March - April 2021

# YourCompanY

for

# HACKATHON_21

# Team

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# Challenge

## G2C

## *COVID PASSPORT*

# Agenda

- Analysis of the use case
- Used technologies
- Our achitecture
- The application

# Analysis of the use case

## WHAT SHOULDN’T HAPPEN?

# Analysis of the use case

## KEY POINTS

- **FLEXIBILITY**
  **ADAPTABILITY**
- SAFETY & PRIVACY
- ECONOMY
- RELIABILITY
- TRANSPARENCY

**Information on the covid is constantly becoming... the technology will have to adapt**

# Analysis of the use case

## KEY POINTS

- FLEXIBILITY
  ADAPTABILITY
- **SAFETY & PRIVACY**
- ECONOMY
- RELIABILITY
- TRANSPARENCY

**People have to trust… the DB**

**must be safe…**

**People’s privacy is a priority!**

# Analysis of the use case

## KEY POINTS

- FLEXIBILITY ADAPTABILITY
- SAFETY & PRIVACY
- **ECONOMY**
- RELIABILITY
- TRANSPARENCY

**It doesn't have to cost the administration much**

# Analysis of the use case

## KEY POINTS

- FLEXIBILITY
  ADAPTABILITY
- SAFETY & PRIVACY
- ECONOMY
- **RELIABILITY**
- TRANSPARENCY

**The system must be scalable**

**and reliable**

# Analysis of the use case

## KEY POINTS

- FLEXIBILITY
  ADAPTABILITY
- SAFETY & PRIVACY
- ECONOMY
- RELIABILITY
- **TRANSPARENCY**

**The system must be transparent**

**Each person must be able to verify the information**

# Used technologies

# Used technologies


- Possibility to ***freeze account***
- Possibility to ***revoke asset***
- Integrated ***smart contracts***

# Used technologies

## HOW WE USE ALGORAND'S ASA AND BLOCKCHAIN?


each

*institution that injects vax*

HAS

1

*Algorand wallet*

CREATE

**1 ASSET FOR EACH VAX TYPE**

- *AstraZeneca Asset*
- *Pfizer Asset*
- *Moderna Asset*
- *J&J Asset*

# Used technologies

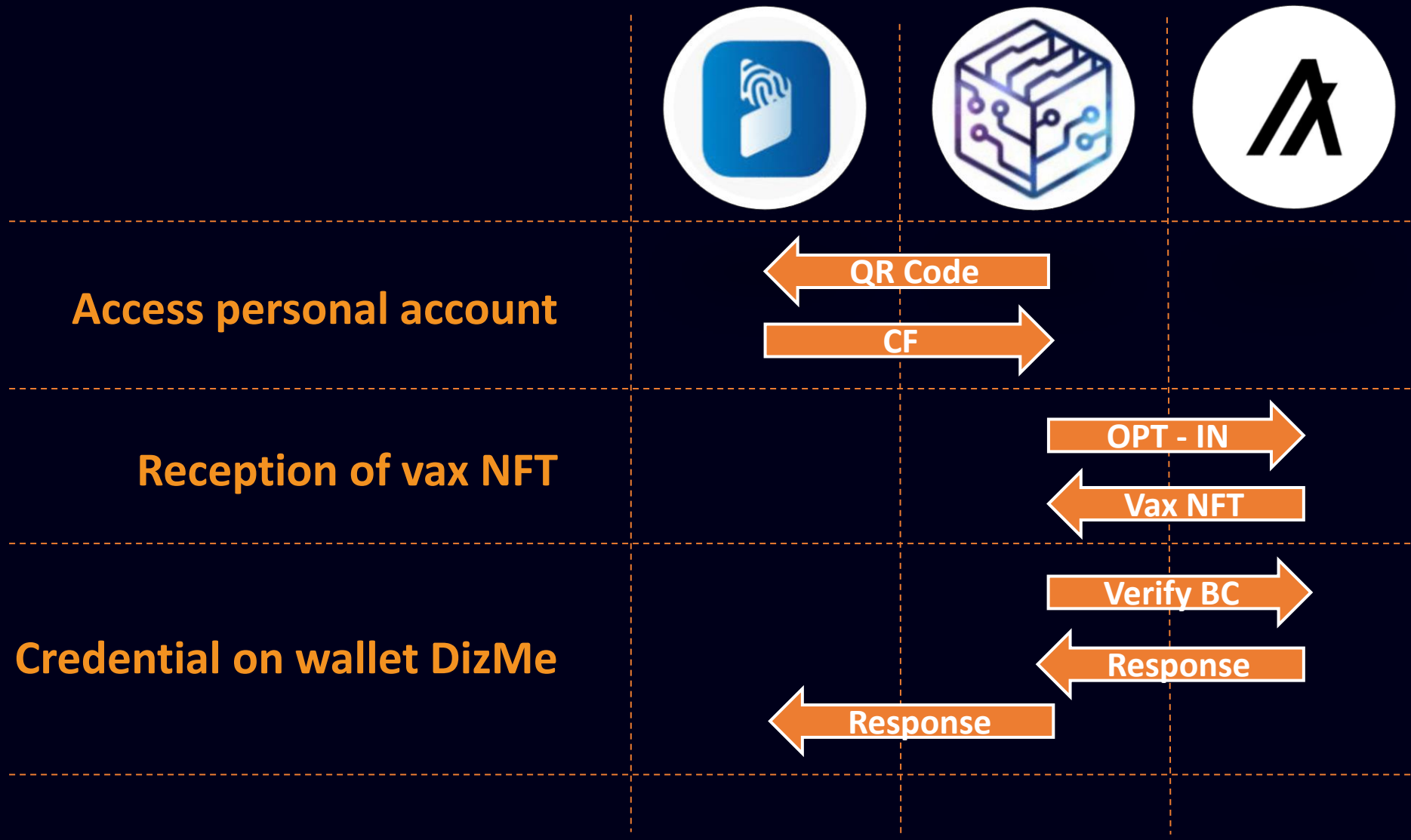
## HOW WE USE ALGORAND'S ASA AND BLOCKCHAIN?

**1 ASSET UNIT = 1**

*Real VAX UNIT*

# Our achitecture

# Our achitecture



# The application


- Uses InfoCert for the Authentication
  - The identity has to be certain


- Uses Algorand's…
  - blockchain as DB
  - ASA as digital vax certification


- Uses DizMe to relase the passport

# The application

DEMO