Team 4

Passmate
Offline-first Password Manager

A password manager for everyone

colombalink @ BASEL HACK

Problem

86% of people use passwords that are leaked

158 accounts hacked every second

Compromised passwords cost SMBs $0.3M per Attack

Solution

The only offline-first cloud password manager

Offline sync using multiple devices

Master login without a password

Demo

PASSWORD MATE

Architecture

Backup keys natively with Git and YubiKey

Novelty/Benefits

Manage all their passwords in not just one offline device but multiple

Multiple devices sync data with encryption by default (end-to-end encryption)

No complex setup for a cloud environment. Can connect to Github or Gitlab.

Significance

User privacy and right to own and know where data is stored and used

Cyberattacks on critical cloud services or ISP

Bring power back to our users to build decentralized applications. For your mother, CEO, and the hackers here

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Competitive Landscape

	1Password	DashLane	Bitwarden	Keepass	Passmate
Multiple Account Management	✓	✓	✓	✓	✗
End-to-end Encryption	✓	✓	✓	✓	✓
Browser Compatible	✓	✓*	✓	✗	✓
Fine-grained merging	✗	✗	✗	✗	✓
Offline-first Cloud Solutions	✗	✗	✗	✗	✓

Learnings

Technical:
- connecting Yubico YubiKey/PGP encryption
- defining UI usecases for the frontend
- defining an UI linking to the Rust backend
- balancing backend work with frontend
- first time using the tauri framework

Non-technical:
- investigation of existing password managers
- prioritize the features which will fit into time
- design more complex than anticipated

Team

Left => Right

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Questions?

Thank you BASEL HACK
for organizing this event