

UMPSA X HUAWEI MAC_
PROJECT DESCRIPTION :



everBrain

Your Ultimate Password Management Solution

PRESENTED BY:

[TEAM SIVAJI]

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Agenda

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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

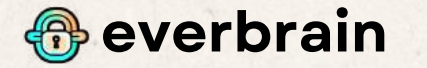
Convenient unlock and viewing of stored passwords.



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.



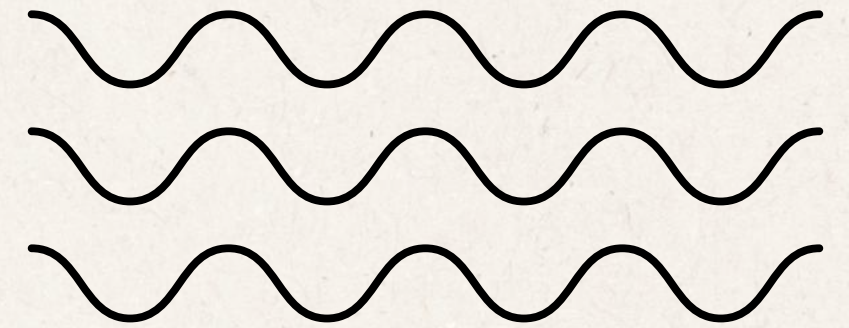
No Screenshot and Background leakage Feature

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

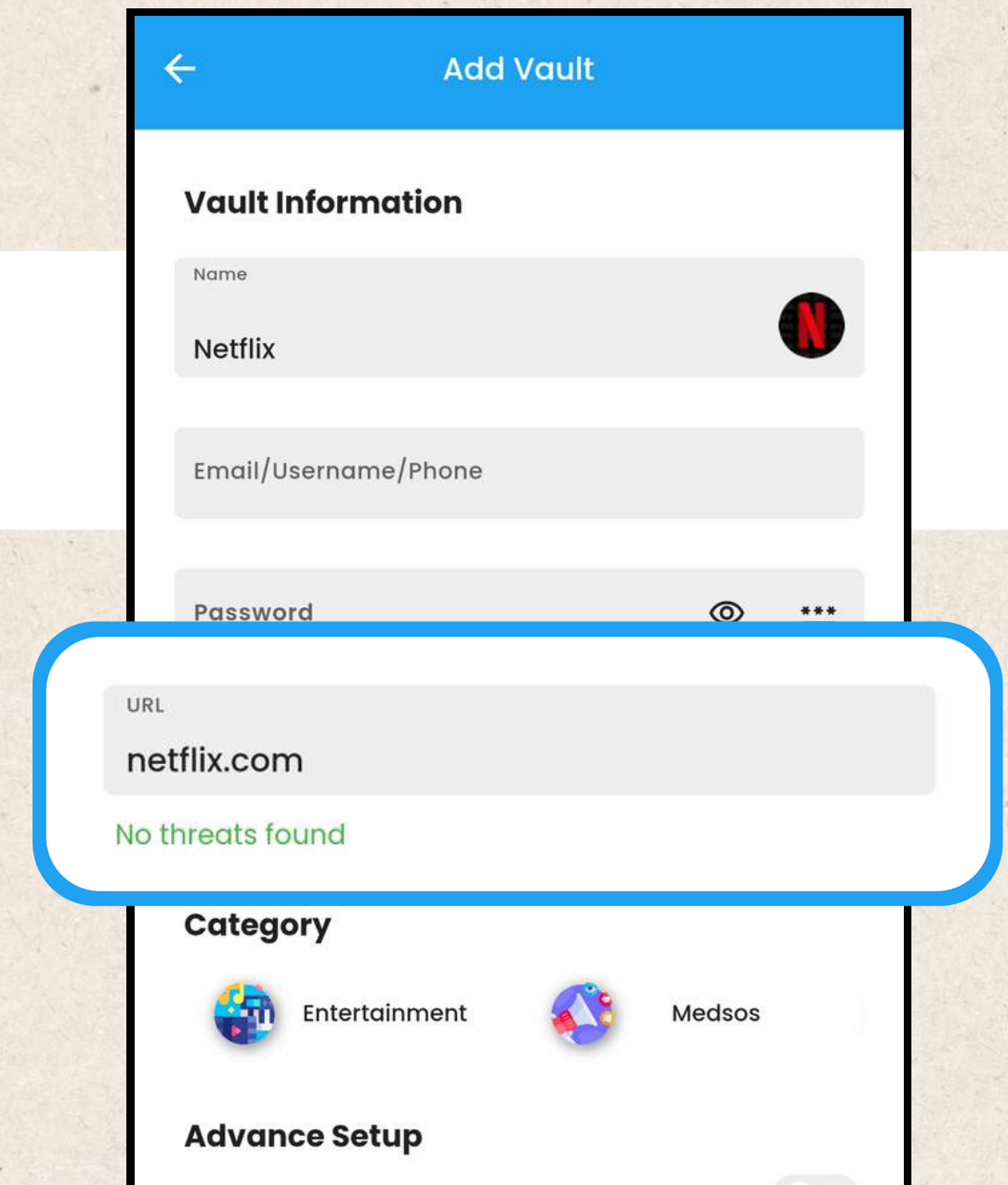
HMS CORE > SAFETY DETECT

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

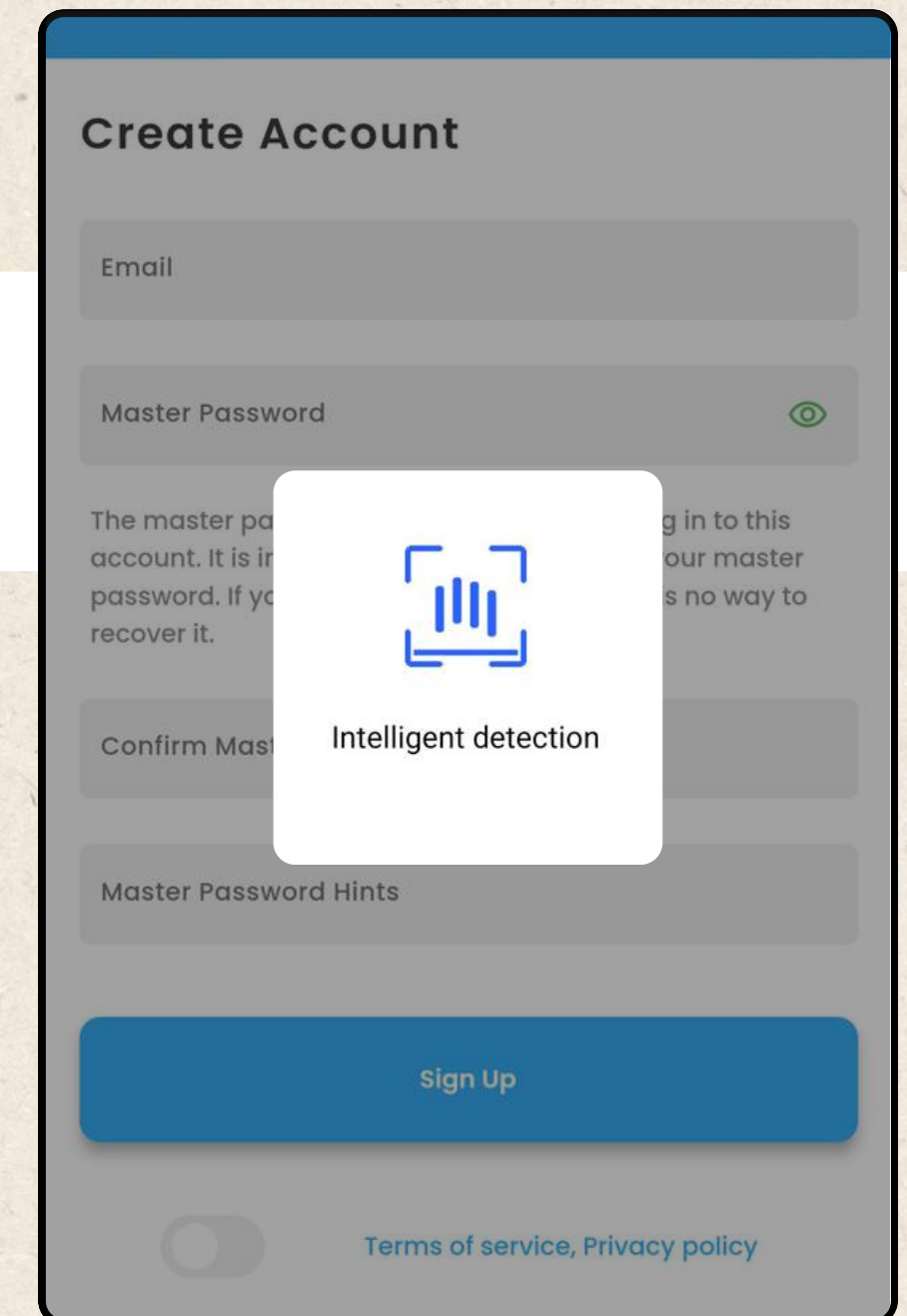
HMS CORE > SAFETY DETECT

Function:



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

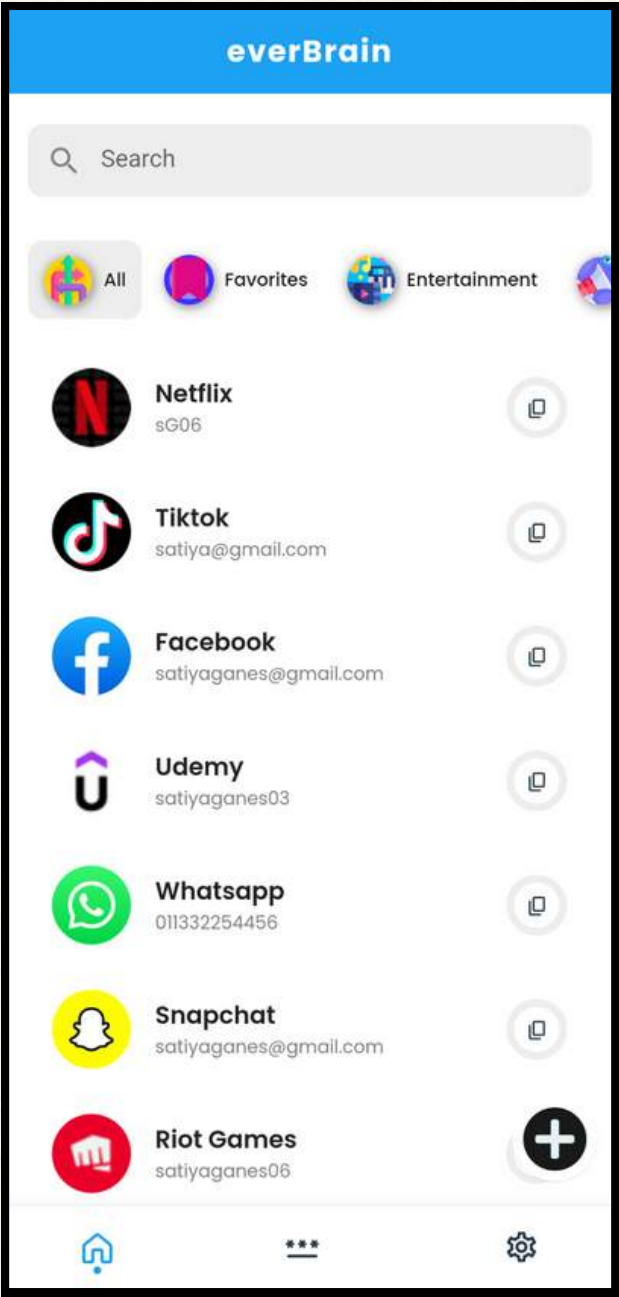
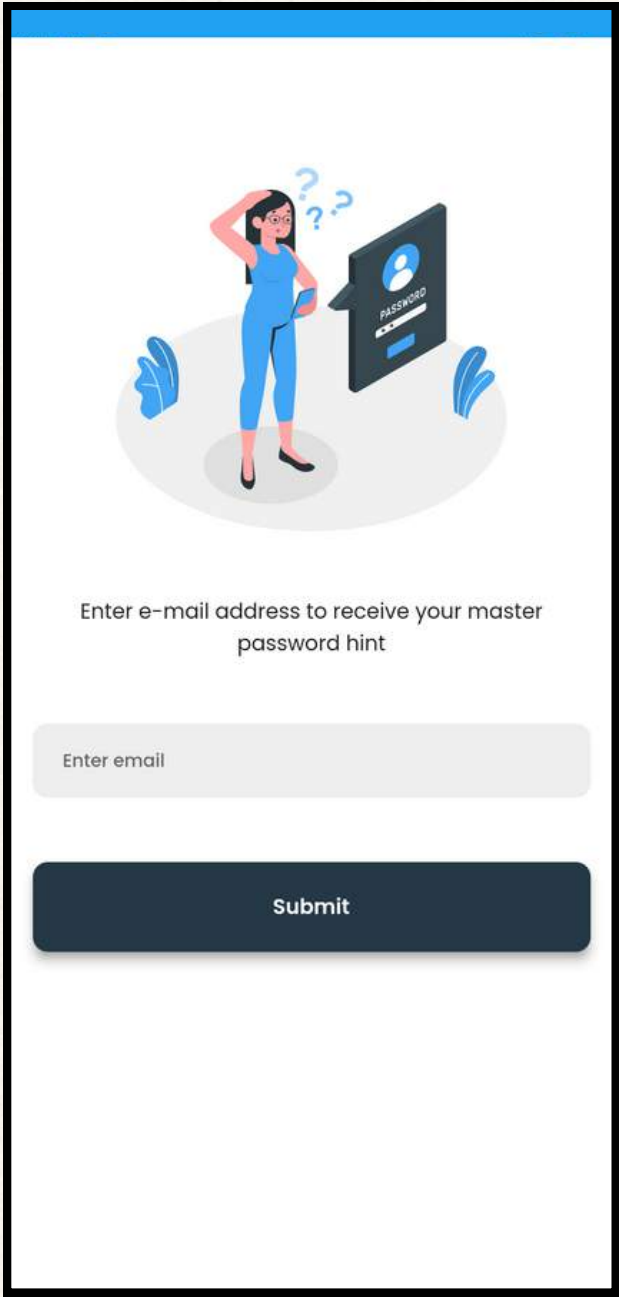
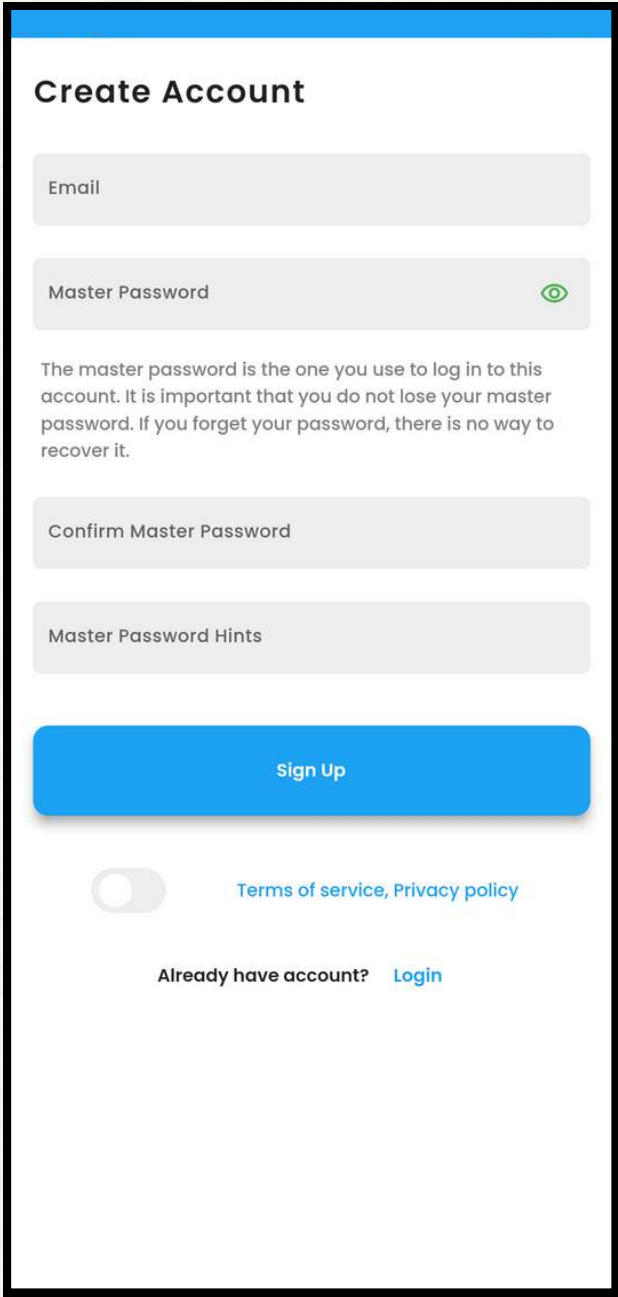
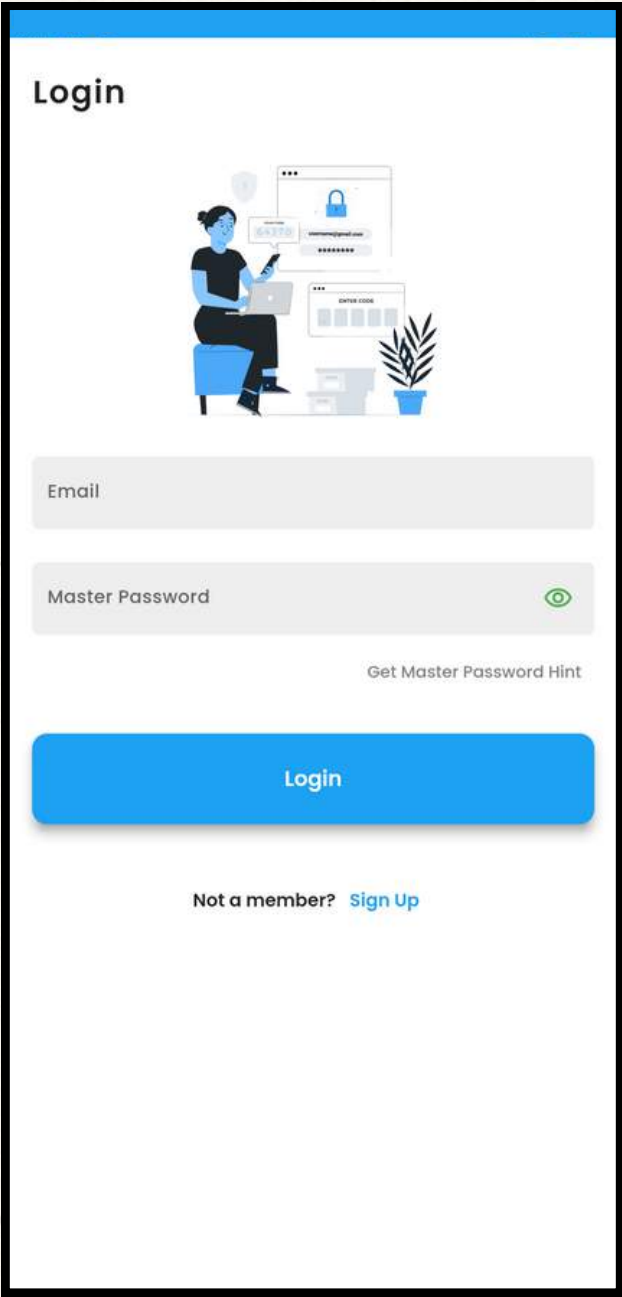
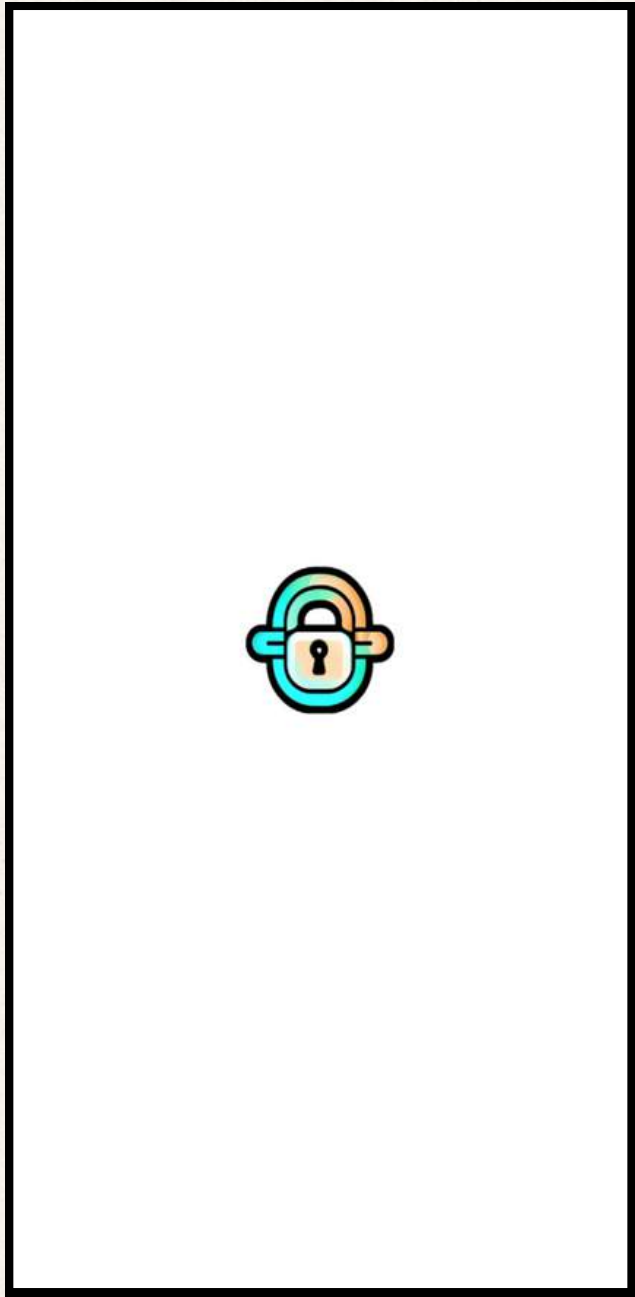
Function:



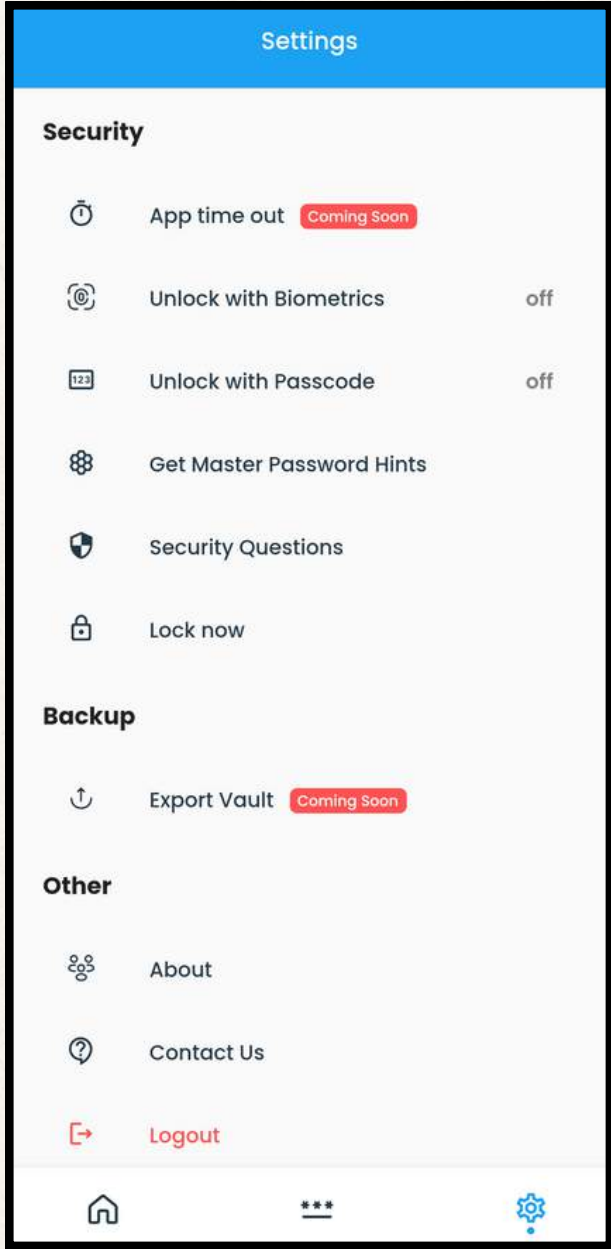
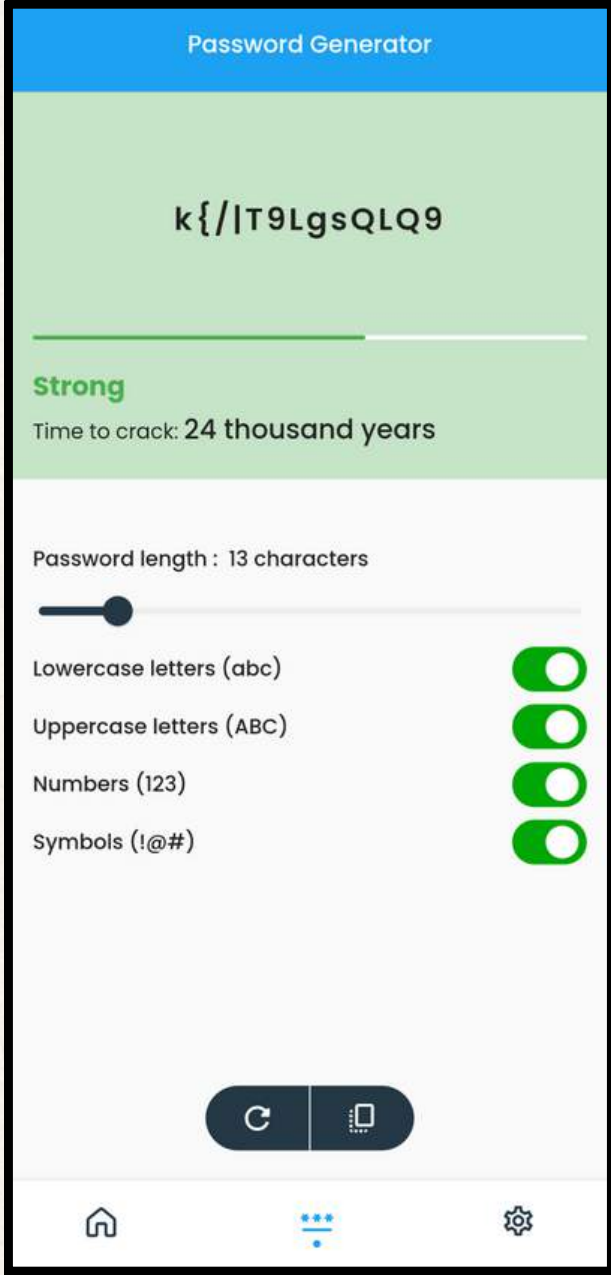
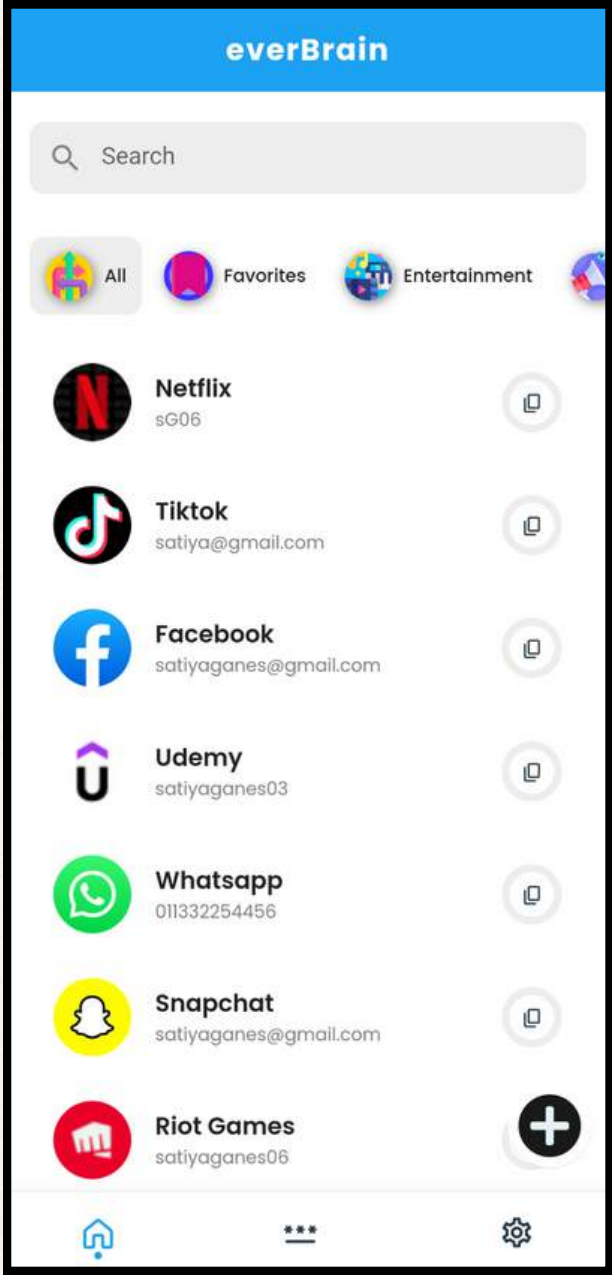
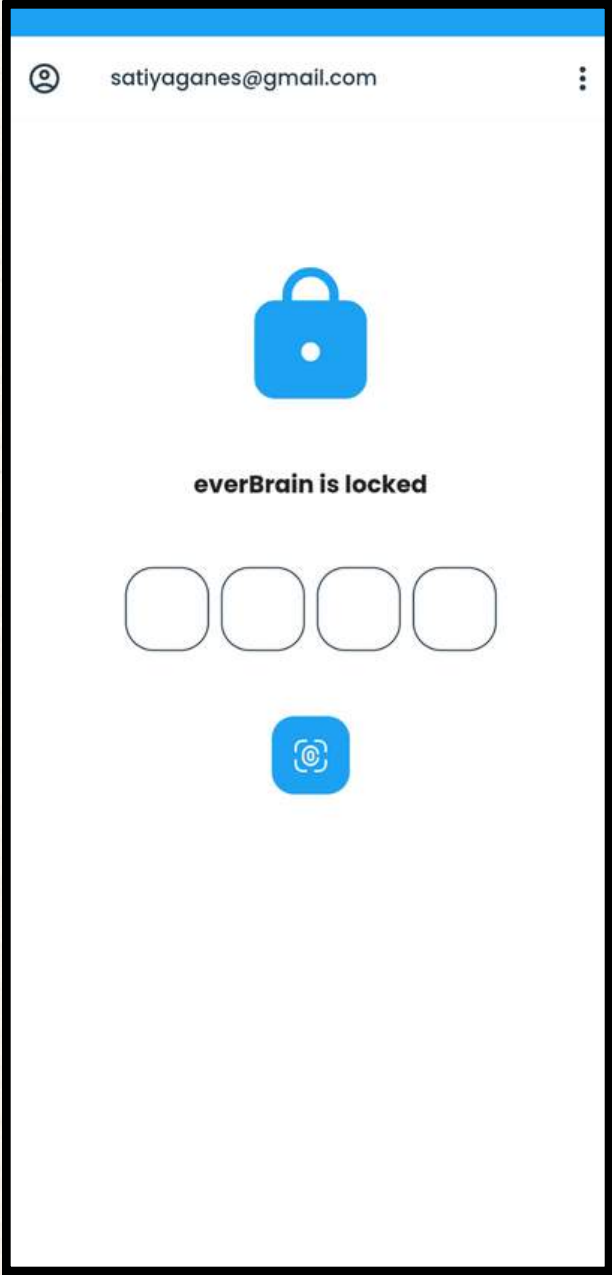
We also used HMS cloud hosting to host Terms and Conditions webpage on cloud.



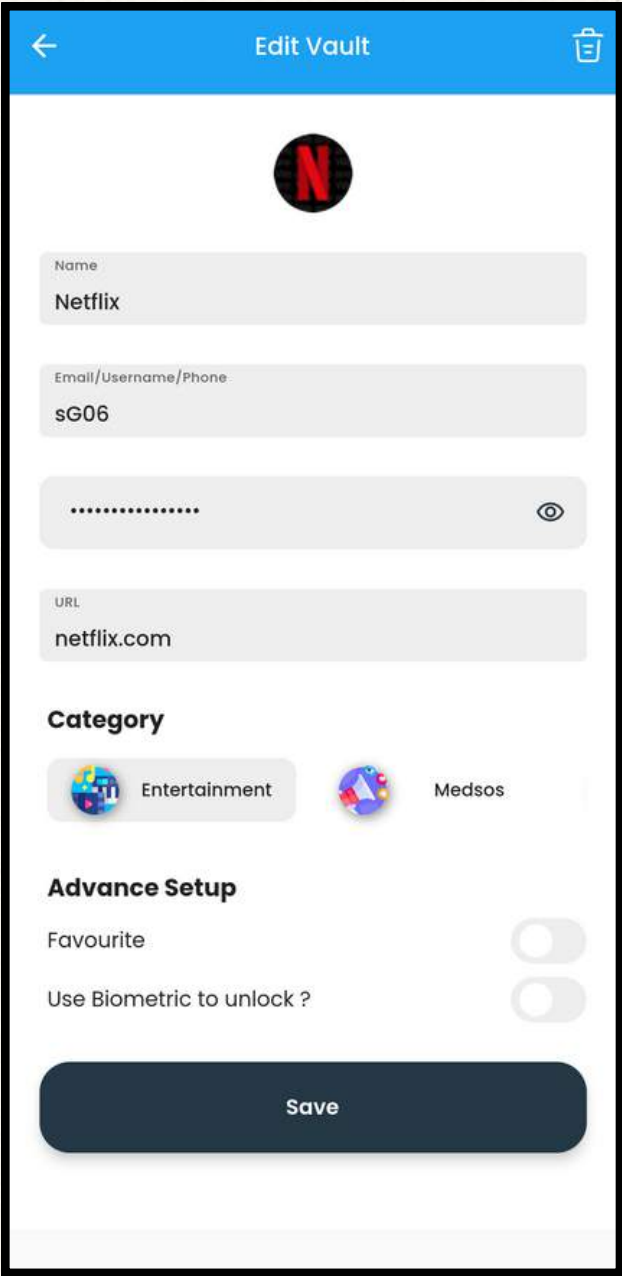
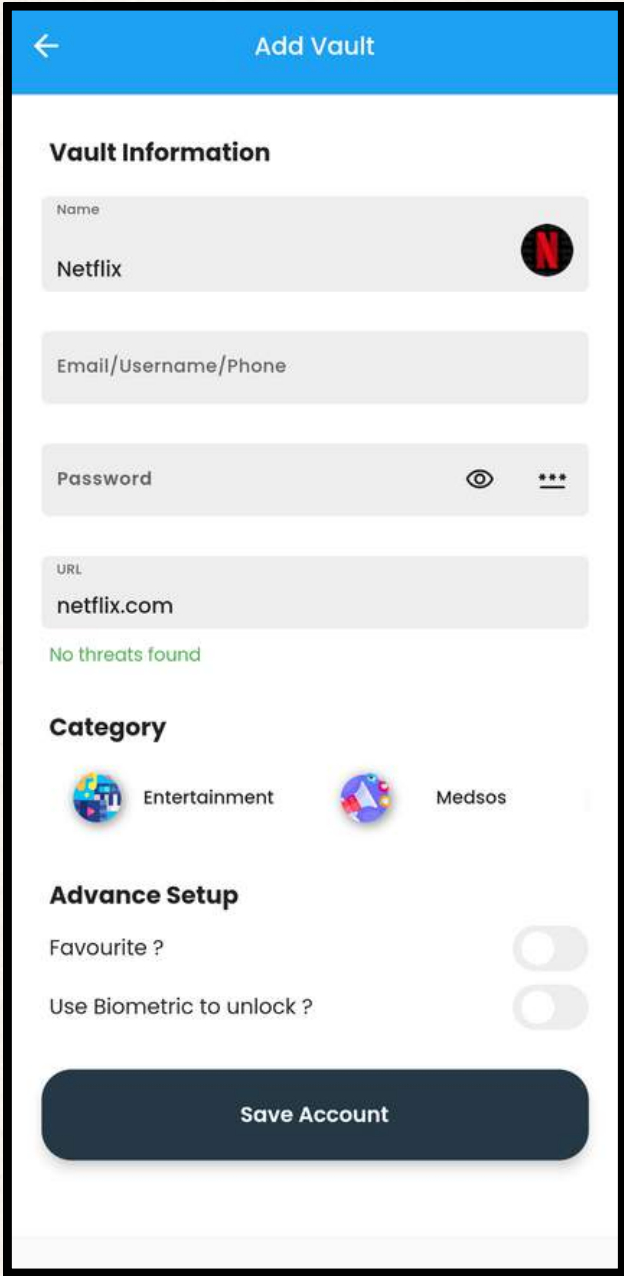
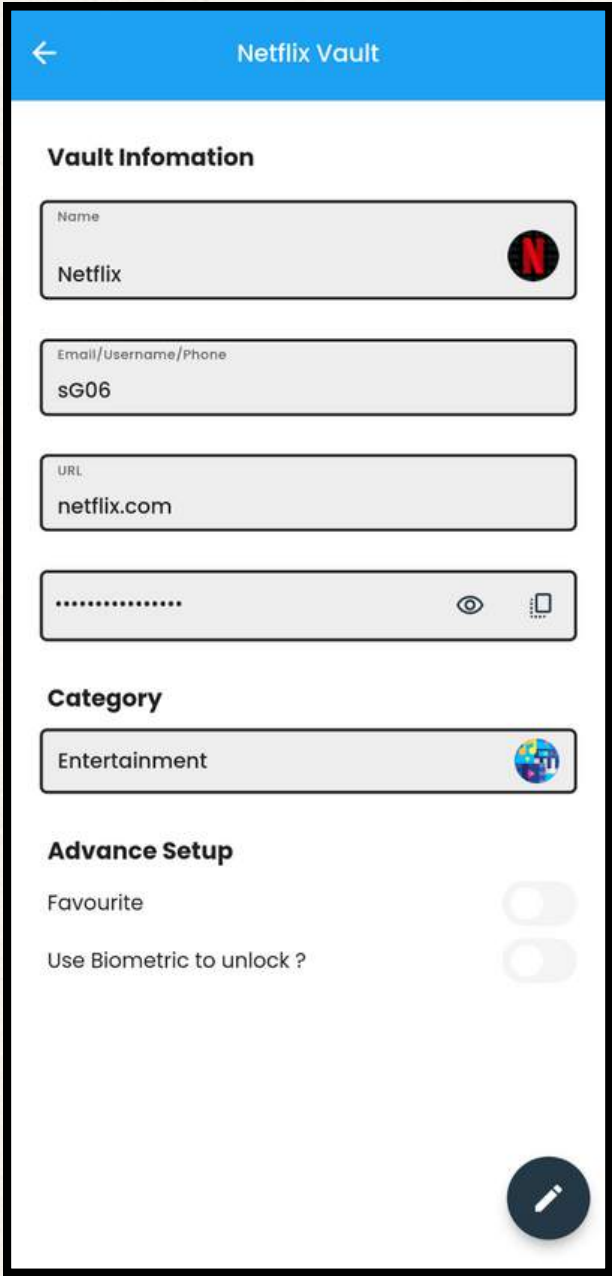
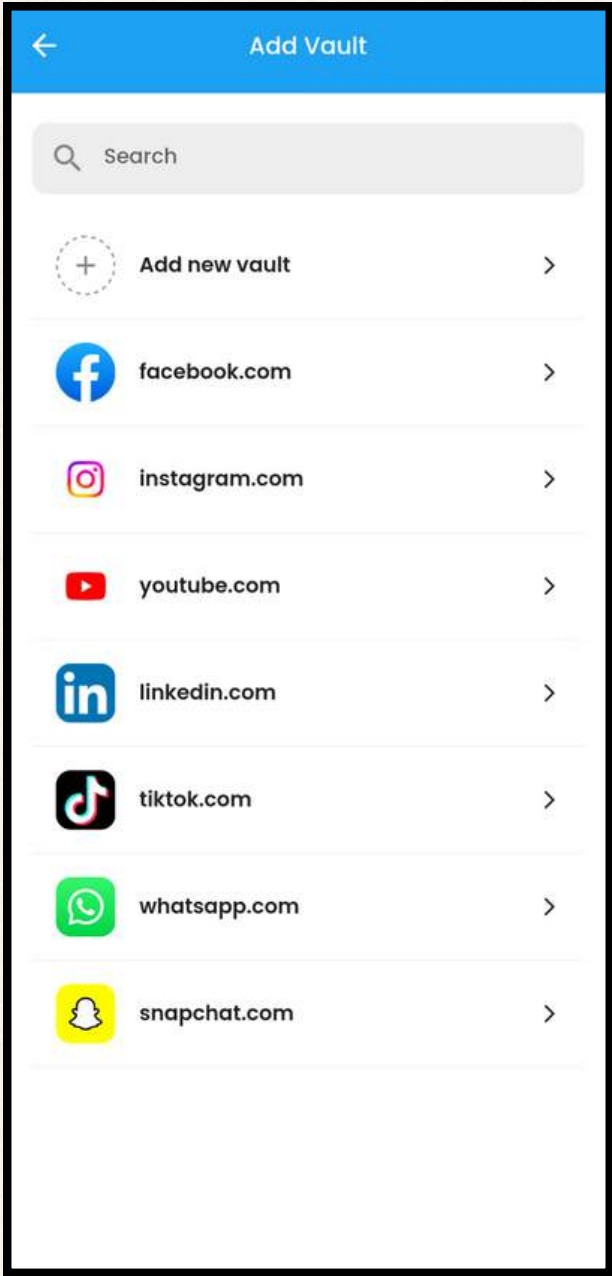
App Snapshots



App Snapshots



App Snapshots



Contact us



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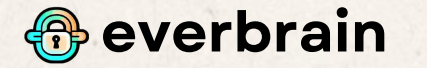
Address UMPSA, Pekan, Pahang

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Phone 011-16567450

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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.





THANK YOU