

PROJECT PRESENTATION

# CYFER

2025

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# CYFER PROJECT

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Our content today is divided into five parts. Each part will be described with examples.

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# Motivation

Many people struggle to manage their passwords, often reusing weak ones for convenience, which increases the risk of hacking. Despite alternatives like biometrics, passwords remain the most common login method. CYFER was created to offer a simple, secure, and user-friendly way to manage passwords—especially for those who aren't tech-savvy.

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# Top requirements

Most users wanted CYFER's design to be simple, clean, and easy to navigate. They preferred minimal layouts with clear icons, quick access to saved passwords, and visible biometric login options. This feedback showed that a user-friendly, clutter-free interface is essential—especially for non-technical users.

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# Design

CYFER is a clean, simple, and user-friendly app, even for non-tech-savvy users. It features a modern, minimal design with clearly labeled sections like "Vault," "Password Generator," and "Settings." The login screen supports biometrics and a master password. Users can easily search, add, or edit passwords, and generate strong ones with customizable options. The interface feels secure and professional without being overwhelming, reflecting real user feedback.

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# P.R.O.J.E.C.T



## PROTOTYPE BUILDING



# Description

CYFER is a modern, secure, and user-friendly password manager designed to address these needs by providing encrypted vaults, intuitive interfaces, and seamless synchronization across devices, ensuring that users can store, manage, and retrieve their credentials safely and efficiently.



## PROTOTYPE OBJECTIVE

The CYFER prototype is developed using Flutter, with Figma wireframes for visual design. The prototype includes essential screens like login, password vault, add/view password, password generator, and settings.

# PROTOTYPE DESIGN

The image displays three screens of a mobile application prototype for a password vault named CYFER.

**iPhone Login Screen:** Shows a placeholder profile picture and the text "Welcome Back! Please log in to continue". It includes fields for "Username" and "Password", both with placeholder text "Enter your username" and "Enter your password". Below these is a "Biometrics Login" button. At the bottom are "Log In", "Forgot Password?", and "Sign Up" buttons.

**CYFER Home Screen:** Displays the user "John Doe" with the message "Passwords are SECURED!". It features tabs for "Vault" and "Categories". Under "Popular Passwords", there are two entries: "Bank Account" (Secure, logo: blue square with white lines) and "Email Account" (Secure, logo: red, yellow, and green 'M'). Under "Recent Access", there are entries for "Social Media" (Updated 2 days ago) and "Work Email" (Updated 1 week ago). Buttons for "Generate New Password", "Import Passwords", and "Security Status" (4 stored passwords, 5 security checks, +1 since last week) are also present.

**CYFER Vault Screen:** Shows the user "John Doe" and "Your Secure Vault". It includes a search bar and categories for "Social Media", "Banking", "Email", and "Shopping". A note says "Choose a category to filter your passwords". Under "Saved Passwords", it lists four entries: Facebook (Social Media, Password: \*\*\*\*\*), Chase (Banking, Password: \*\*\*\*\*), Gmail (Email, Password: \*\*\*\*\*), and Amazon (Shopping, Password: \*\*\*\*\*). At the bottom are "Delete" and "Add New Password" buttons.

# PROTOTYPE DESIGN

## < Password Generator

**Desired Password Length**

Choose between 8 to 24 characters.

**Include Symbols?**

Yes  No

Enhances password security.

**Include Numbers?**

Yes  No

**Include Uppercase Letters?**

Yes  No

**Clear Fields**

**Generate Password**

**Generated Password**

## < Import Passwords

**Manual Entry**

Manually import password.

**Website/Application**

**Clear**

**Import**

**Import From:**

File  Token  Manual Entry

Choose how you want to import your passwords.

**Upload File**

Supported formats: .csv, .txt

**Cancel** **Upload**

**Token ID**

Import from other accounts.

**Clear**

**Import**

**Imported Passwords** [Review Passwords >](#)

Icon	Website	Username	.....
riotgames.com	account.riotgames.com	User: ab**e1*3	.....
twitch.tv	twitch.tv	User: ab**e*2*3@**ai*1.c*m	.....

## < Settings

**Your Account**

Manage your password settings

**Biometric Settings**

Unlock with your biometrics

Setting	Status
Face ID	Enabled
Fingerprint	Enabled
Disable Biometrics	Not Set

**Default Settings**

Your default preferences

Setting	Status
Auto-fill Passwords	Enabled
Notifications	Enabled
Session Timeout	15 Minutes

**Reset to Default** **Save Changes**

# PROTOTYPE DESIGN

## MINIMALISTIC

The prototype is designed to be simple and easy on the eyes. It will be evaluated properly using Heuristics Evaluation.

## FONT

The font used in this prototype is Roboto. This makes texts clear and easy to read

## NAVIGATION

The Navigation of this prototype is geared towards easy familiarization and memorization. This will be evaluated properly using Heuristics Evaluation.

## FIGMA

This prototype is designed in FIGMA. This enables the team to provide participants a copy that they themselves can interact with to avoid biased evaluation.

# Evaluation

We asked users to assess CYFER’s layout, icons, and overall design. Most found it clean, simple, and easy to understand. They liked the organized home screen and clear labels for sections like “Vault” and “Password Generator.” Some noted minor issues, like unclear edit icons and small buttons on mobile. Overall, the UI felt safe and easy to navigate, though small tweaks could improve usability.

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# Conclusion

With more time, we'd refine CYFER's UI/UX through further user testing to identify confusing areas. Improvements would include clearer icons with labels or tooltips, better visual feedback like animations or confirmations, and theme customization (e.g., light/dark mode). We'd also add a short onboarding tutorial to guide new users. These updates would make the app more polished, responsive, and user-friendly.

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