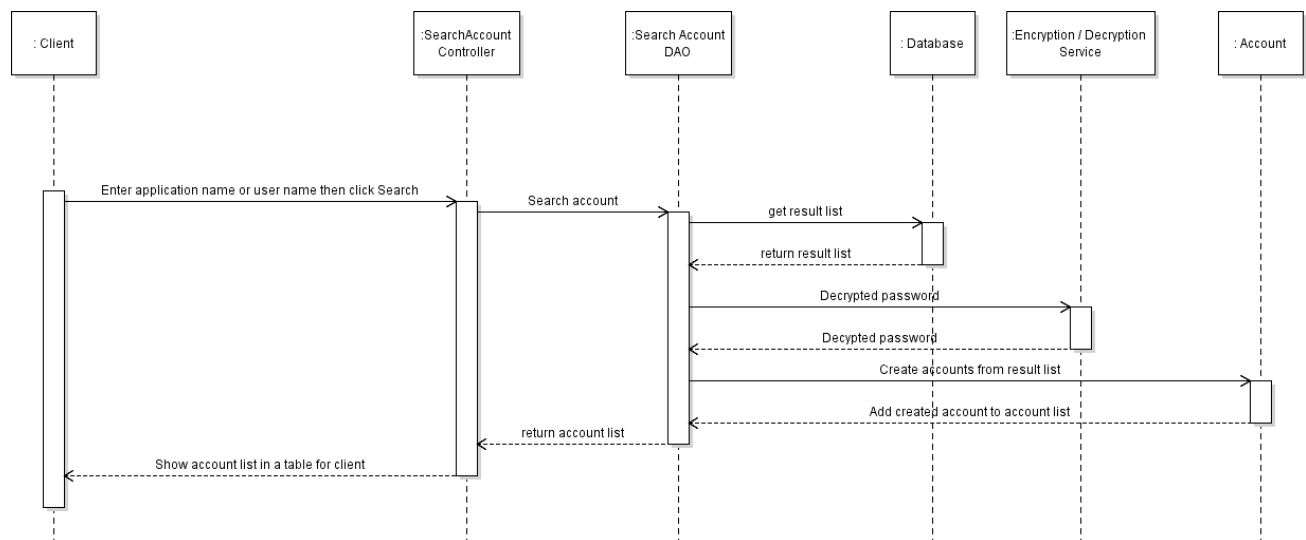
a. Sequence Diagram for adding new account



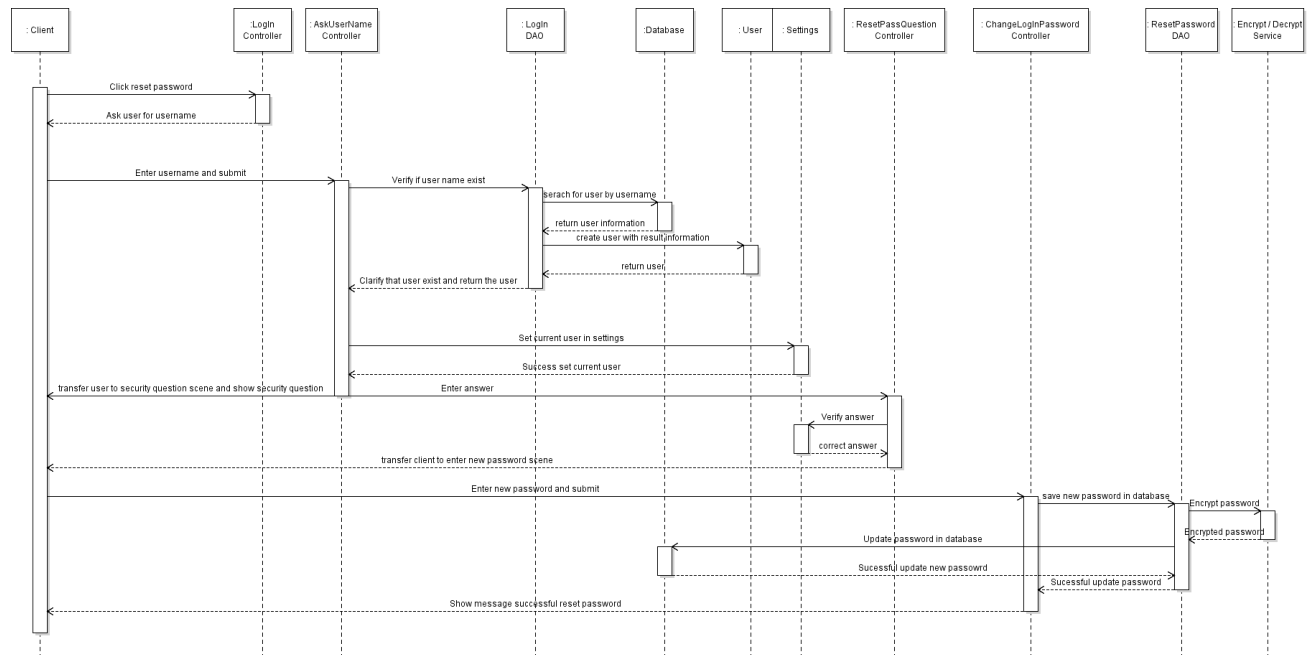
b. Sequence diagram for Sign up



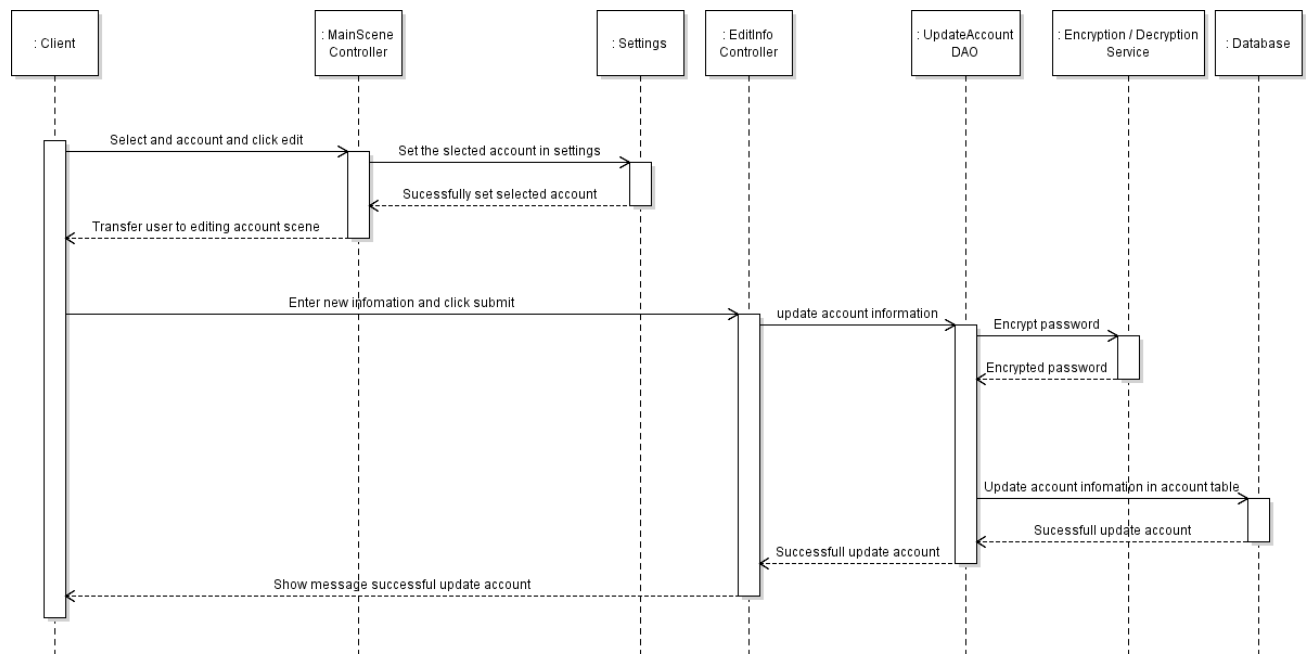
c. Sequence diagram for search accounts



d. Sequence diagram for reset user password

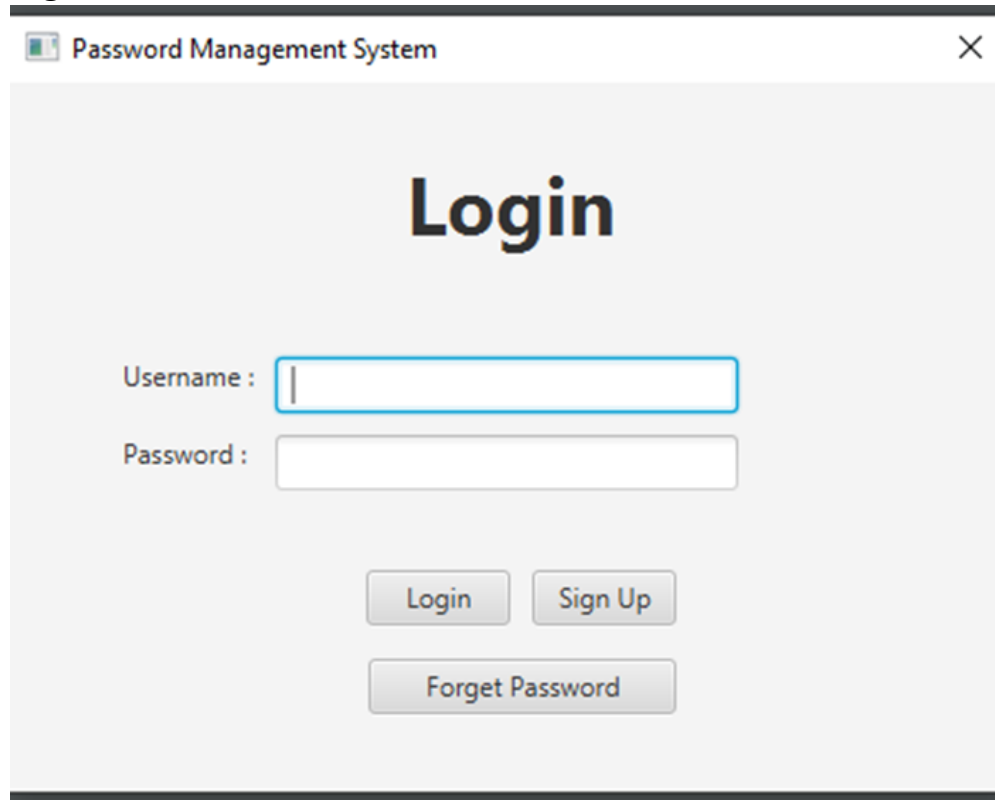


e. Sequence diagram for edit account information



3.3 Mockups

A. Login menu:



The mockup shows a window titled "Password Management System" with a close button (X) in the top right corner. The main content area has a light gray background. At the top center, the word "Login" is displayed in a large, bold, black font. Below this, there are two input fields: "Username :" followed by a text box with a blue border and a cursor, and "Password :" followed by a text box with a gray border. Below the input fields, there are three buttons: "Login" and "Sign Up" are side-by-side, and "Forget Password" is centered below them. All buttons have a light gray background and a thin border.

Password Management System

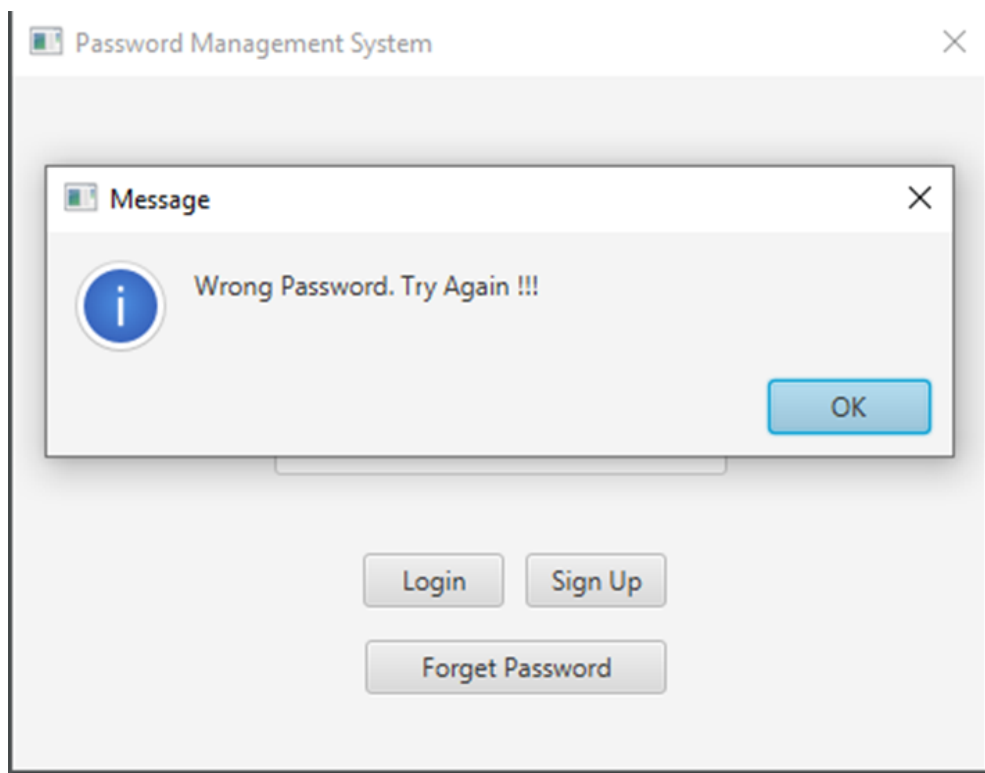
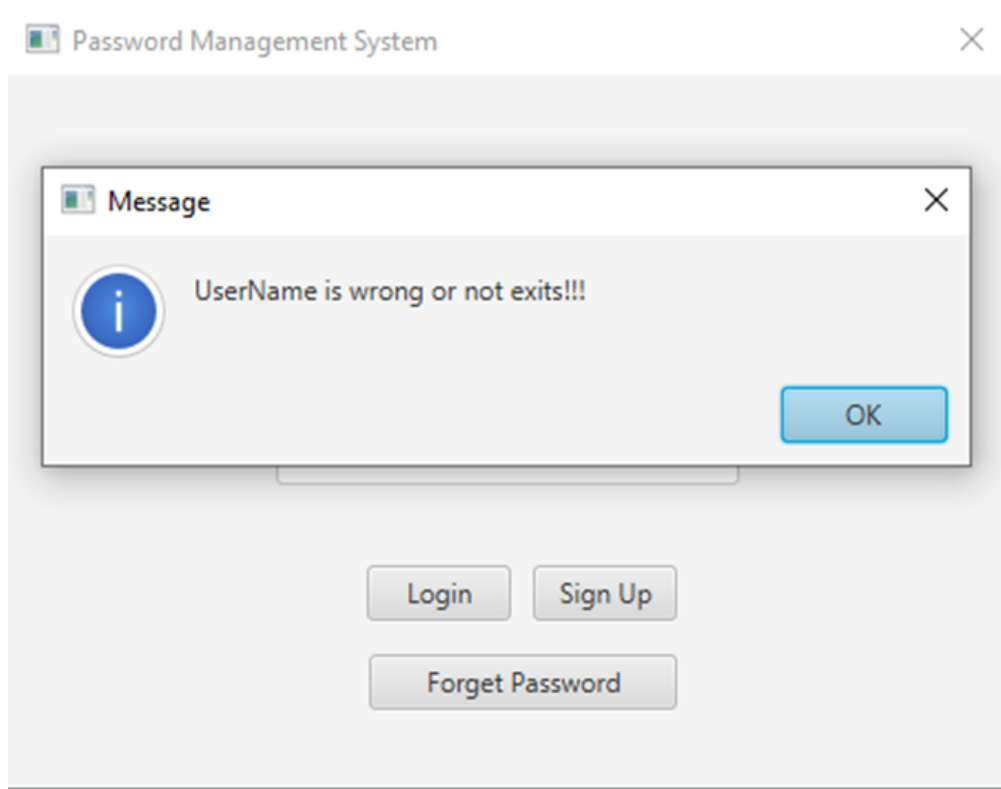
Login

Username :

Password :

Login Sign Up

Forget Password



B. Sign Up menu

Password Management System

Sign Up

New Username :

New Password :

Repeate Password :


Security Question :

Answer :

Password Management System

Sign Up

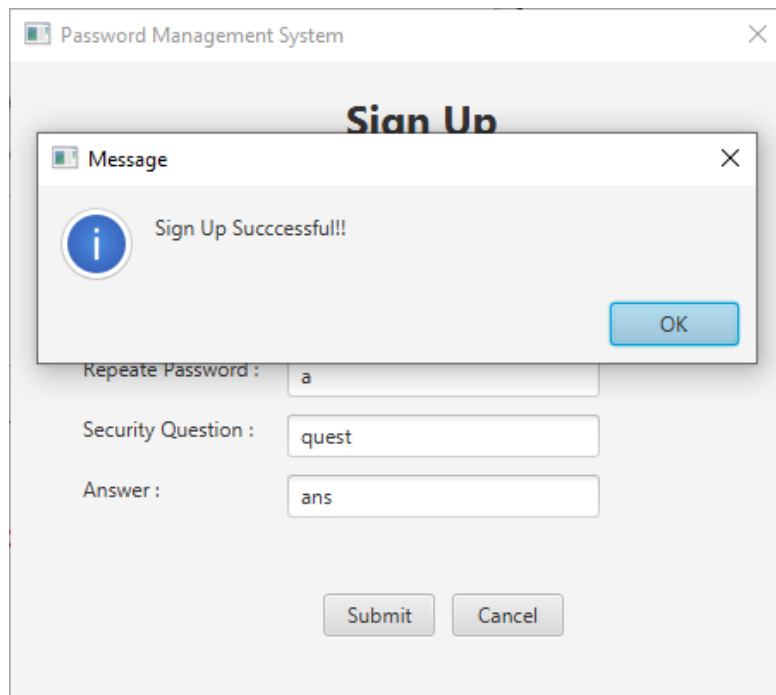
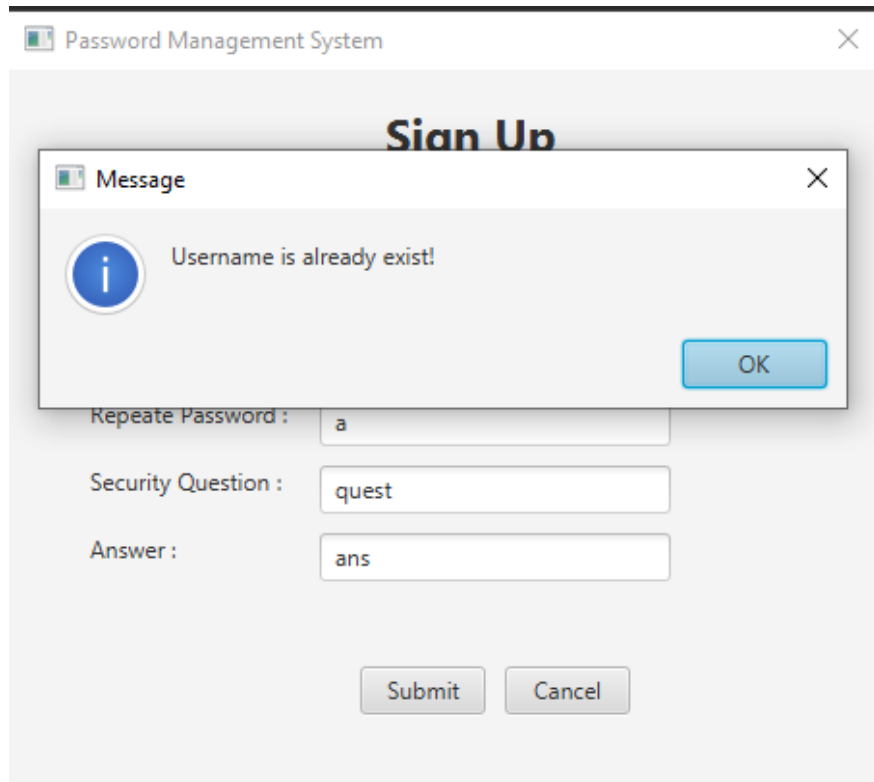
Message

 Password and RepeatedPassword don't match

Repeate Password :

Security Question :

Answer :



C. Reset Master Password

Password Management System

✕

Reset Password

Please enter your username :

Username

Submit

Cancel


Password Management System

✕

Reset Password

Message

✕



Username does not exist!!!

OK

Submit

Cancel

Password Management System

Reset Password

Username:


Question :

Answer:

Password Management System

Reset Password

Message

 Incorrect answer. Please retry!

Answer:

Password Management System

Reset Password

Old Password :


New Password :

Repeat Password :

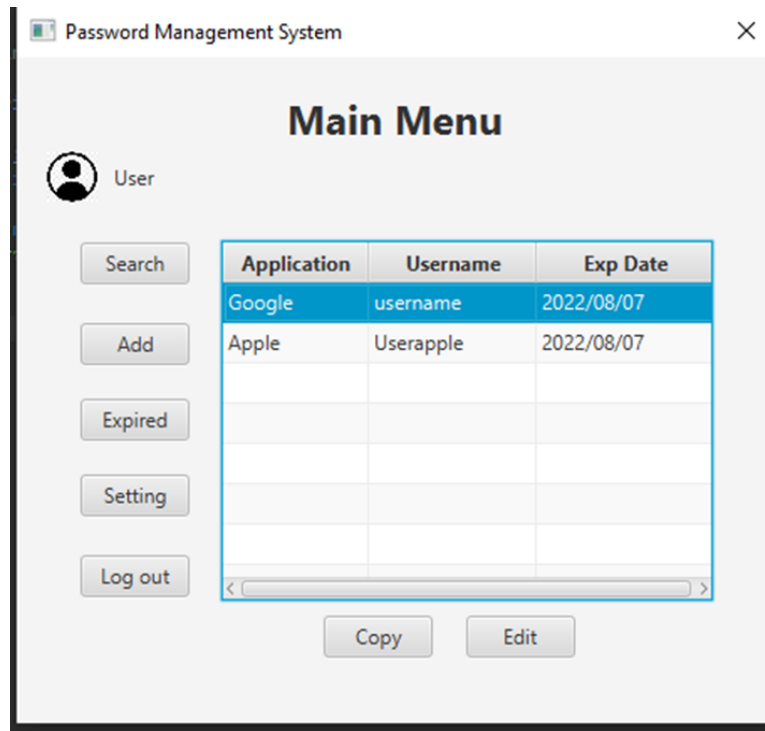
Password Management System

Reset Password

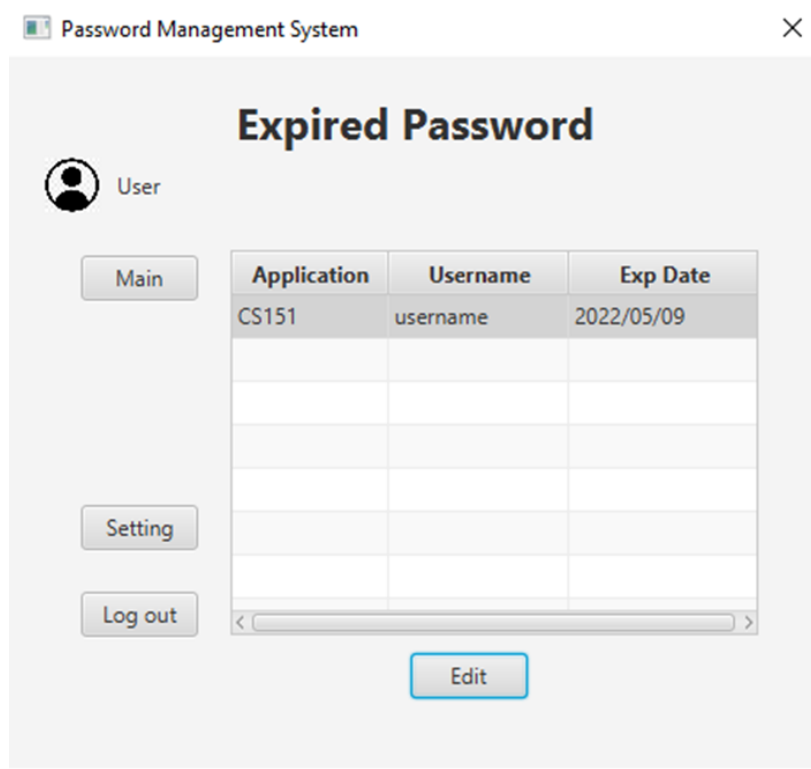
Message

 password and repeat password do not match!

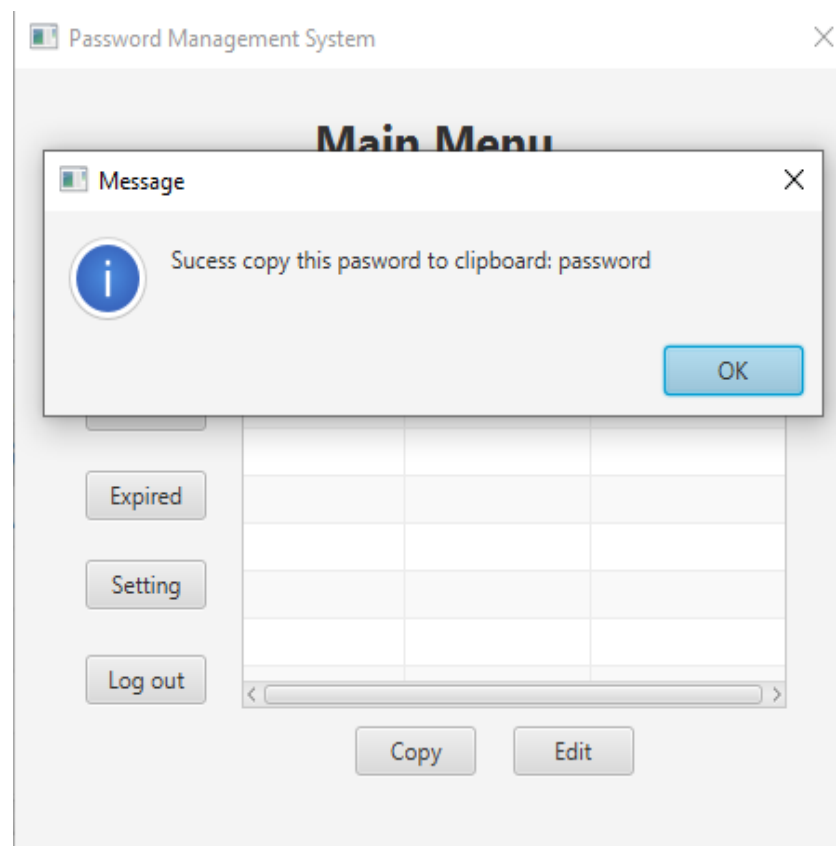
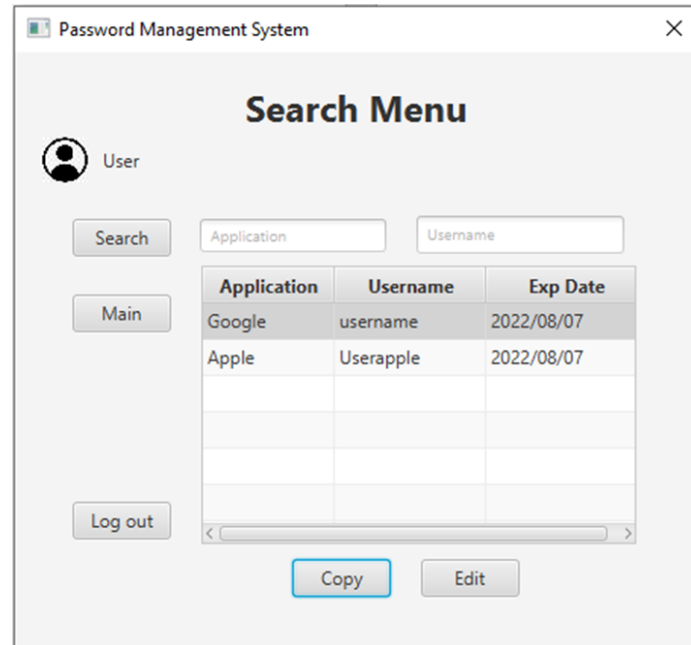
D. Main menu:



E. Expired Password menu



F. Search menu:



G. Application Editing menu:

✕

Password Management System

Application Info

Application Name :

Google

Email :

email

Username :

user

Password :

password

Password Duration :

100

Day(s)

Date Created :

2022/05/10

Date Expired :

2022/08/18

Submit

Generate Pass

Back

Delete

✕

Password Management System

Application Info

Message

✕

i

Application information was edited!

OK

Password :

password

Password Duration :

100

Day(s)

Date Created :

2022/05/10

Date Expired :

2022/08/18

Submit

Generate Pass

Back

Delete

Application Info

Message



Application and account name pair already exist! Please choose new application or username name

OK

Password :

a

Password Duration :

90

Day(s)

Date Created : 2022/05/10

Date Expired : 2022/08/08

Submit

Generate Pass

Back

Delete

Password Management System



Generate Password

Number Of Digits :

1

Upper Case :

1

Special Charecters :

1

Lower Case :

5

(!"#\$%&'*,./:;<=>?@[\\]^_`{|}~)

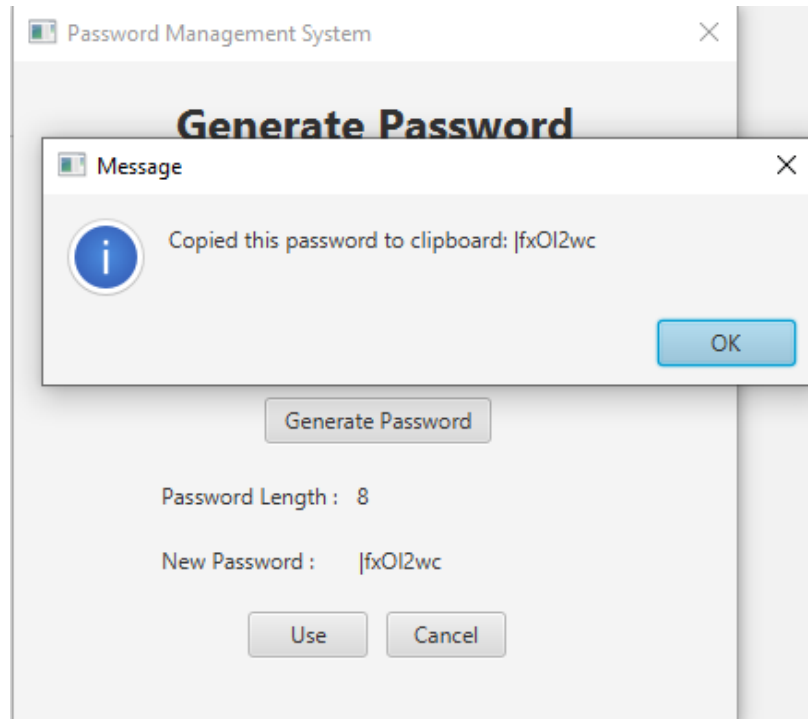
Generate Password

Password Length :

New Password :

Use

Cancel



H. Add Application menu

The screenshot shows a window titled "Password Management System" with a close button (X) in the top right corner. The main content area is titled "Add Application". Below the title, there are five input fields with labels to their left:

- Application Name :
- Email :
- Username :
- Password :
- Password Duration : Day(s)

Below the input fields, there are three buttons: "Generate Password", "Submit", and "Cancel".

Add Application

Message

×



Please add a different account! This account has already added!

OK

Password :

Password Duration :

Day(s)

Generate Password

Submit

Cancel

Add Application

Message

×



Duration cannot be empty!

OK

Password :

Password Duration :

Day(s)

Generate Password

Submit

Cancel

Password Management System

Add Application

Message

Duration cannot contain any character or be negative!

OK

Password :

Password Duration : Day(s)

Generate Password

Submit Cancel

Password Management System

Add Application

Message

Successful create new account!

OK

Password :

Password Duration : Day(s)

Generate Password

Submit Cancel

I. Setting menu:

Password Management System

Master Profile

Username :

Password :

Security Question :

Answer :

Password Management System

Reset Password

Old Password :

New Password :

Repeat Password :

Change Security Question

Old Question :

quest

New Question

newquestion

Submit

Cancel

Change Security Question

Old Answer :

ans

New Answer :

newanswer

Submit

Cancel