

# Project: Secure Vault

## Design Overview:

The Secure Vault application will consist of several components working together to provide secure storage and management of sensitive information. These components include:

**Since we have some UI/UX expertise, we will be using Figma, a design software to do the interfaces.**

### I) User Interface (UI):

The UI will provide an intuitive and user-friendly interface for users to interact with the application. It will include screens for registration, login, password management, sensitive information storage, and settings.

### II) Authentication Module:

This module will handle user authentication, including facial recognition and master password authentication. It will verify the user's identity before granting access to the application's features.

### III) Storage and Encryption::

Data storage will involve encrypted databases to securely store passwords and sensitive information. Strong encryption algorithms will be used to protect the stored data from unauthorized access.

#### **IV) Password Strength Analyzer:**

A component dedicated to evaluating the strength of passwords entered by users. It will provide feedback and recommendations for creating stronger passwords.

## **Working Flows:**

### **I) Registration and Enrollment:**

#### **1) User Registration:**

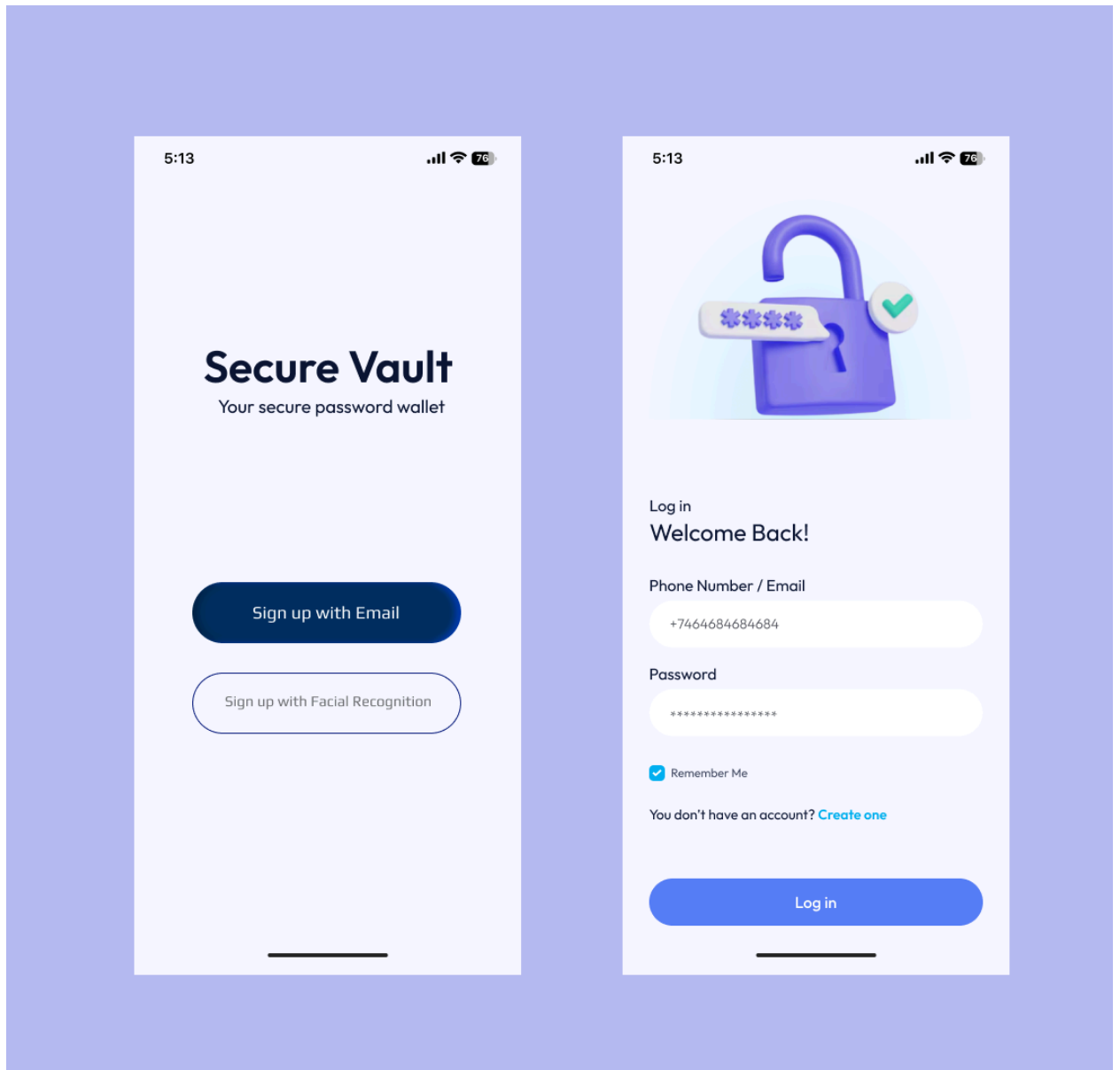
User provides basic information (name, email, etc.).

Optionally, user sets up facial recognition authentication.

#### **2) Facial Recognition Enrollment:**

User captures multiple facial images for enrollment.

Facial biometrics are processed and stored securely.



## II) Login and Access:

### 1) User Login:

User enters credentials (facial scan or master password).

Authentication module verifies identity.

Upon successful authentication, user gains access to the application.

### **III) Password and Sensitive Information Management:**

#### **1) Adding, Viewing, Editing, and Deleting Passwords:**

User navigates to password management section.

User adds, views, edits, or deletes passwords for various platforms.

#### **2) Storing and Managing Sensitive Information:**

User accesses the sensitive information storage section.

User securely stores and manages identification documents, financial details, etc.

5:13



Hello  
Wael Haji

Having a problem  
with the Mobile app ?

Contact us here



### Password Logs

[View all](#)



**UVT TBS**  
Wael hajji account

96853@aq



**Instagram**  
wael\_hajji

ksaie@ed8



**Facebook**  
Wael haji

575qea5ze

### Password Strength tester

Password

Test



#### **IV) Password Strength Analysis:**

##### **1) Assessing Password Strength:**

User inputs a password into the strength analyzer tool.

The tool evaluates the password's strength based on predefined criteria.

Feedback and recommendations are provided to the user for improvement.

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**Instagram**  
wael\_hajji

ksaie@ed8



**Facebook**  
Wael haji

575qea5ze

### Password Strength tester

dajmkja85aze

You need to add a symbol "@",... ( hethy blaset l  
message illi ykolk chnouwa tbadel walla tzid)

Test



**Team Members:** Achref Khairi Wael Haji

### **III) Roles (or Users):**

#### **1. End users:**

- Security-conscious individuals who utilize the Secure Vault app to securely store and manage their passwords and sensitive information.

#### **2. Administrators:**

- Responsible for maintaining and updating the application's backend infrastructure, ensuring data security and system integrity.