

**UMPSA X HUAWEI MAC\_**  
**PROJECT DESCRIPTION :**



# **everBrain**

Your Ultimate Password Management Solution

---

**PRESENTED BY:**

**[ TEAM SIVAJI ]**

SHATTHIYA GANES A/L SIVAKUMARAN

LOGATHEPAN A/L MUNIYAPPAN

# Agenda

01	Team Information
02	Project Overview
03	Objectives and Goals
04	<b>Key Features</b>
05	Target Audience
06	Technology Stack
07	HMS Integration
08	Contact us
09	Conclusion

# Team Information



**SHATTHIYA GANES**

Project Manager and  
Lead Developer



**LOGATHEPAN**

UX/UI Designer and  
Security Specialist

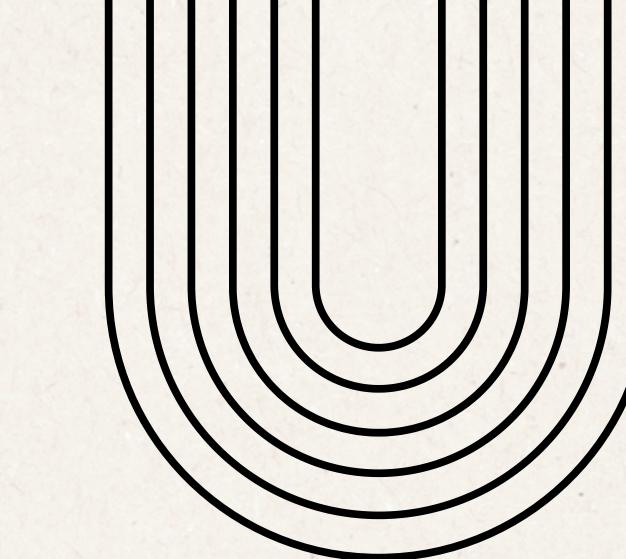


# Project Overview

EverBrain is a state-of-the-art mobile application designed to address the growing need for secure and convenient password management. Our mission is to provide users with a reliable solution for storing and managing their passwords across various websites and social media platforms.



- 01** The project's primary goal is to offer a secure and user-friendly platform that prioritizes the protection of sensitive data while providing a seamless experience for our users.
- 02** What sets EverBrain apart is its unique storing all the information in users device using strong and modern encryption method , robust password generator tool, "no screenshot and background leakage" feature and integration with Huawei Mobile Services (HMS) UrlCheck and UserDetect, all contributing to an unmatched level of security.



# Objectives and Goals



## Enhanced Password Security

significantly enhance password security for our users through encryption, prevention of unauthorized access, and regular threat scans.



## Cybersecurity Awareness

contribute to cybersecurity awareness by educating users about the importance of strong, unique passwords and secure password management practices.



## User Convenience:

Simplify password management, offering a seamless, frustration-free experience for users dealing with forgotten passwords and the complexity of multiple platforms.

# Key Feature



## Master Passcode

Users create a master passcode with a hint for account recovery



## Local Data Storage

Passwords stored locally with encryption for added security



## Local Authentication

Convenient unlock and viewing of stored passwords.



## Cloud-Based Authentication

An extra layer of security for logging in and accessing password hints.

# Key Feature



## Password Generator

Customize strong passwords based on preferred length and criteria



## Huawei Mobile Services (HMS)

The URLCheck API checks for malicious URLs and UserDetect can help your app prevent batch registration, credential stuffing attacks and many more.



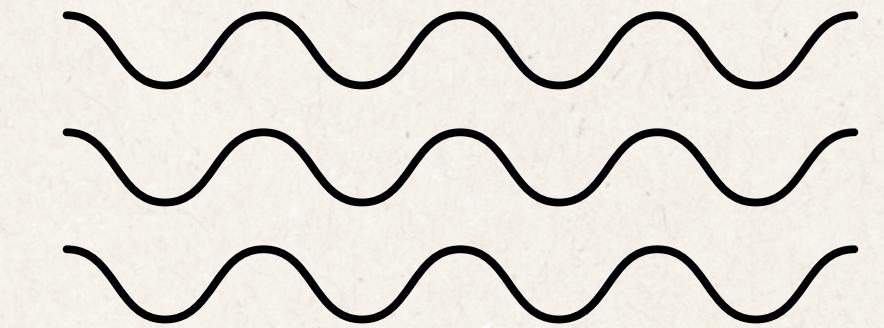
## No Screenshot and Background leakage Feature

Prevents users from taking screenshots of password data.



## Strict Verification

Users must verify their identity through a master passcode or biometrics each time they open & exit the app.



# Target Audience

EverBrain is designed for individuals of all ages who are concerned about the security of their online accounts and wish to simplify the management of their passwords.

# Technology Stack

## Languages

Dart Programming Language

## Frameworks

Flutter & Getx

## Security

Local Authentication/Password, Encryption algorithms (AES), Hive Encryption Box, Huawei Mobile Services (HMS) UrlCheck, and UserDetect

## UI/UX

Figma, Canva, Dall-E

## Backend (Storages & Services)

Firebase, Hive, Huawei Mobile Service (HMS) Core



# INTEGRATION OF HUAWEI OPEN CAPABILITIES & SERVICES

## HMS CORE > SAFETY DETECT

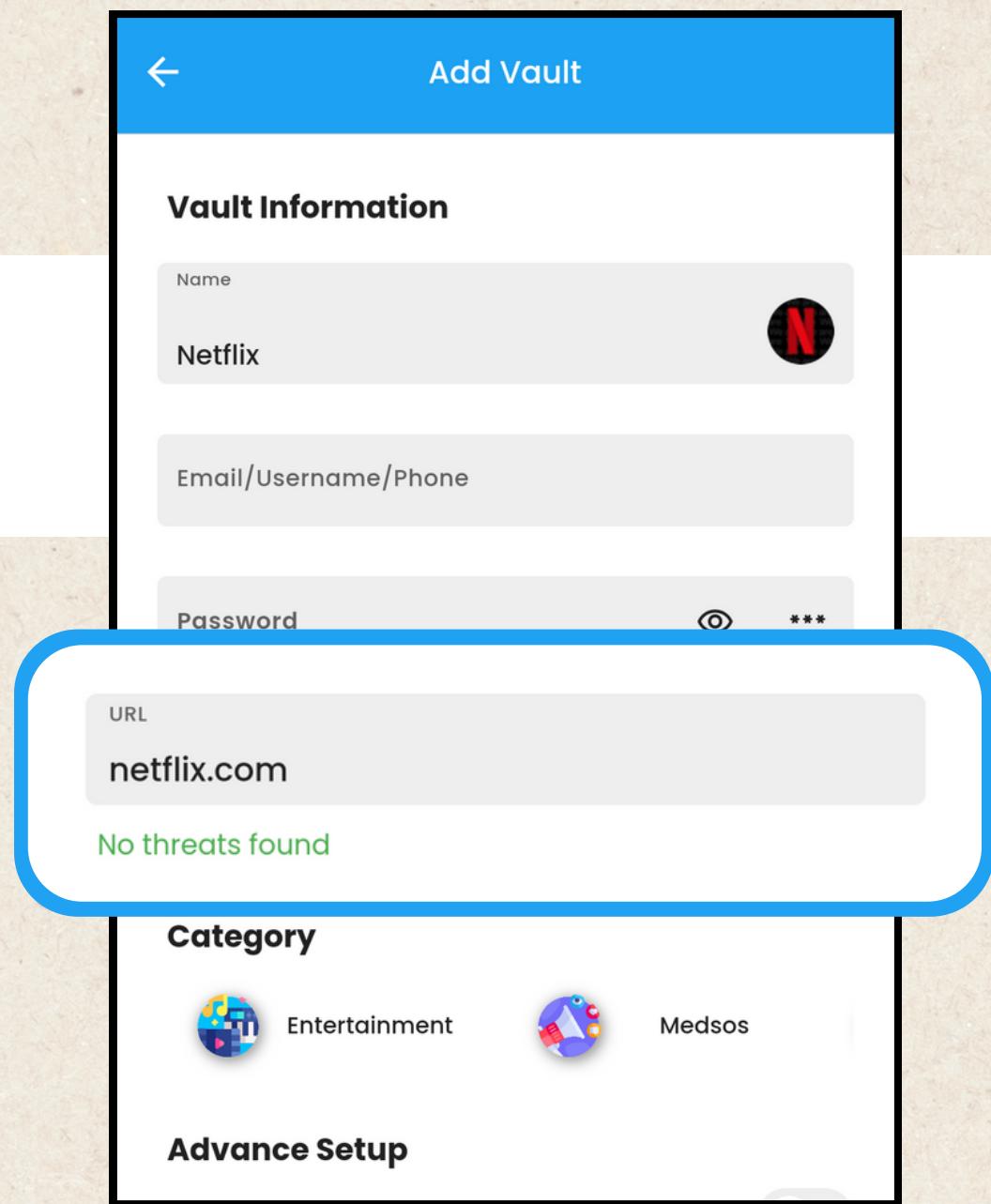
### Function:



#### URLCheck >

Recognizes potential links to malicious websites and determines the risk type for you to respond appropriately.

This feature has been seamlessly incorporated into the application. When a user wishes to input the URL of their favourite website for password storage, they are restricted from entering URLs that potentially contain malware. If a user attempts to input a URL that is flagged for malware, they are prohibited from proceeding with password storage. This serves a dual purpose: educating users about the safety of websites they intend to save passwords for and safeguarding them from potentially harmful websites and apps.



# INTEGRATION OF HUAWEI OPEN CAPABILITIES & SERVICES

## HMS CORE > SAFETY DETECT

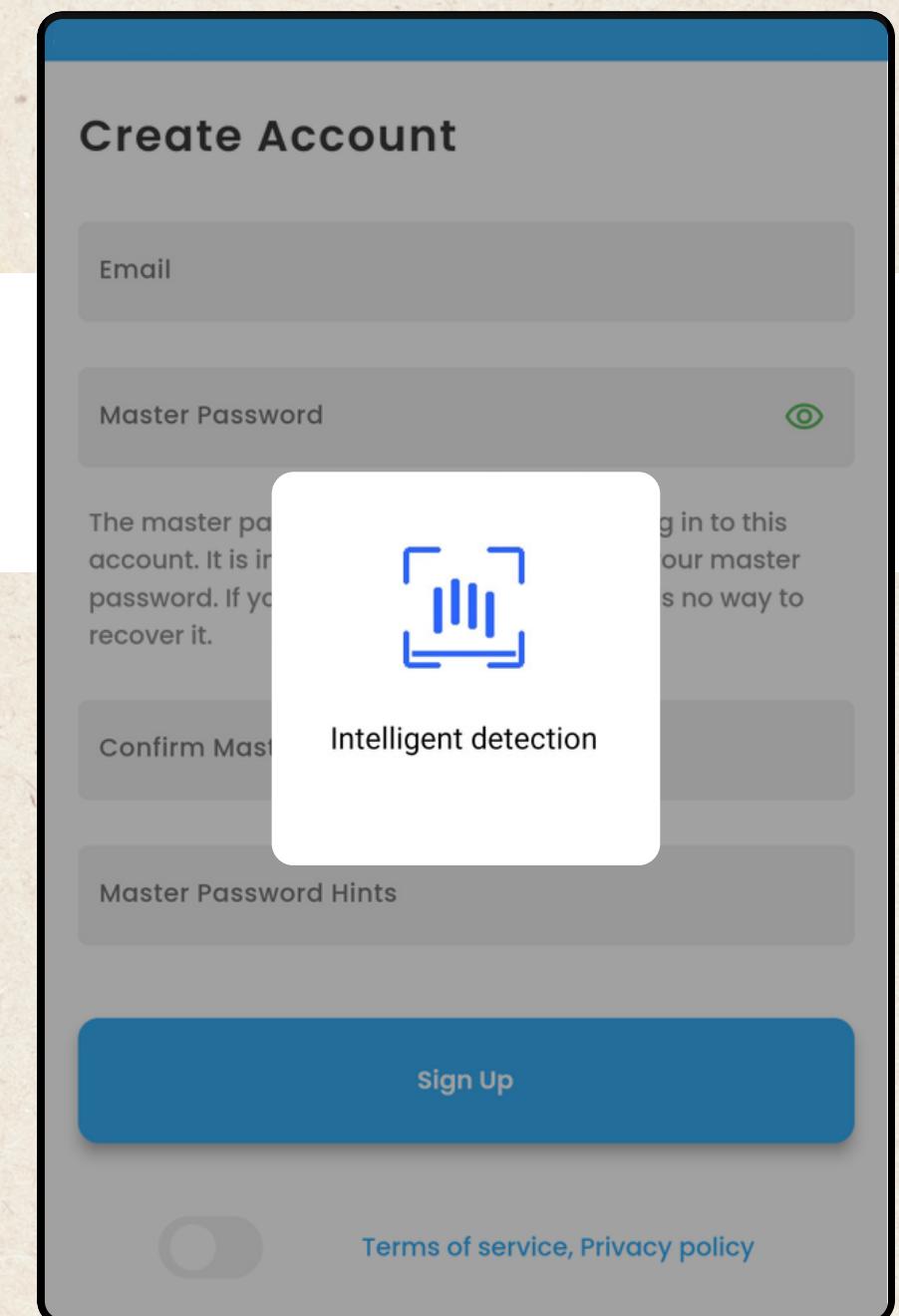
### Function:



#### UserDetect >

Identifies your user as human or machine.

Another function within Safety Detect that we've integrated is UserDetect, which is applied to every button in the application. For instance, when a user tries to add a password for Facebook, UserDetect checks whether they are a human or a computer. It helps prevent automated bots or malicious scripts from accessing or interacting with sensitive account information.



# INTEGRATION OF HUAWEI OPEN CAPABILITIES & SERVICES

## HMS CORE > SAFETY DETECT

### Function:



Cloud Hosting

We also used HMS cloud hosting to host Terms and Conditions webpage on cloud.

← Agreement

### Terms and Conditions

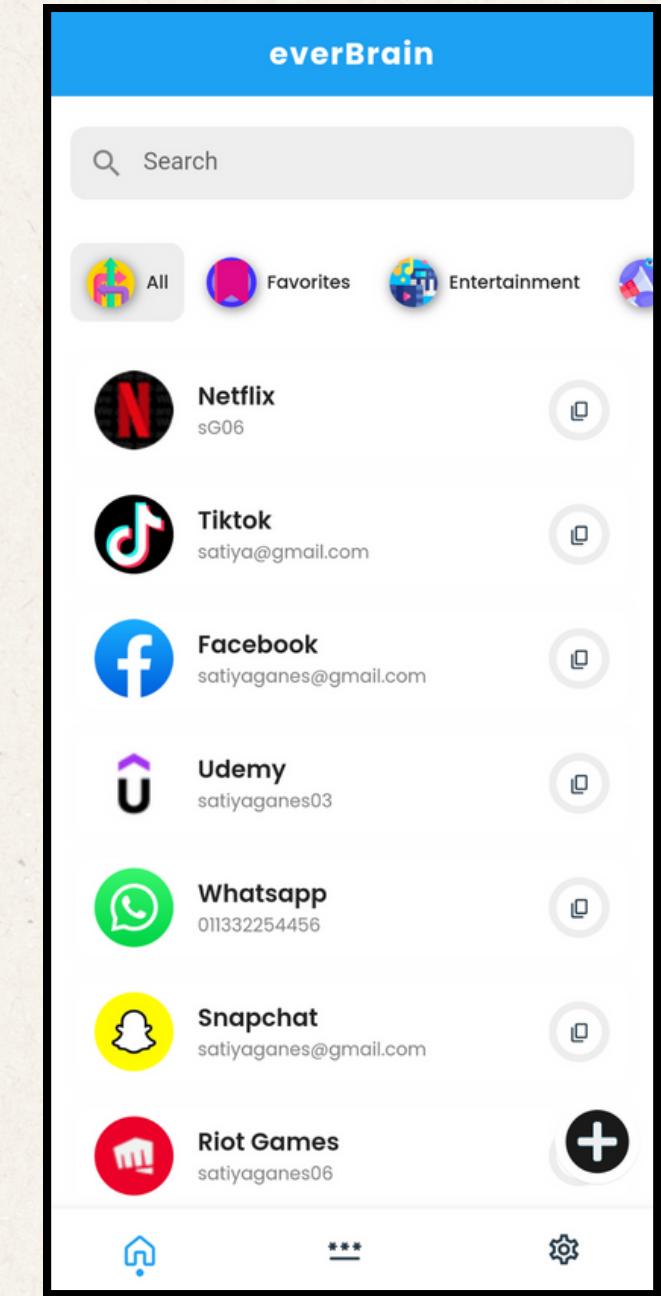
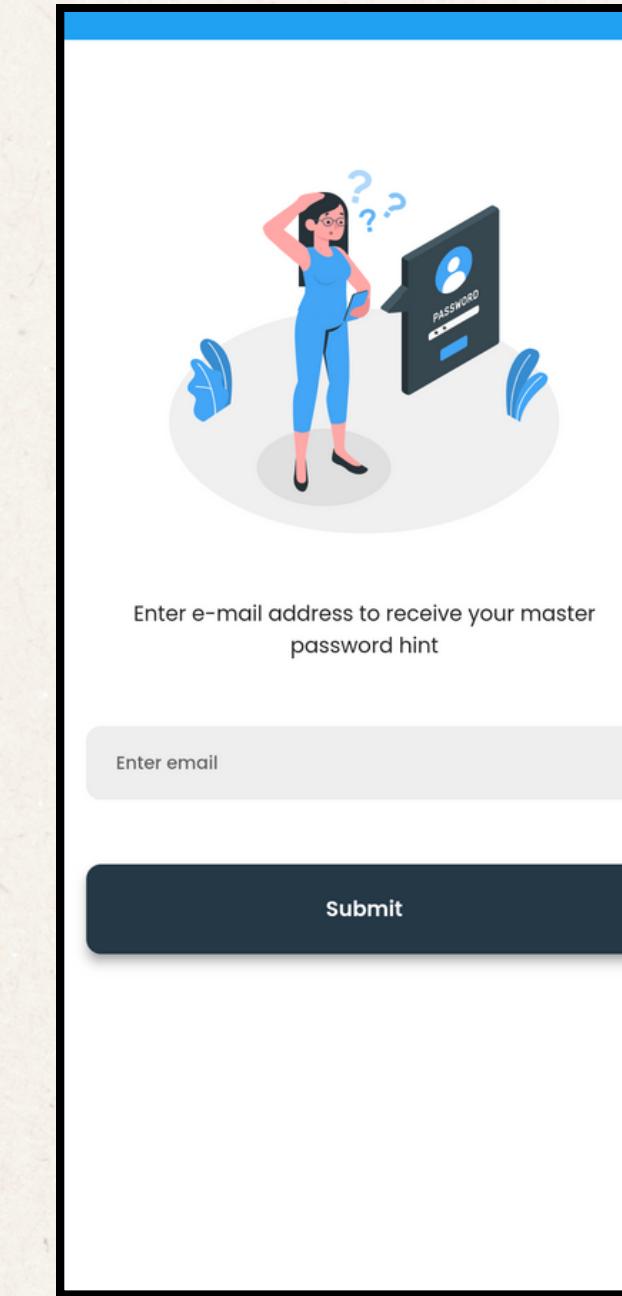
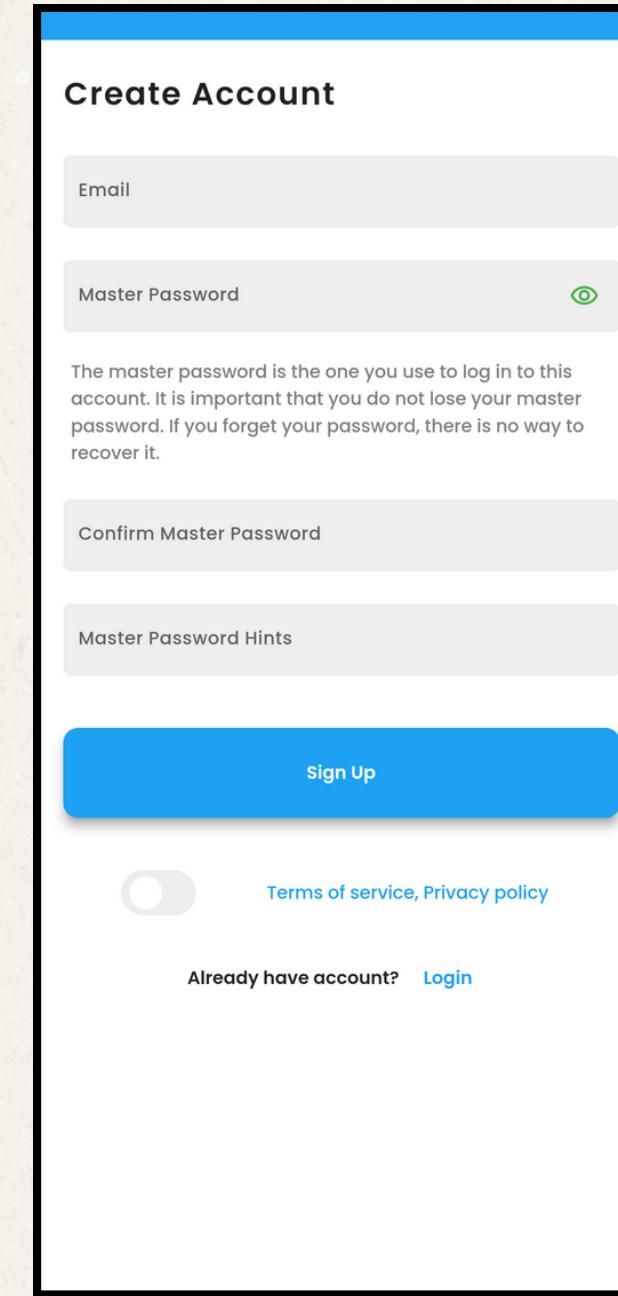
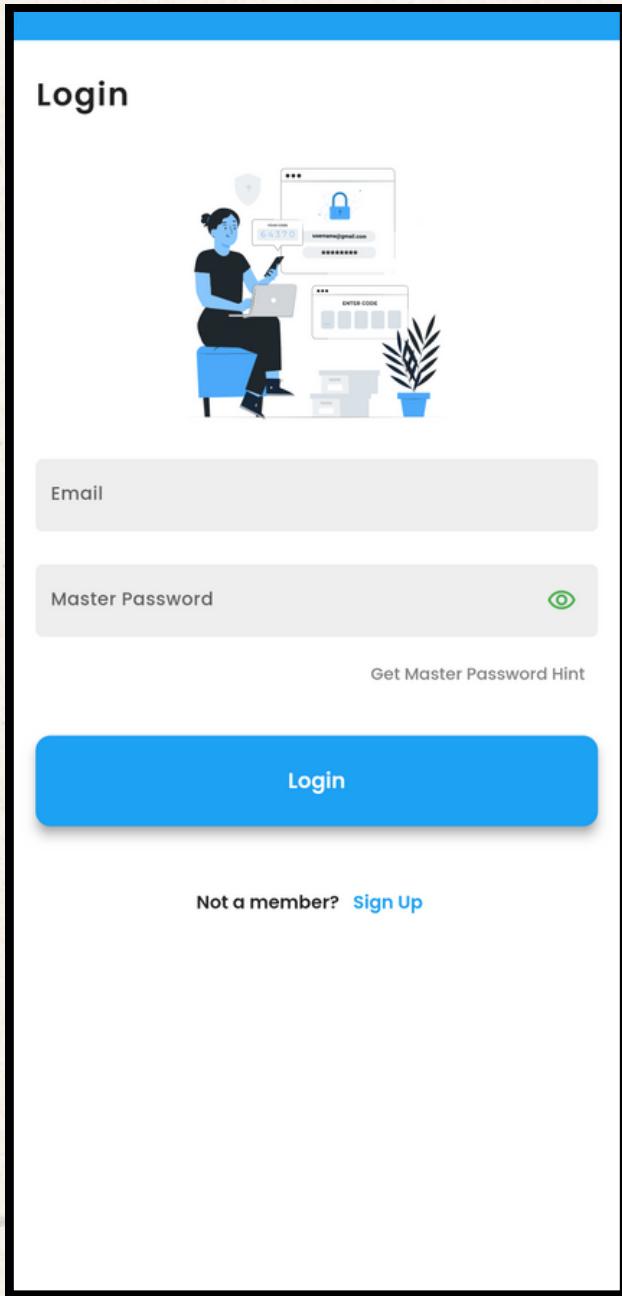
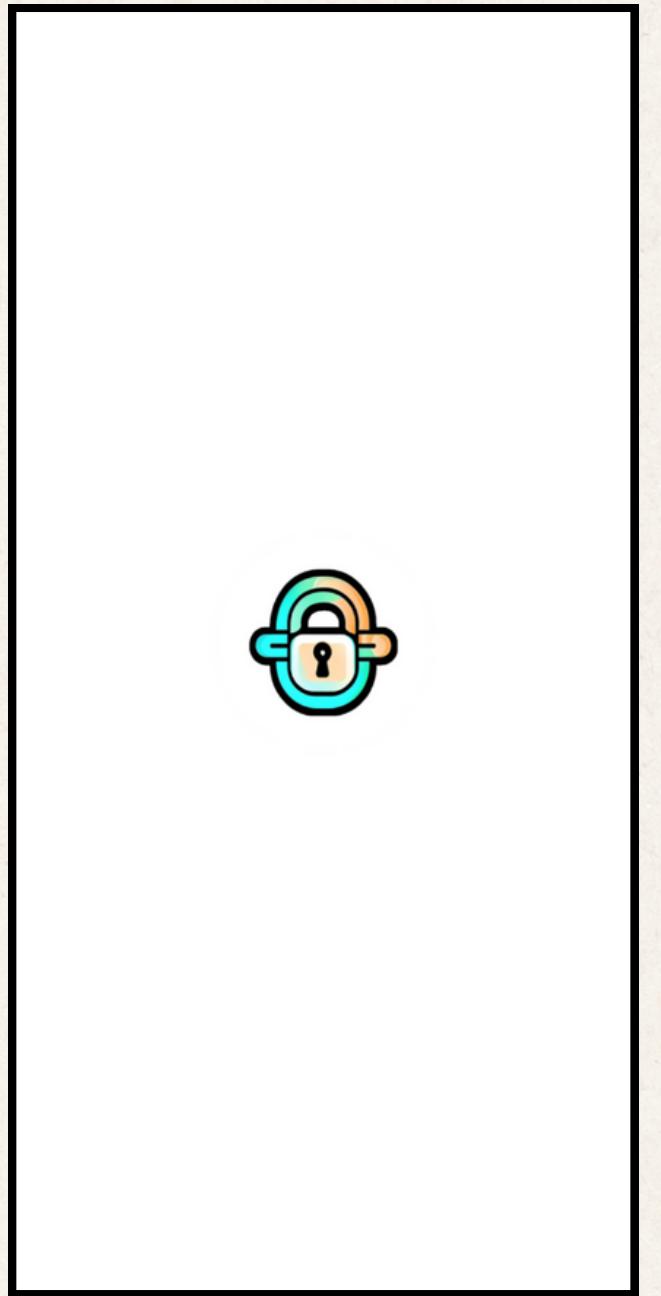
Welcome to everBrain!

These terms and conditions outline the rules and regulations for the use of everBrain.

By using this app we assume you accept these terms and conditions. Do not continue to use everBrain if you do not agree to take all of the terms and conditions stated on this page.

The following terminology applies to these Terms and Conditions, Privacy Statement and Disclaimer Notice and all Agreements: "Client", "You" and "Your" refers to you, the person log on this website and compliant to the Company's terms and conditions. "The Company", "Ourselves", "We", "Our" and "Us", refers to our Company. "Party", "Parties", or "Us",

# App Snapshots



# App Snapshots



The image displays four screenshots of the everBrain mobile application:

- Screenshot 1: Lock Screen**

satiyaganes@gmail.com

everBrain is locked

A large blue padlock icon is centered. Below it, four rounded squares represent a fingerprint or password entry area. At the bottom is a blue circular icon with a white '@' symbol.
- Screenshot 2: Home Screen**

everBrain

Search

All Favorites Entertainment

Netflix (sg06)

Tiktok (satiya@gmail.com)

Facebook (satiyaganes@gmail.com)

Udemy (satiyaganes03)

Whatsapp (011332254456)

Snapchat (satiyaganes@gmail.com)

Riot Games (satiyaganes06)

+

Home ⌂ ⚙

This screen shows a list of saved logins for various services, each with a small icon and the account email.
- Screenshot 3: Password Generator**

Password Generator

k{!/T9LgsQLQ9

Strong

Time to crack: 24 thousand years

Password length: 13 characters

Lowercase letters (abc)

Uppercase letters (ABC)

Numbers (123)

Symbols (!@#)

C ⌂

Home ⌂ ⚙

This screen generates a strong password and allows customization of character sets.
- Screenshot 4: Settings Screen**

Settings

**Security**

  - ⌚ App time out Coming Soon
  - ⌚ Unlock with Biometrics off
  - ⌚ Unlock with Passcode off
  - 🗝 Get Master Password Hints
  - 🛡 Security Questions
  - 🔒 Lock now

**Backup**

  - 📤 Export Vault Coming Soon

**Other**

  - 👤 About
  - 👤 Contact Us
  - 👤 Logout

Home ⌂ ⚙

This screen contains various security and account management settings.

# App Snapshots



The image displays four screenshots of the everbrain mobile application, illustrating the process of creating and managing vaults for various accounts.

- Screenshot 1: Add Vault**

This screen shows a list of websites with their respective icons and URLs. A search bar at the top is empty. Below the list is a button labeled "Add new vault".
  - facebook.com
  - instagram.com
  - youtube.com
  - linkedin.com
  - tiktok.com
  - whatsapp.com
  - snapchat.com
- Screenshot 2: Netflix Vault**

This screen shows the "Vault Information" for a "Netflix" vault. It includes fields for Name (Netflix), Email/Username/Phone (sG06), URL (netflix.com), and a password field (.....). The "Category" is set to "Entertainment".

**Advance Setup**  
Favourite   
Use Biometric to unlock?

A pencil icon at the bottom right indicates edit mode.
- Screenshot 3: Add Vault**

This screen shows the "Vault Information" for a "Netflix" vault. It includes fields for Name (Netflix), Email/Username/Phone (sG06), URL (netflix.com), and a password field (.....). The "Category" is set to "Entertainment".

**Advance Setup**  
Favourite?   
Use Biometric to unlock?

A large "Save Account" button is at the bottom.
- Screenshot 4: Edit Vault**

This screen shows the "Edit Vault" view for the "Netflix" vault. It displays the same information as the previous screens but with a "Save" button at the bottom instead of "Save Account". The "Category" is now listed as "Entertainment" and "Medsos".

**Advance Setup**  
Favourite?   
Use Biometric to unlock?

A trash can icon at the top right indicates delete mode.

# Contact us



**E-mail** satiyaganes.sg@gmail.com

**Phone** 011-63348685

**Address** UMPSA, Pekan, Pahang

---

**E-mail** logathepan.m@gmail.com

**Phone** 011-16567450

**Address** UMPSA, Pekan, Pahang

---

# Conclusion



EverBrain is not just a password manager; it's a commitment to safeguarding our users' digital lives. We believe that by winning this competition, we can further promote cybersecurity awareness and provide a valuable solution to users worldwide. Thank you for considering EverBrain for this prestigious award.





everbrain

**THANK YOU**

---