

Team Information

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Supply Chain is the movement of



Information



Product



Funds

Blockchain



A continuous updated record of who holds what



A shared single source of truth

Do we need Blockchain?

Can a traditional database technology meet our demand?

Should more than one participant be able to update the data?

Do all the updaters trust each other?

Would all the participants trust the third party?

Do we need to keep the data private?

Problem & solution

- Drug traceability
- Ensure Vaccine Integrity (Tamper-proof, Contamination, Theft)
- Authorization power (no other can block, change without access)
- > Transportation (temperature controlled)
- ➤ A need of trust and security (Transection of supplier, order, invoice and shipment)
- Prioritization & Allocation (scheduling)
- Syndicate, Bottleneck Overview, Expired Stock, Overstocking and Damaged stock
- > Fully transparent distribution process and safety.

Problem & solution

- > Feedback patient data management
- Vaccination training
- We can find that's is going on a particular age group, fixed location
- ➤ Give motivation to those who don't believe that vaccine works
- Quality expired vaccine use
- Over head cost less, no charge for transection(frictional cost less)
- > Prevent fraud and data theft
- > Future improvement research
- Preparation for next pandemic

Market & Partners

Vaccine distribution contract



Shot term:
Our potential buyer is our government

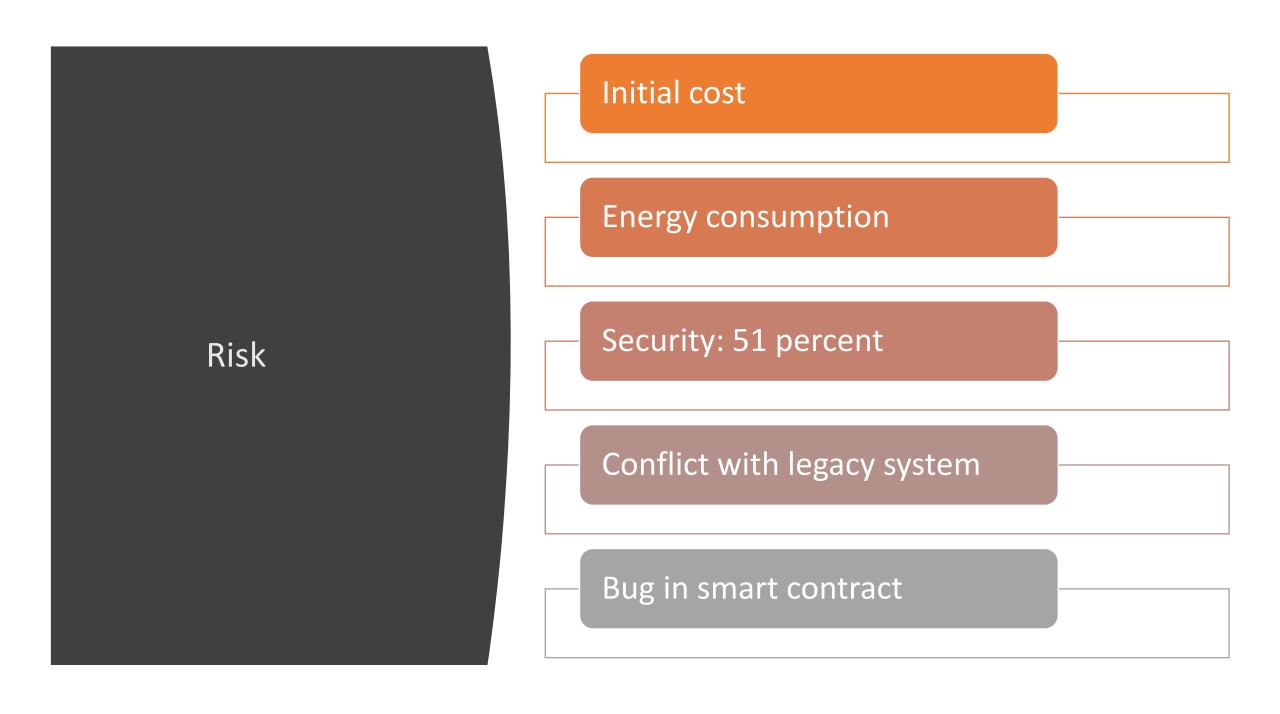


Long term: Vaccine Manufacturer

Competitor

Big pharmaceutical company

IT Firm





Invention of Vaccine and Sent for mass Production

- Patent holders name
- Country
- Qualification

- Organization name
- Manufacturing Country
- Manufacturing And Expiring date of vaccine
- Batch no of each vaccine



2: Mass Production and sent for shipment

- Hand over date
- Shipping company name
- Date of hand over
- Packing temperature
- Quantity of vaccine

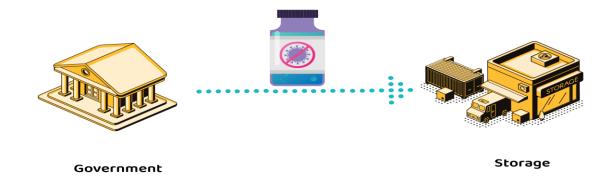
- Transportation date
- Vaccines temperature(continuously updated)
- Tentative delivery date



4: Handing over to the Government for Verification

- Delivery date
- Delivered Quantity Check
- Temperature check

- Accepting vaccine
- Checking Quantity
- Packing temperature
- Received date



5: Storing Vaccines under the supervision of the Government

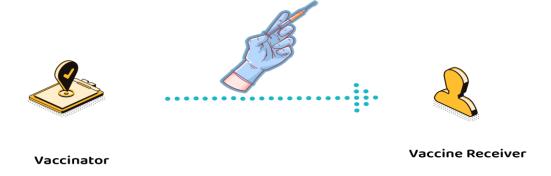
- Allocating Storage place
- Hand over date for storage

- Storing Date
- Shipping company name
- Date of hand over
- Packing temperature
- Quantity of vaccine



- Received date
- Vaccines Quantity
- Storing Temperature

- Received Date
- Received Quantity
- Temperature of vaccine



7: Push Vaccine

- Vaccinators Name
- Vaccinators Qualification
- Checking Vaccine receivers Priority.
- Name of vaccine receiver
- Date of vaccinating

- Name of Vaccine receiver
- Age
- Qualification
- Address
- NID no



8: Vaccine receiver's Feedback

 Submit feedback After Receiving(i.e feeling good or bad)

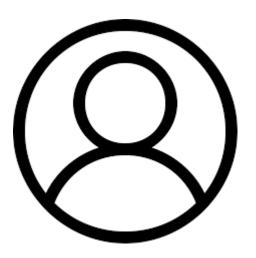
Governance



AUTHORITY

- Authentication of vaccine receiver and vaccine provider to enroll the system.
- Verification of the delivered vaccine and confirm the deal.
- Setting priority list of vaccine receiver according to their quota.(i.e Freedom Fighter)

Governance



Vaccine Receiver

• Giving authentic feedback on vaccination(i.e feeling bad or having any side effect)

Our Implementation

- ✓ Registration
- ✓ Inputting Vaccine Data
- ✓ Vaccination Handover
- ✓ Mass Production
- ✓ Send for Shipment
- ✓ Transportation temp update
- ✓ Vaccine Receiver & Provider Authentication
- ✓ Prioritization
- ✓ Vaccination Info
- ✓ Vaccination Process

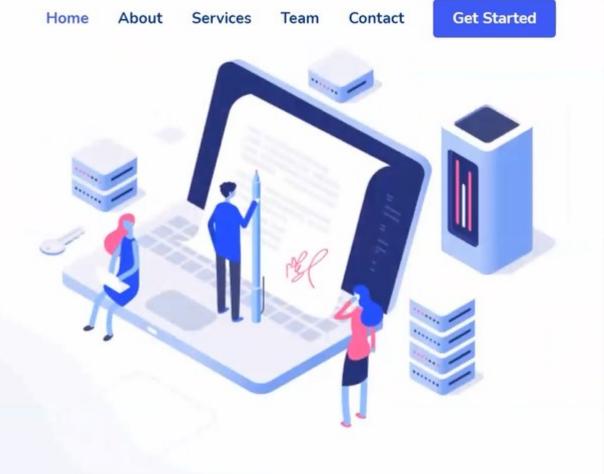
Prototype

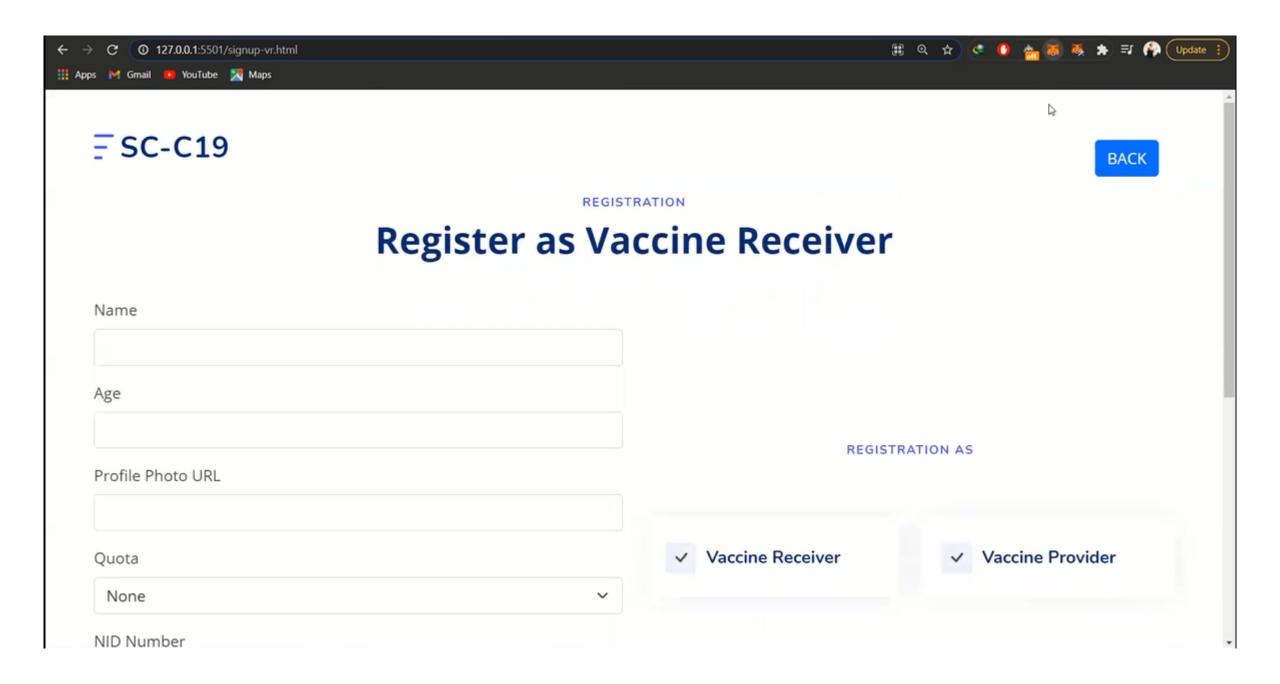


Covid-19 Distributed Vaccine Distribution System

Everything about the Covid Vaccine is Secure, distributed and Transparent

Get Started →











Set Vaccine

| accine Name | |
|--------------------------|--|
| Astrazeneca _I | |
| Oose Limit | |
| 2 | |
| emperature Sign | |
| Negative | |
| owest Temperature | |
| | |
| lighest Temperature | |



VACCINE HANDOVER



Handover

Manufacturer ID

0

Т

Vaccine ID

1

Confirm



VACCINE MANUFACTURER



Mass Production

| Vaccine Name | | |
|--------------|---|-----------------|
| Astrazeneca | | |
| Quantity | | |
| 2000 | | |
| Date | | |
| 25 | 2 | 20 ^I |
| Confirm | | 2021 |



VACCINE VENDOR



Condition Check

Temperature Sign

Negative

Temperature

75

Humidity

40

Check

= SC-C19

BACK

Name: Rahim

ID: 1434543413412

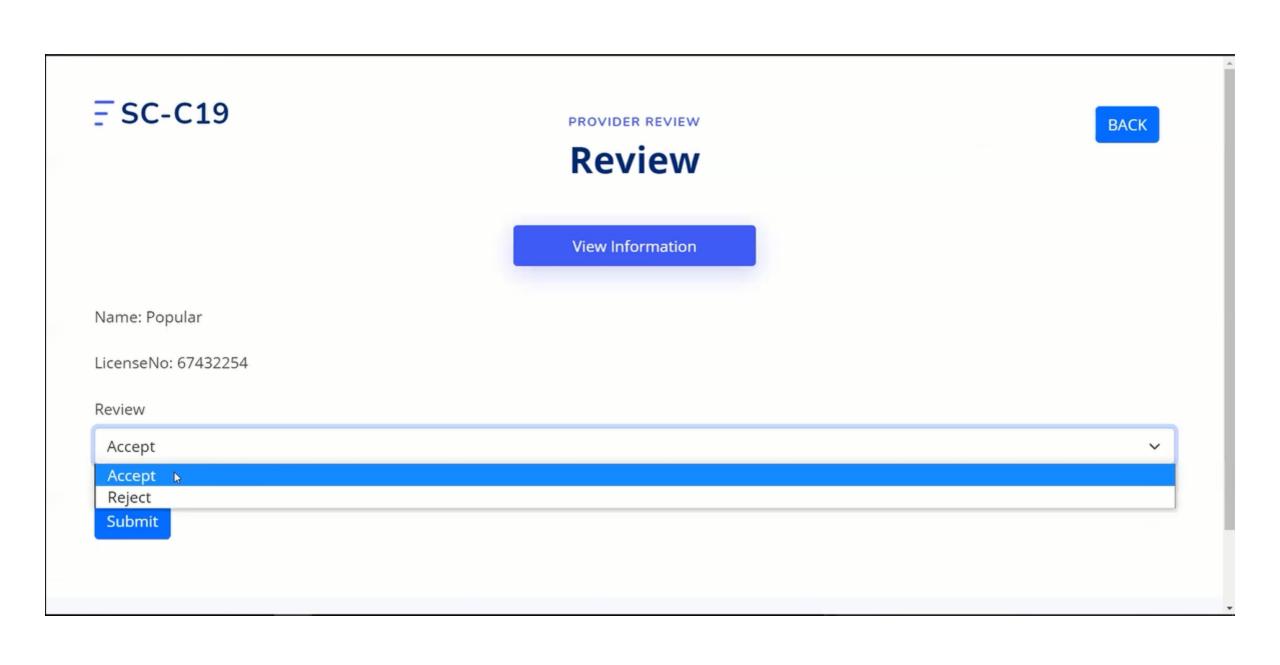
Quota: Elder age-60-up

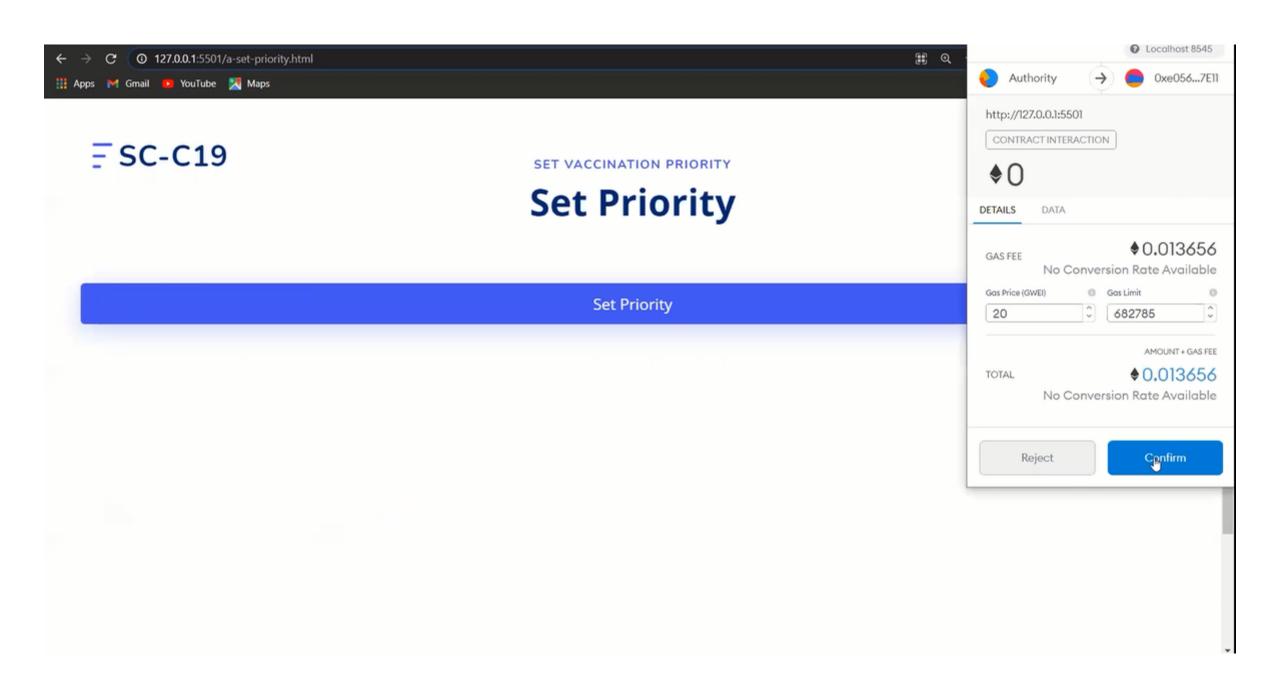
Review



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FSC-C19

VACCINE RECEIVER

Profile



View Profile

0



Name: Rahman

ID: 3



VACCINE RECIEVER FEEDBACK



Feedback after vaccination is completed.

| Vaccine ID | | | |
|---------------------|----------|--|---|
| | | | |
| Feedback | | | |
| Your Reaction | | | ~ |
| Your Reaction | | | |
| Not Satisfied | | | |
| Partially Satisfied | | | |
| Satisfied | | | |
| Highly Satisfied | | | |
| Extreamly Satisfied | ₽ | | |

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VACCINE RECEIVER



Vaccination Info

View Information

Name: Rahman

Vaccine Taken: false

Vaccine Name: None

Dose Number: 0

Priority: 9

Vaccinated By: None

B



Submit

VACCINE PROVIDER



Push Vaccine

| Vaccine ID | | | |
|---------------------|---|------|--|
| 1 | I | | |
| Vaccine Receiver ID | | | |
| 2 | | | |
| Vaccine Name | | | |
| Astrazeneca | | | |
| Date | | | |
| 20 | 2 | 2021 | |

Any Question?