

Team member (re)introductions(Li)

(Re)Introduce the team and (re)state roles and responsibilities (if they have changed or stayed the same)

Our project is an SOS mobile application.

We are team(Bugs)

- Li Pan: Software Developer
- Abdelrahman Rabaa: Software Architect
- Renz Arram Rivero: Technical Lead

Brief project blurb (Renz)

Briefly restate what your team is doing, the business needs and/or the opportunity/innovation that your team's project idea will introduce into the world

A 911 call made a little more efficient by specifying distress calls into different "scenario" buttons. As for our MVP, this scenario button will be a medical scenario for this is the case for most calls according to our discussion with John Leitch, a previous RCMP professional. With the information provided by Mr. Lietch, we now know that it will not be impossible to skip the step where the user calls 911 and have to answer for their current scenario whether it is medical, fire, etc. The user must go through that process. What is possible is to then send text messages, images, videos, location, and any other relevant information after this process through the upcoming next generation 911 (NG911) infrastructure but this won't be possible until 2024, which is the estimated time for NG911 to be implemented. So, this is a feature that our app should easily extend to. In the meantime, the innovation that comes with our app comes in the form of having the relevant information for specific distress calls in the app for support workers to use. These are the main objectives of our project. Make it possible for app to easily extend and use the upcoming NG911 infrastructure to send relevant information as fast as possible to the other end of the 911 call ... and hold these relevant information from different scenarios in the form of logs for support workers to use

Project activity dates

Sept. 10, 2021 - October 15, 2021

Project activity (Renz)

State all project activity for the specified dates (the hills, valleys, and/or change of direction). Ensure team members individually speak to their contributions over the stated dates. What did everyone do to contribute to where the project is at?

Note: I want to hear (and hopefully see in the video) team members in the video (this is about professionalism here folks)

From September 10 up until now, October the 15th, the due date of this vlogs, we had been researching about what can be implemented and had been designing accordingly. In terms of my contribution, I had helped with the LoFi prototype as well as finalize it, started our project on Flutter with a bottom navigation bar system (not the best implementation), as well as set up the skeleton of our SOS (Home page) with a loading effect.

Li: Design User interface. Make the placeholder profile page with the basic signup information requirement.

Rabaa. Coded the “Activities page” front end, implementation of the call function, stakeholders analysis and story map.

Status description (Li)

As a team, provide an overview of the project’s current status (green=good, yellow=slightly off track, red=off track). If the status is yellow or red, indicate:

- The reason(s) that the status is yellow or red
- The planned action(s) that will bring the project back to a green status.

Our project's current status is Green. We are focusing on the medical emergency scenario MVP by using an agile design process.

Project issues (Rabaa)

List any issues from the Issue Log that are significant and should be shared with the audience of this report. If any related work has been done or decisions have been made, a summary should be provided. Ensure to address any comments that came up in the previous scrum/meeting time.

Right now there are no issues, we are balancing our work to have some software design plans, and coding not to be held back. We also are working on refactoring the stateless nature of our code. Right now it is in its basic stage.

Project changes (Rabaa)

List any project changes that were approved since the last vlog, team/instructor scrum, or project bazaar day

Documentation overview and/or project demo

Outline key research and analysis from initial project planning work. Demo what ya got working as-is if applicable.

As of our discussion with John Leitch, the ability to send anything other than a call to 911 in Canada is not possible before 2024. This new sprint is called New Generation 911, or NG 911.

Also, we are now aware of the circle of care concept for the user's privacy. The circle of care are the people working specifically towards the person in need of care, these people are allowed to access the information needed. If 3 doctors are in a room performing a surgery and a 4th doctor is just staying in the room, that 4th doctor is not in the circle of care.

Our application will store all types of data locally, for the circle of care to use it. Yet we will implement our application in this MVP so it is functional in 2024 according to the NG 911, users will be able to stream their data instead of just holding them locally.

Demo (Rabaa):

As you open the application, you can navigate to one of the three tabs, "Home" where you could have signifiers that the video "front" and "rear", and finally audio is recording.

On "Activities" you should get the past logs of activities done during the emergencies.

On Profile, you could update details regarding your profile such as medical history, or further settings in the application.

On each page you could access the call button which would directly call the emergency number for you

Next up (Renz)

Discuss your team's plan for the next several weeks with respect to software design and development activities. Discuss the overall team plan but also (again), team members must individually speak to their contributions that are planned by the next meeting (regardless if it is a project bazaar day, vlog, or team/instructor scrum)

As of now, we have concerns with our page implementations. Everything looks nice but they are stateless and pretty much just cover up each other. Basically, not having states for each page. The plan to make this better is to clearly refactor the code so that it is state based and will likely implement some kind of a state machine design pattern.

Other than that, we will slowly replace the placeholders in each page with actual implementations of how they are supposed be such as actual texts, buttons, etc.

Team reflection(Li)

Discuss:

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

Our team feels our current progress is on track to succeed. We implement an agile design process to improve our App's functionality and reliability. The App's main function has been achieved.

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

We feel good that we have a clear plan to forward our project. Our mentor gave us clear goals of what we should achieve each week.

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

There are no barriers in our way currently, but we want to keep the balance between our design idea and the implementation process.

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

Our weekly meetings with Dr. Morgan helps us greatly. Also, the officer from The RCMP gives us lots of good suggestions to keep our team moving positively forward.

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

We are concerned that it could take too much time to implement the agile design process that we are designing and developing simultaneously.