Team/Instructor Scrum # 6 (Feb 8, 2022 - Feb 15, 2022)

Team member

Team(Bugs): Abdelrahman Rabaa, Li Pan, Renz Rivero

Project Reintroduction (Rabaa)

It's a 911 call but modernized. So instead of only being able to call, someone in distress is able to make a connection with a dispatcher and communicate via audio, video, SMS, and more — making it easier to exchange relevant information. And going way back to Vlog #1. We just want to restate the main opportunity that our team attempts to provide. The main thing is to have a system that can potentially extend and use the NG911 infrastructure that is estimated to be implemented in Saskatchewan in 2024.

Individual Contributions (Everyone)

Renz: UI/UX, testing, documentation
Li: mobile local data saving, map route, bugs fixing
Rabaa: running app server in the background, appending data management, data hashing, data encrypting

User Route Demo (Rabaa & Li)

Video prepared to be played

Status description (Renz)

Current status: Green
Our current status is green because we currently have a functionable modernized 911 system. We have both a client side application as well as a dispatcher side application with the functionality to communicate with each other via the main objectives of our project

Project issues/changes (Renz)

So, realizing that our project is more so a system and not just a single application. The team and our mentor, Dr. Morgan, believes that it's more appropriate and accurate to name the project NG911 rather than SOS application.

In terms of issues, we hold the same status as last scrum. No real issues but just things to look out for. Most notably, our encryption and performance which Rabaa and Li will talk more in detail about

Encryption (Rabaa)

- RSA
- End-End
- Start encrypting messages
- Key pairs generated per connection

Optimization (Li)

- Code refactoring: no duplicate functions or widgets

Next Up (Rabaa)

- Encrypt all sensitive data on Firebase
- Continue improving UI/UX

Team reflection (Li)

Does the team feel "on track"? (reiterate the above colour status)

Yes, our system the main functionalities are accomplished.

What progress does the team particularly feel good (great) about?

The project management steps following as we planned.

What barriers (if any) does the team feel are a current impediment to success?

Limited knowledge of cloud security.

What help (if any) does the team require to move positively forward?

Network, firewall,and transport encryption.

What questions or concerns does the team have (if any)?

N/A