COVID SmartCard

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Long-term Challenge

In 2 years time…

There will be an easy way to identify that a person has been vaccinated and that the vaccine card is theirs without having a state-issued ID.

Sprint Question

Can we design a new vaccination card that does not require secondary identification?

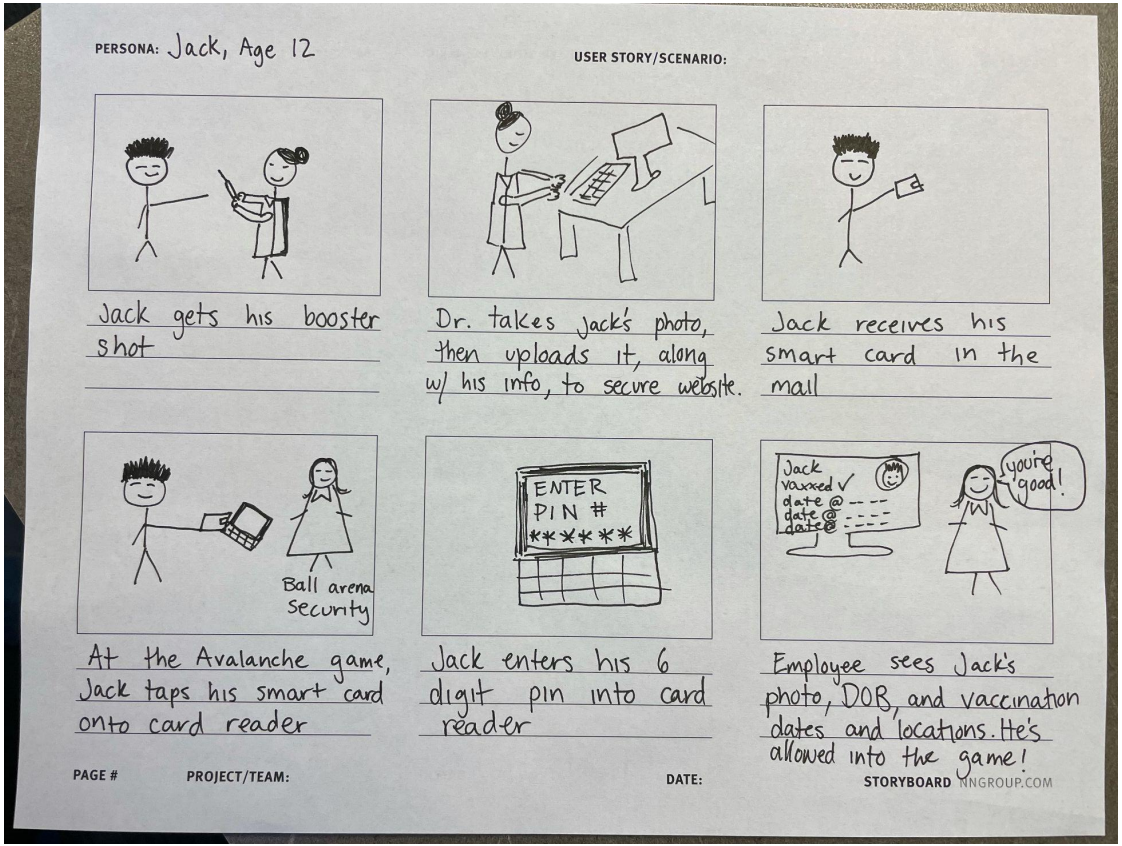
Sprint Solution

Simplistic vaccination card that verifies a user's vaccination status using the least amount of data possible. This allows people who do not have ID's (i.e. driver's licenses) to prove their vaccination status.

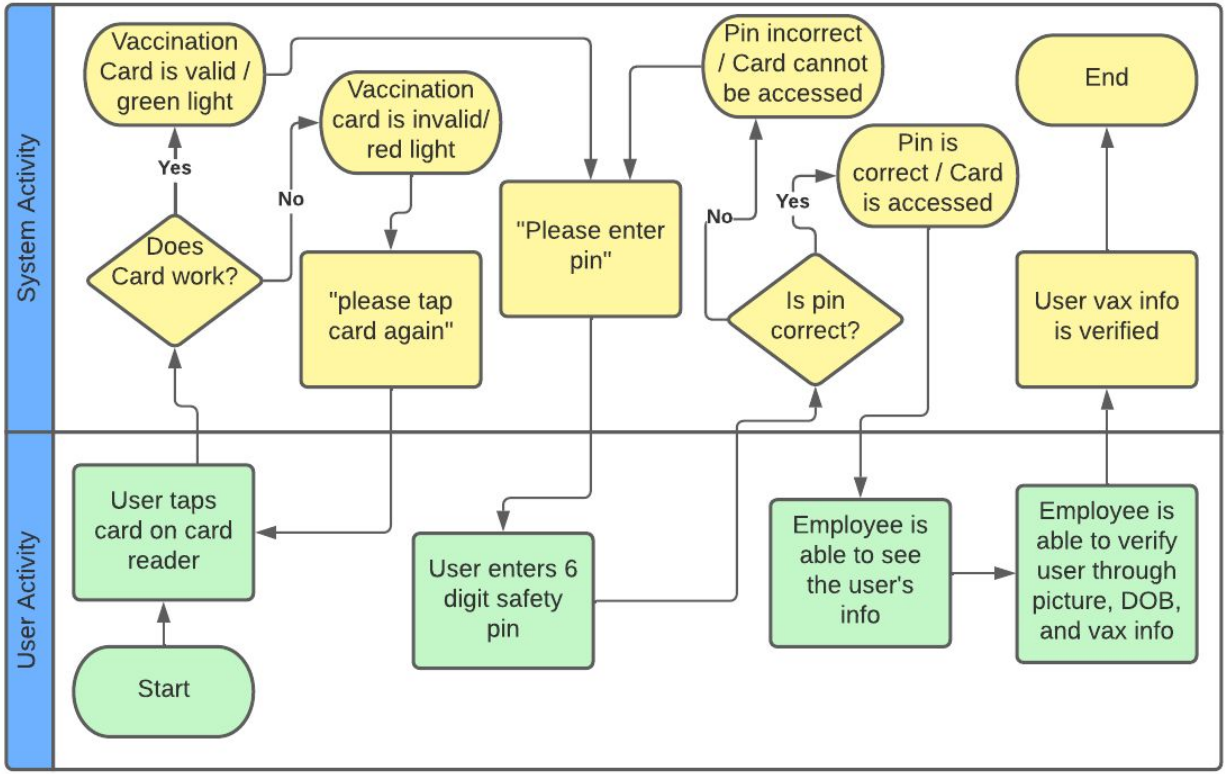
User Scenario

Jack is a 12-year-old boy from Denver, Colorado, and a huge Colorado Avalanche fan. He is about to get his booster shot and he wants to go to the Avalanche game in 2 weeks! He will need proof of vaccination to get admitted into Ball Arena. Jack's mother does not want her tween son carrying any documents with her personal information displayed on them because he is irresponsible and could drop or lose them. Jack is heading into the game without his mother, so she will not be able to carry his identification or vaccination proof. Jack needs a secure way to prove vaccination status and identity so that if he were to lose the token of proof, no one else could use it or have access to his personal information.

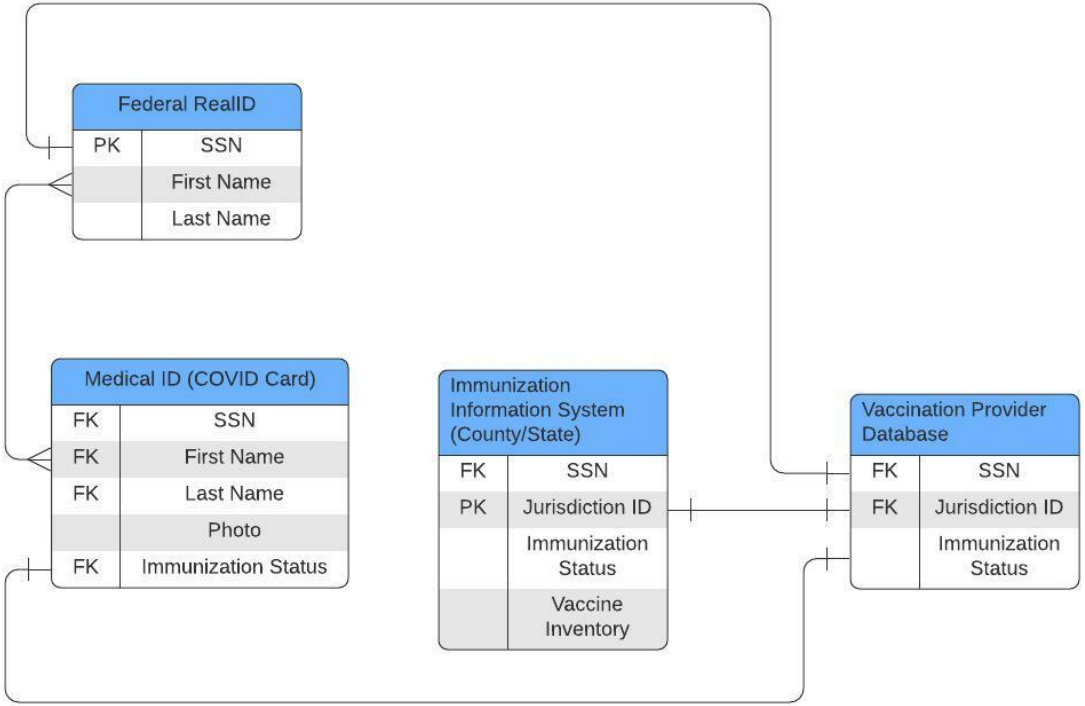
Storyboard


PERSONA: Jack, Age 12
USER STORY/SCENARIO:
Jack gets his booster shot
Dr. takes Jack's photo, then uploads it, along w/ his info, to secure website.
Jack receives his smart card in the mail
Ball arena Security
At the Avalanche game, Jack taps his smart card onto card reader
ENTER PIN # ******
Jack enters his 6 digit pin into card reader
Jack vaxxed ✓ date @ date @ date @
you're good!
Employee sees Jack's photo, DOB, and vaccination dates and locations. He's allowed into the game!
PAGE #
PROJECT/TEAM:
DATE:
STORYBOARD THNGROUP.COM

Workflow Diagram



Data Model


Federal RealID
PK
SSN
First Name
Last Name
Medical ID (COVID Card)
FK
SSN
FK
First Name
FK
Last Name
Photo
FK
Immunization Status
Immunization Information System (County/State)
FK
SSN
PK
Jurisdiction ID
Immunization Status
Vaccine Inventory
Vaccination Provider Database
FK
SSN
FK
Jurisdiction ID
Immunization Status


CDC
JACK M. DOE
This card is the property of the CDC
AUTHORIZED SIGNATURE – NOT V
This card must be carried at all times and presented to businesses and officials upon request.
Use or signing this card signifies agreement to the current conditions set forth by the U.S. Center for Disease Control
This card is the property of the Center for Disease Control and is non-tranferable.
If found, please return this card to the nearest Department of Motor Vehicles
Have general questions about COVID-19 or the COVID-19 vaccine?
Visit the CDC COVID-19 website or call 1-800-CDC-INFO (1-800-232-4636).
CDC

Reasoning Behind the Design

- Minimal information protects user data; only mandatory information
- Insert/tap feature
  - Employees don't have to touch card to verify vaccination
  - Efficient
- ICC and embedded NFC chips hold user information such as name, photo, vaccines, date of birth, etc.
- Personal pin number locks information that is embedded in the card

Thanks!

Any questions?