

## **Sprint Review and Retrospective**

Before the Sprint one, our team picked the Staysafe Covid alert as our project. The COVID-19 made everyone have a hard time in the past year, the vaccine seems the only method that can defeat the virus and get our life back to normal. However, a lot of people are willing to take vaccines but they don't know what kind of vaccine they should take, if there is any side effect after taking the vaccine, when and where they should take the vaccine. Our team wants to develop a mobile application to help the users get the right vaccine information, guide users to take the vaccine at the right time.

### ***-challenge***

After picking the topic, we plan to do the application GUI design and structure design first. Our original thought is if we design the structure first the following process should be easier. However, we met a series of problems in the beginning of Sprint one, me and my teammates struggling with what kind of function the application should include and what is the scope of users. For the technical part, the hard thing is to pick the language and tool which all of the team members are good at. Besides that, we found that finding the correct information about vaccine policy is hard since different states have various vaccine policies.

### ***-solution***

After a series of group discussions, we decided to use 'Figma' as our design application. Figma is a vector graphics editor and prototyping tool which is primarily web-based. The Figma Mirror companion apps for Android and iOS allow viewing Figma prototypes on mobile devices. The web-based design application makes it easy to access, and the vector graphics editor and prototyping tools make the design dynamic and visible. Everyone in the team has some coding experience, we choose the 'react native' as our coding tool. React Native is an open-source mobile application framework created by Facebook, Inc. It is used to develop applications for Android, iOS, and macOS, by enabling developers to

use React's framework along with native platform capabilities. The React Native also provides a lot of resources and API to make the development more efficient.

### ***-sprint 1 review and future plan***

In sprint one, we finished the application GUI design, structure design, and made sure the user scope. Although we meet some challenges, everything goes as our plan. Our next step is to continue the application development for the Covid information part and user part. The user part includes building a database, allowing the user to create an account, get a new password, and login to their account. The covid information part includes let the user check the updated cases map, self assessment, and provide some basic coronavirus information and symptoms.

### ***-what went well***

- every team member do their job on time and join all of the meeting
- finish our design plan as our expectation
- Every team member willing to talk about their thoughts about the project, the cooperation is good.

### ***-what didn't went well***

- setting up the software 'react native' is complex
- haven't started the development process

### ***-what could be improve***

- efficiency of each team member's work
- the task assignment should be more clear
- clearly defined the sprint goal.