



User-friendly password & file management App for iOS

SUNG Ka Ho

Advised by Prof. Brahim Bensaou

Introduction

This App allows users to manage their passwords and files securely. Security features on iOS which are provided by Apple are used to provide secure storage unit for users to store sensitive passwords and files.

Security Features Used

1. iOS Keychain

- Secure storage unit for sensitive data on iOS
- Only the App storing the data can retrieve the data

2. Data Protection Capability

- File protection feature which encrypts all files in the App when the iOS device is locked

App Features

1. Secure Password Manager

- Password storage unit using Keychain

2. Secure File Manager

- File storage unit using Data Protection

3. User Authenticator

- Denial of access without passcode

4. Parameter Settings

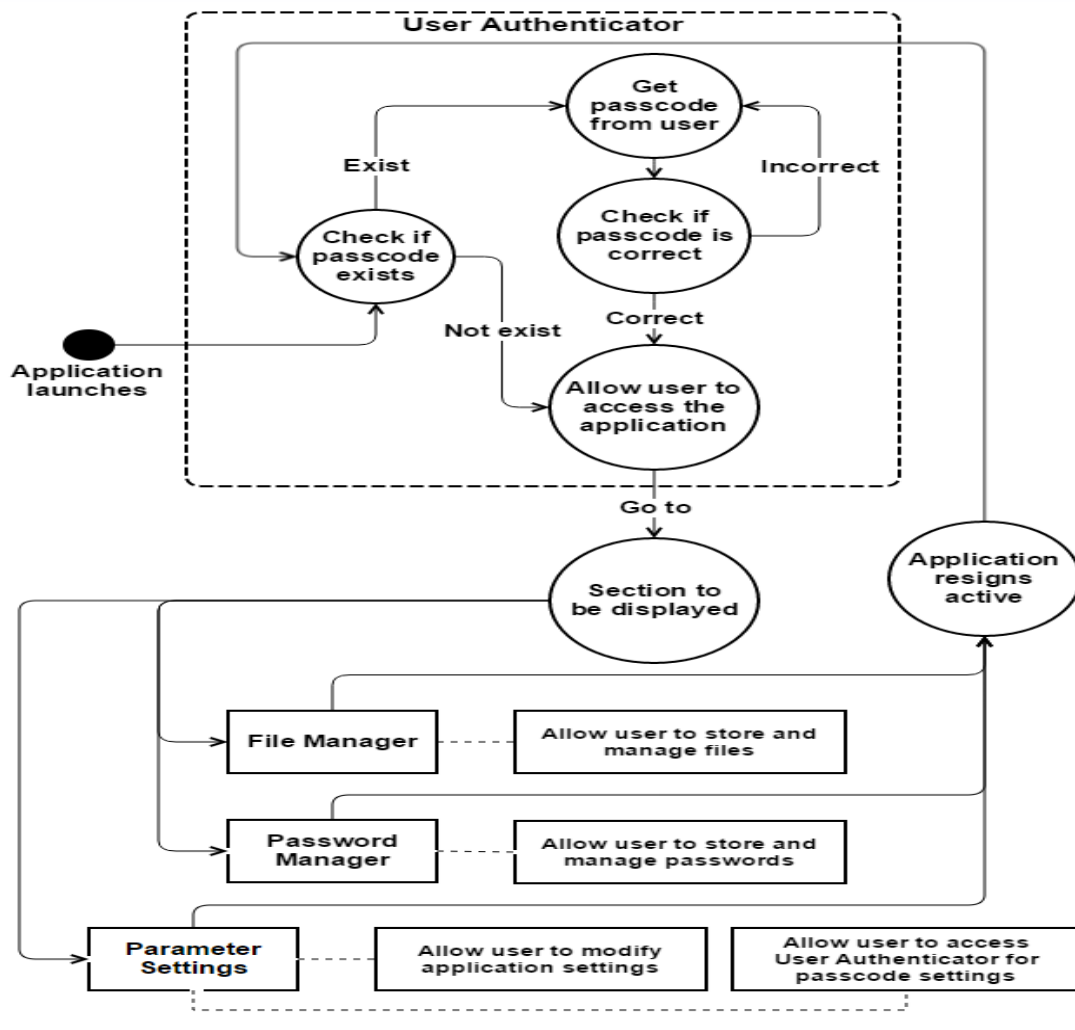
- Custom GUI settings

5. Simple & neat GUIs

- User-friendly GUIs

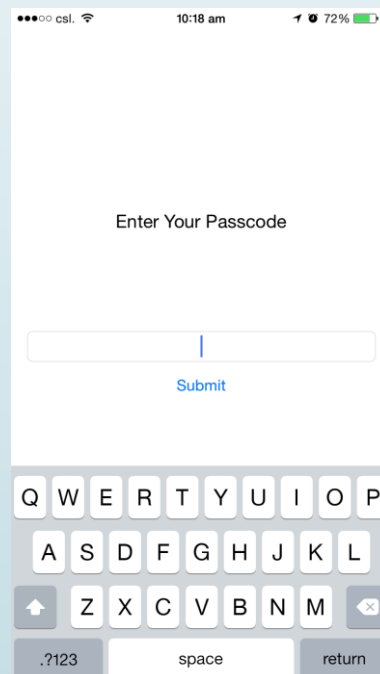
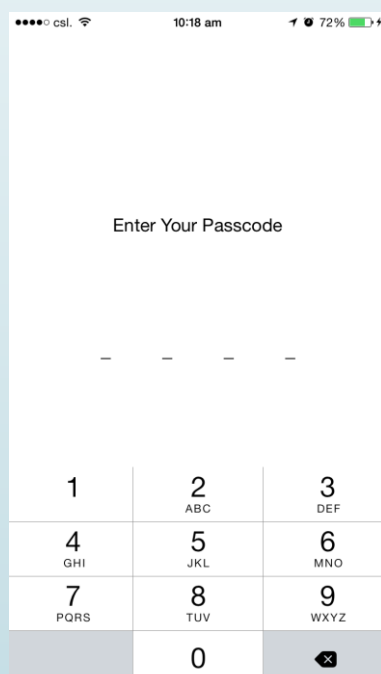
App Overview

The overview diagram shows the general flow of the App.



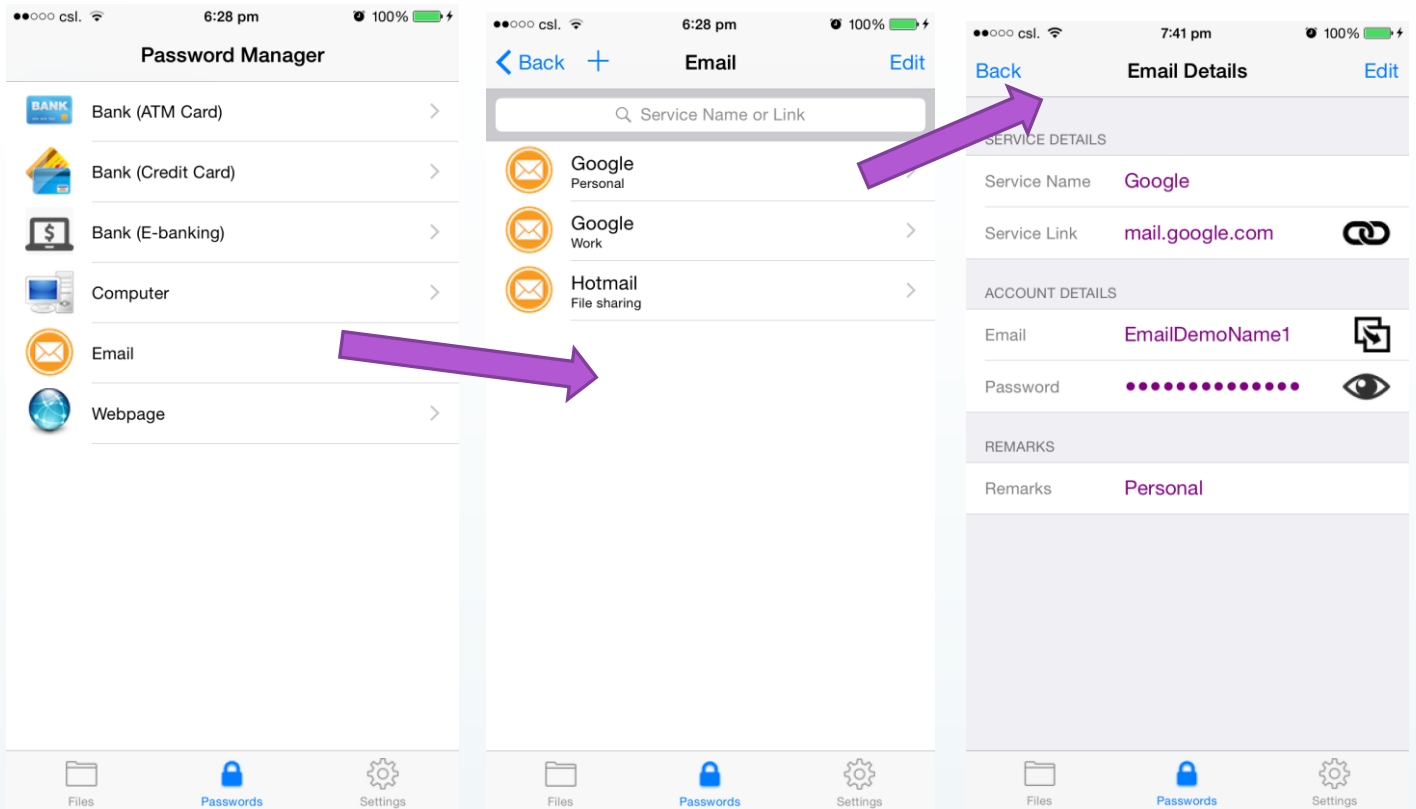
Graphical User Interfaces

User Authenticator requesting passcode:



Graphical User Interfaces

Password Manager in use:



File Manager in use:

