Team/Instructor Bazaar # 1

(December 6, 2021 - January 25, 2022)

Team member

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

Demo

Video prepared to be played

Problem we are attempting to solve (Renz)

So what is the problem we are trying to solve?

With the current technology, emergencies are reported mostly through phone audio. Smart phones can do so much more now. We plan on taking advantage by establishing the user with a connection to a 911 dispatcher that allows conversation not only through Audio but also through SMS and video calls. The more options provided will better suit all possible emergencies that can occur. An example to emphasize this point is a user connecting with a dispatcher to converse through SMS because their current emergency scenario does not allow them to speak.

Moreover, according to our meeting with Lori Kolybaba, a call dispatcher, the current system does not do well in providing accurate location. With the use of GPS in most smart phones, we are capable of enhancing this.

In terms of sharing more personal information that could prove relevant for responders to act efficiently, we wish to better this by providing users a profile page to input these informations for easier access and updating for the dispatcher as Rabaa had briefly demo'd in the video earlier. This is currently not available on applications that are out there and Li will go over about how we plan on handling the security of these personal information in her upcoming slide.

NG911 Highlights (Li)

Our SOS Emergency system makes video and text possible instead of only audio call. Our project enhance data transfer between callers and 911 agency. More information support for emergency situation. Users' data is saved locally on their mobile, unless they make an emergency call, the Saskatchewan Public Safety Agency will collect users data and keep it secure.

Project Statues (Rabaa)

Green. Issues/Changes - No

Next up (Rabaa)

- Implement route track
- Mobile sensors data is saved locally before emergency happens
- Sense car crash
- UI and UX
- Testing cases