VacCheck

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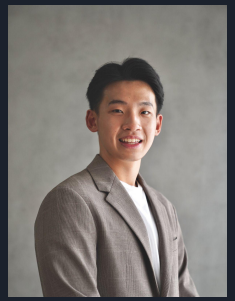
Team Members

Ellis Tran
- Leader
- Backend/Mobile Developer

Sung Woo Kim
- Web Developer



Patrick Kwok
- Mobile Developer

Yaling Liu
- Web Developer

Problem

1. New variants of the Covid-19 infect the world
2. Businesses are skeptical about CDC guidelines
3. Businesses need assurance for safety of their customers & staffs
4. Vaccine cards could be easily misplaced
5. Fraudsters selling forged copies of Vaccination cards

Objective

- Individual users
  - Easy access to fun events and public gatherings
  - No need of a physical card
- For businesses and organizations
  - Customers records are from a trusted source
- For Covid-19 control
  - VacChecks allows vaccinated groups to gather safely
  - Encourages vaccinations

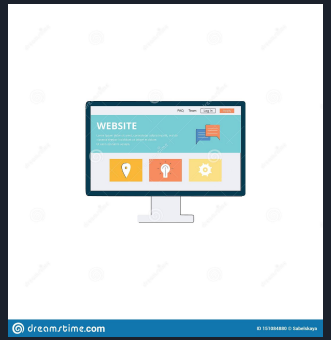
Background

Inspiration from the government of South Korea

- Korea's QR code-based registration of visitors
  - People entering facilities to scan their QR code from their smartphone apps or emails
  - Gathering info on visitors temperatures along with their names and addresses for a precise record for contact tracing
  - Visitor's record will be managed by the Social Security Information Service, will be deleted after 4 weeks.

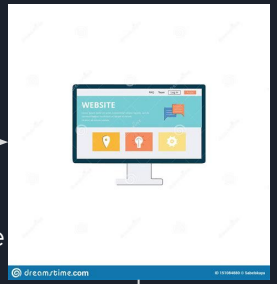
Design requirements

- Create a website for health professionals
- Generate a special database to provide data migration between applications
- Create a cross platform mobile application: iOS and Android
- Electronic versions of vaccination via QR Code



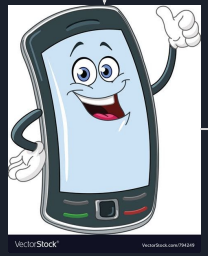
Design Architecture/Flow of Data

Health Professional inputs data into website



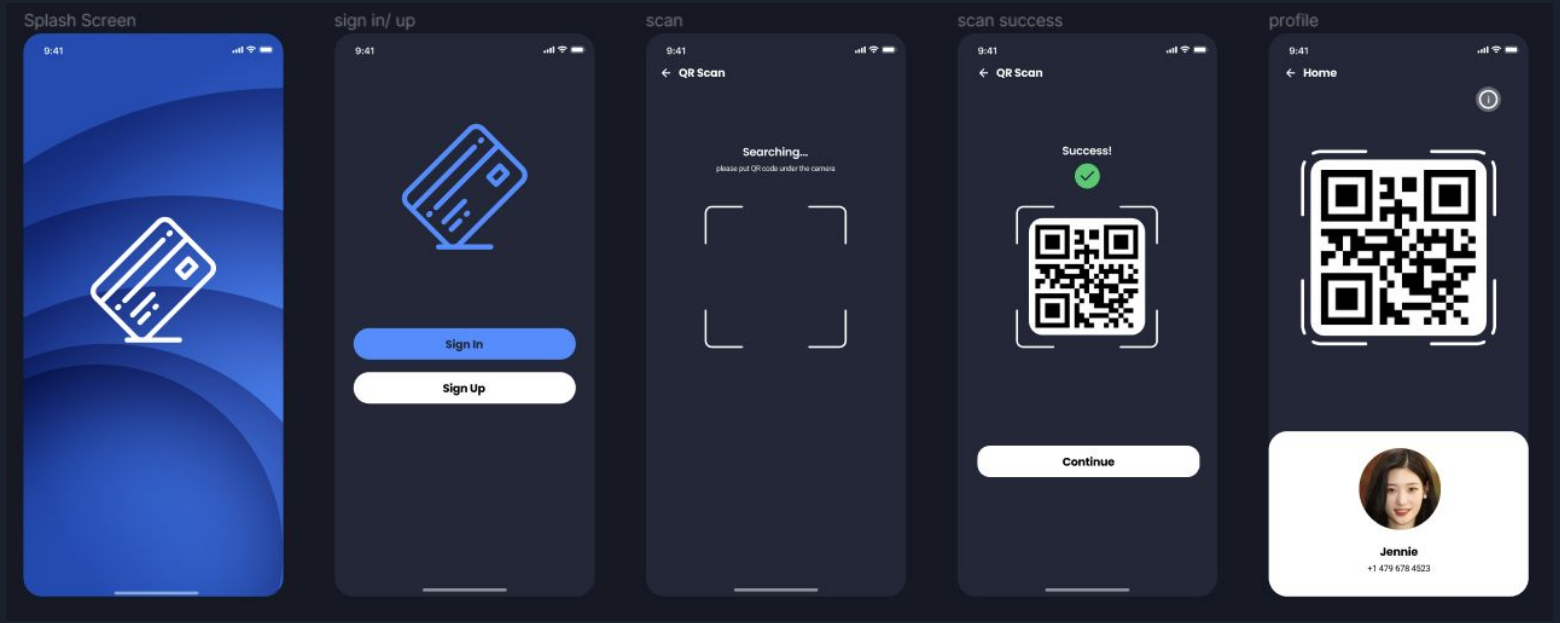
Data gets saved in database

Smartphone pulls Identification data



Based on ID data the QR code gets generated to be scanned

Mobile Flow


Splash Screen
9:41
sign in/ up
9:41
Sign In
Sign Up
scan
9:41
QR Scan
Searching...
please put QR code under the camera
scan success
9:41
QR Scan
Success!
Continue
profile
9:41
Home
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Tasks and Schedule

- Getting familiar with the tech stack
  - 1 week
- Design architecture/flow of the application
  - 1 week
- Creating design for front end
  - 1 week
- Set up database, server, and authentication
  - 2-3 weeks
- Develop mobile and web application
  - 2 - 4 weeks
  - Work simultaneously with 2 teams
- Testing
  - 2 weeks