ZEROP**A**SS

Click and go!
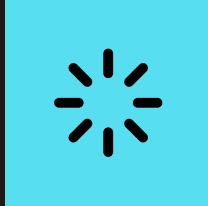
By ZeroChain

OUTLINE

/ ISSUES

/ WHY

/ HOW

/ WHAT

/ VISION

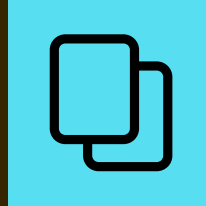# **I** S S U E S

Have you ever encounter frustrating scenarios when renting a car or getting insurance?

Long waiting times for approvals or document verification

The need to repeatedly upload the same documents to different platforms

Concerns about privacy and security when sharing personal information

W H Y ?

In some MaaS（Mobility as a Service, "出行服務"）have long struggled with inefficiencies, and privacy concerns.
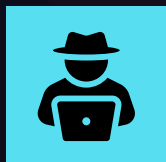
Such like Car Rental

Long waiting times for approvals or document verification can lead to:

- Delayed travel plans or work schedules
- Frustration and impatience with the process

The need to repeatedly upload the same documents to different platforms can result in:

- Deincreased time and effort required to complete the process
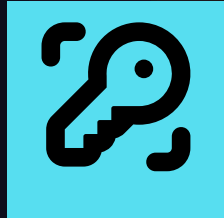- Confusion or errors in document versions or formats

Concerns about privacy and security when sharing personal information can cause:

- Anxiety and fear of identity theft or fraud
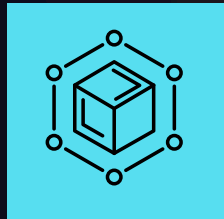- Hesitation or reluctance to provide necessary information

H O W ?

Using both Zero-Knowledge Proofs and Blockchain Technology to solve above problems.

Zero-knowledge proof encryption can help solve privacy and security concerns by:
- Eliminating the need for customers to repeatedly upload the same documents to different platforms
- Allowing for verification of identity without the need for transmitting personal information
- Increasing trust in the process, as customers can feel more secure in their data privacy

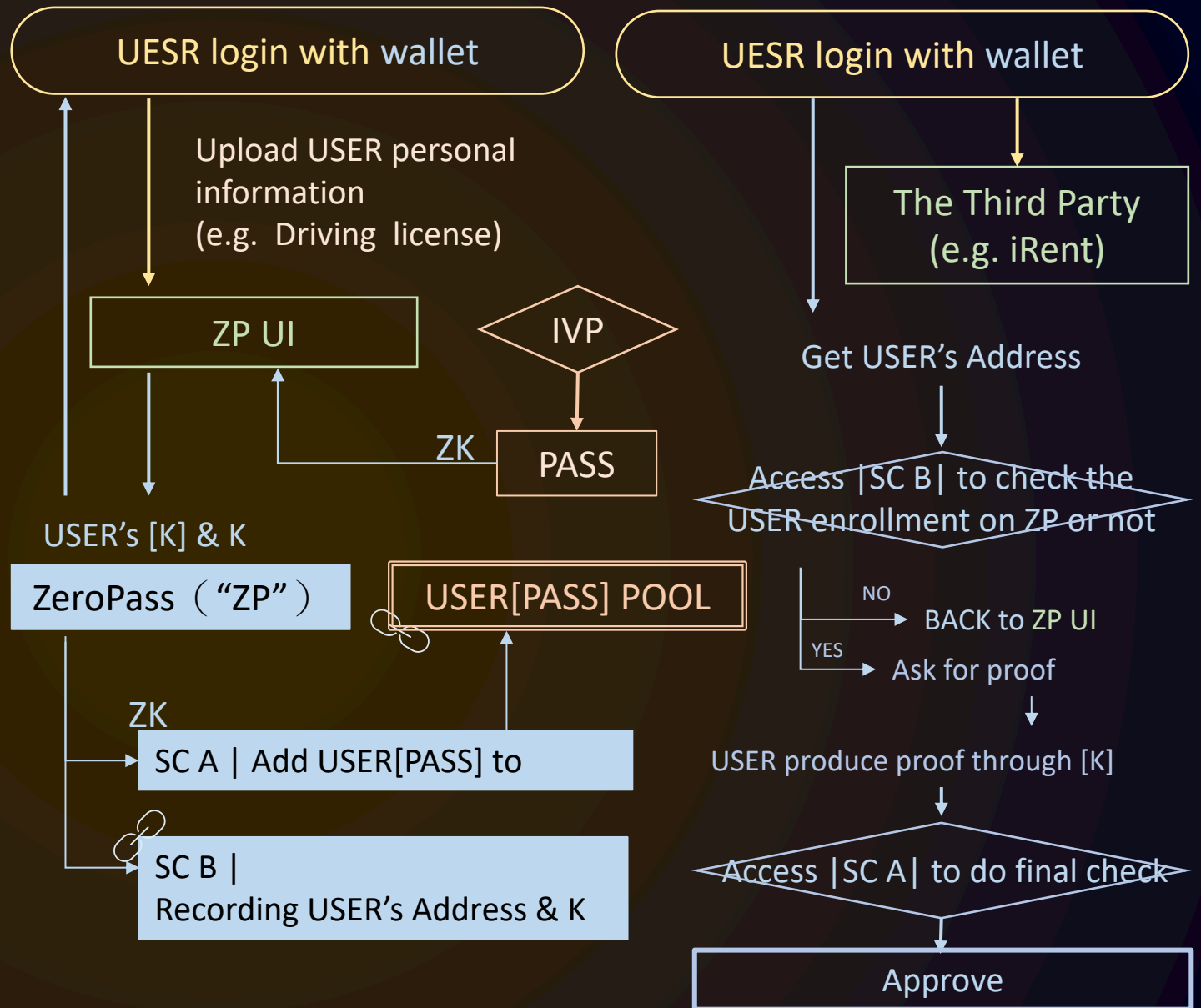Blockchain technology can address the pain points of car rental and insurance activities by:
- Lowering the cost of storing large amounts of data for businesses
- Providing a decentralized solution to cybersecurity concerns

W H A T ?

A system that securely records and checks user identity information, providing a reliable and convenient way for businesses to confirm the identity of their customers.

Deal with

— USER behavior
— Tech flow:
   [K] private key ; K Public key
   "SC" smart contract
   "ZK" Zero-knowledge Proof
— Service
— "IVP" identity verification process

UESR login with wallet

UESR login with wallet

Upload USER personal information (e.g. Driving license)

ZP UI

IVP

ZK

PASS

USER's [K] & K

ZeroPass（"ZP"）

USER[PASS] POOL

ZK

SC A | Add USER[PASS] to

SC B |
Recording USER's Address & K

The Third Party (e.g. iRent)

Get USER's Address

Access |SC B| to check the USER enrollment on ZP or not

NO → BACK to ZP UI

YES → Ask for proof

USER produce proof through [K]

Access |SC A| to do final check

Approve

Conclusion: Through the use of SC A and ZK technology, we can verify whether the credentials provided by the user match those in the USER[PASS] pool
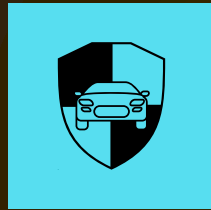
VISION

Our goal is to extend our service to various industries, including:

Car Dealerships
Our service eliminates the need for manual driver's license verification during the customer test-drive process, saving time and enhancing the customer experience.

Insurance companies
Our service provides users' driving records and behaviors to enhance the accuracy of insurance risk assessments and streamline claims processing.

Delivery Platforms
Our service helps platform manage employee information and accelerate the employee verification process, leading to better hiring decisions and improved overall operations.

ZEROP**A**SS

GENERIC
EFFICIENT
SAFE

E N D