

Digital Wallet



Leonardo Hackathon Winner



Winning Criteria for



Use Case Hackathon



Creativity

The submissions were judged based on the idea and use cases for the proposal.



Business Value

The proposal should be useful so that it can be aligned with wide range of SAP products.

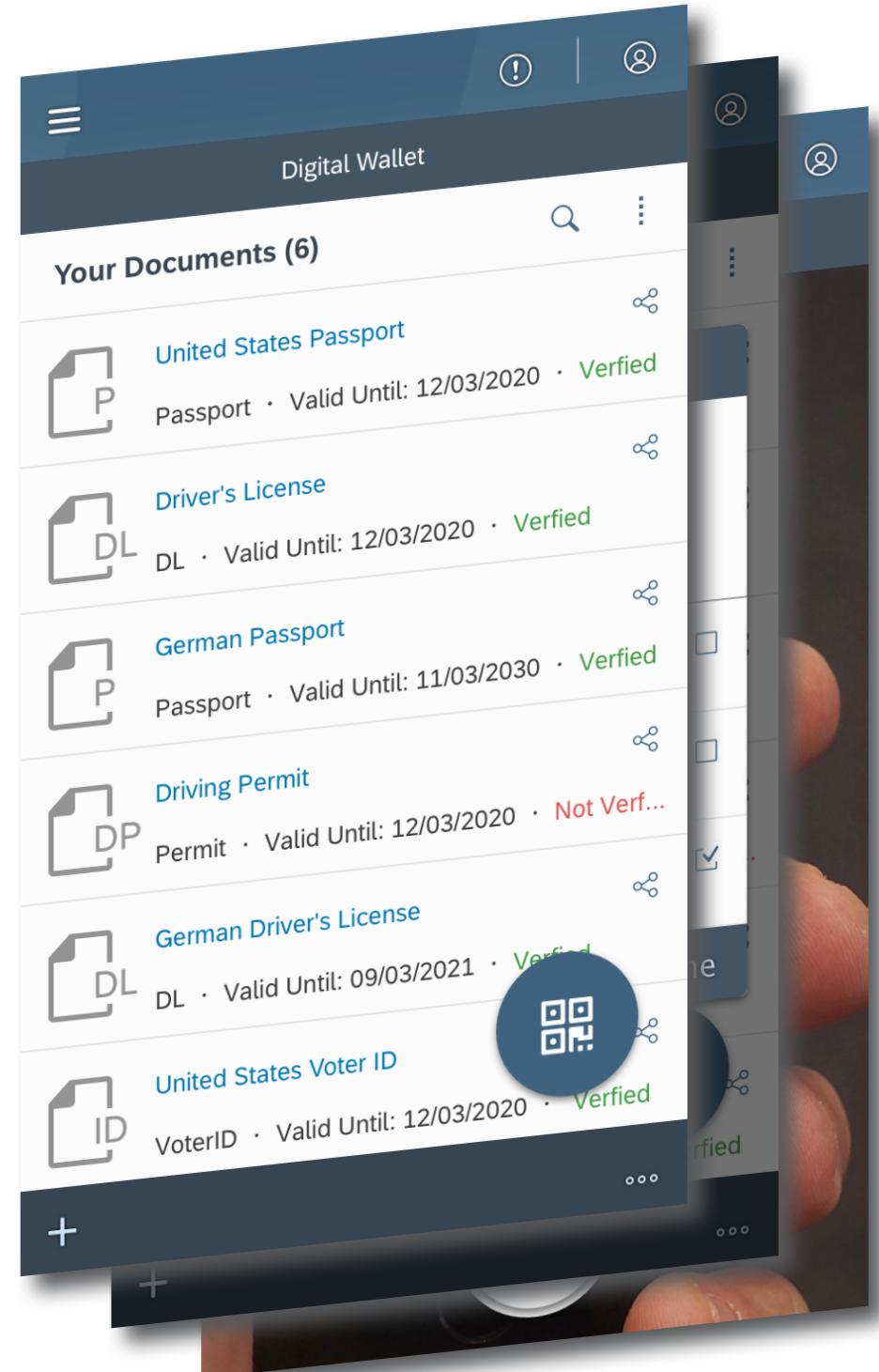


Feasible

The proposed idea should be practical and atleast partially implemented for Demo.

PROCESS

- ① Asking Questions
- ② Addressing Problems
- 🔍 Research
- 📝 White Boarding
- 👤 Use Case for Demo
- 🖍 Sketching
- 📱 Prototyping
- ↔ Development
- 👍 Presentation



PROBLEMS

Based on addressed questions

- 1) How do we revoke wrong information?
(Kettenbruk?)
- 2) How do we prevent wrong information from entering the system?
- 3) What happens if you lose access?
- 4) How would citizens initiate a Blockchain hashed document?
- 5) What if no internet/Cloud access?
- 6) Moving to different system (geographical/online/governments).
- 7) (Encryptions) Privacy Concerns?
- 8) One time access?
- 9) Split documents based on need-to-know.
- * 10) Update documents.
- 11) Machines/Decentralized Blockchain?

Adaptations

People are not very sure about using and moving on to the online official documents.

Accessibility

The other concern arised was the 24*7 availability of the documents/IDs and ease of access across the world even without internet.

Scalability

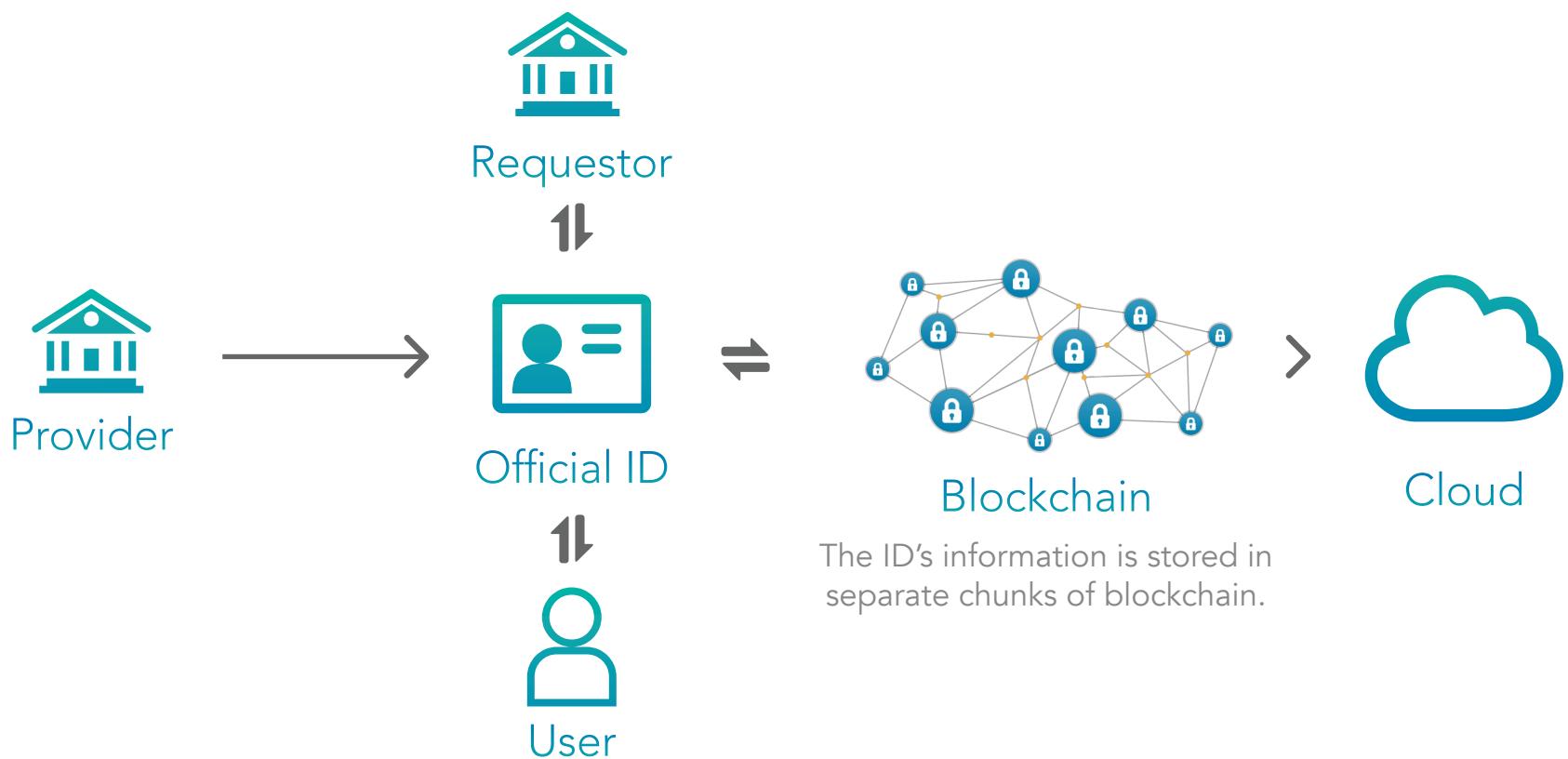
Scalability is one of the most severe problem since this would cost extra efforts for government organizations to process and validate official IDs.

Security

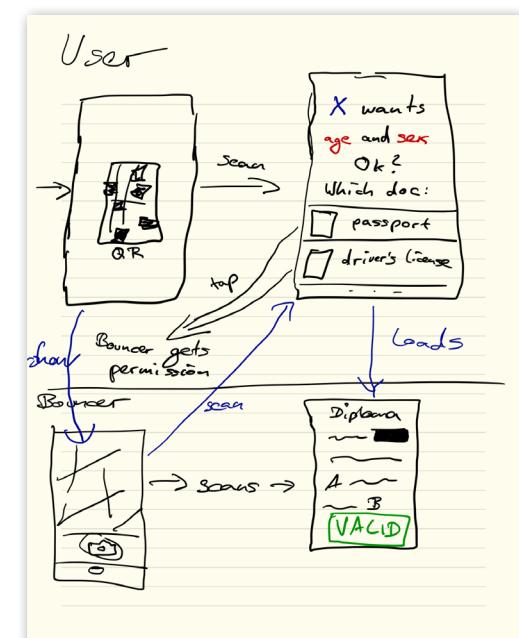
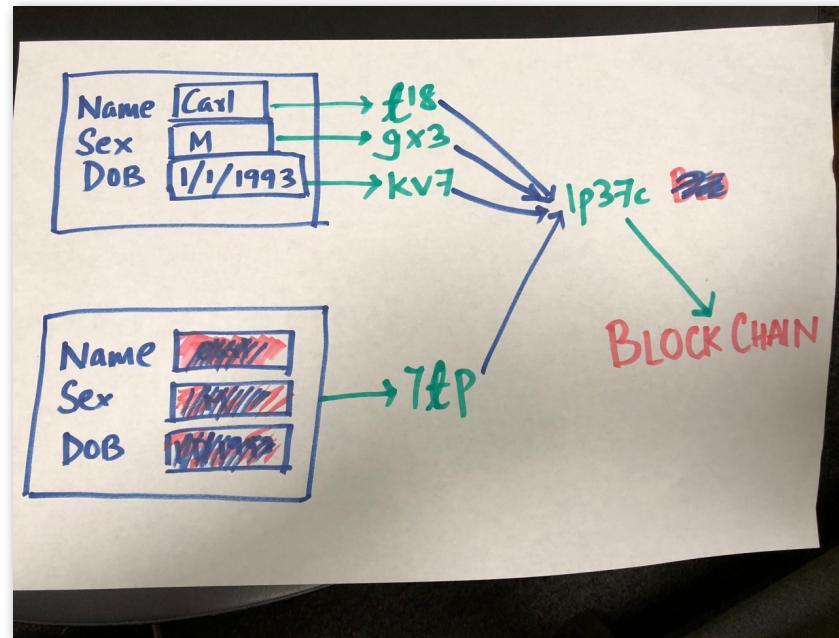
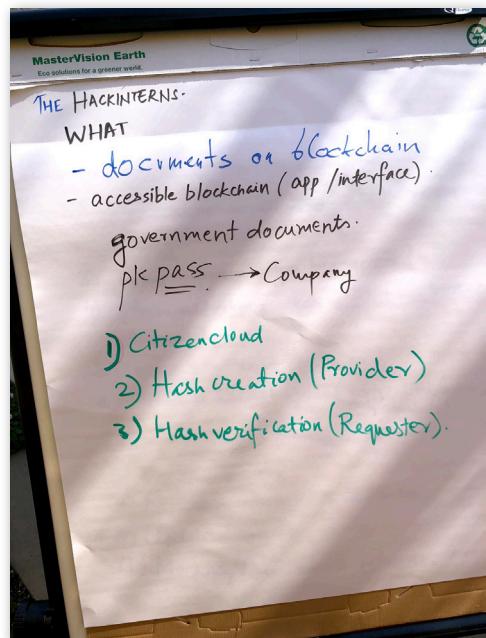
Recently, the online data/information leak news is so common and that's the main reason why people are skeptical about moving to online IDs/documents.

SOLUTION

Storing Documents on Blockchain



IDEATION & SKETCHES



PROTOTYPE

based on an user scenario

Watch Video Demo!



Meet John

John wants to rent a car from ABC Rentals, but to do that he needs to share his Driver License Information. To do so,

Step 1: John provides his unique QR code to ABC's employee.

Step 4: John is suggested with the available documents to provide the requested info.

The screenshots illustrate the digital wallet and document sharing process:

- Screenshot 1 (Digital Wallet):** Shows John's documents: United States Passport (Valid Until: 12/03/2020, Verified), Driver's License (Valid Until: 12/03/2020, Verified), German Passport (Valid Until: 11/03/2030, Verified), Driving Permit (Valid Until: 12/03/2020, Not Verified), German Driver's License (Valid Until: 09/03/2021, Verified), and United States Voter ID (Valid Until: 12/03/2020, Verified). A circular button at the bottom right allows sharing via QR code.
- Screenshot 2 (QR Code):** A large QR code is displayed with the instruction: "Please Scan the QR Code to request documents".
- Screenshot 3 (Digital Wallet):** Shows a "Document Request" from "TSA Organization" for photo ID, age, and sex. It lists the same documents as in Screenshot 1. The "US Driver's License" checkbox is selected. Buttons for "Send" and "Decline" are present.



ABC Rentals

Step 2: The employee scans John's QR code.

Step 3: The ABC's employee then sends a request for information like Photo ID, Name, and Age to John.

Step 5: The ABC's employee gets the info from John along with a redacted Photo ID.

The screenshots illustrate the document sharing process from the ABC Rentals side:

- Screenshot 1 (Digital Wallet):** Shows the same list of documents as in the first screenshot, with the "US Driver's License" checkbox selected.
- Screenshot 2 (QR Code Scanner):** A QR code is displayed with the instruction: "Please Scan the QR Code to request documents". A green box highlights the QR code area.
- Screenshot 3 (Shared Document):** Shows a shared document from "User, Alexander Joseph has shared a Document!". It displays a redacted California Driver License (DL #1234562) for "ALEXANDER JOSEPH". Below it, "Provided User's Information:" includes fields for Name (Alexander Joseph), Age (41), Photo ID (Yes), Sex (Male), and Document Type (Driver's License (DL)).

THANK YOU

Team:

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