Team member

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

Project Reintroduction (Rabaa)

- NG911 system includes an sos mobile application and a public safety agency web server.
- Enhancing data transfer during emergency situation between mobile users and 911 agency
- Improving public safety agencies work efficiency as well as protect residents safety

Individual Contributions (Everyone)

Li: audio/video stream state update, PSAP side login and setup functions' bugs, data workflow chart update; call cases implement

Rabaa: Implement call cases interaction on PSAP, fix timer bug, fix page router bug, modify background listening on sos app

Renz: Enhancing UI/UX, code cleanup, general documentation

Demo

Video prepared to be played

Status description (Rabaa)

Current status: Green

Project issues/changes (Renz)

So, in regards to project issues and changes, we don't necessarily have any but we just have things to look out for.

We had talked about our use of Firebase several times. And in terms of encryption, the service encrypts data in transit using HTTPS and logically isolates consumer data. Briefly saying that, we will essentially just give our trust to them when it comes to encryption but we will always
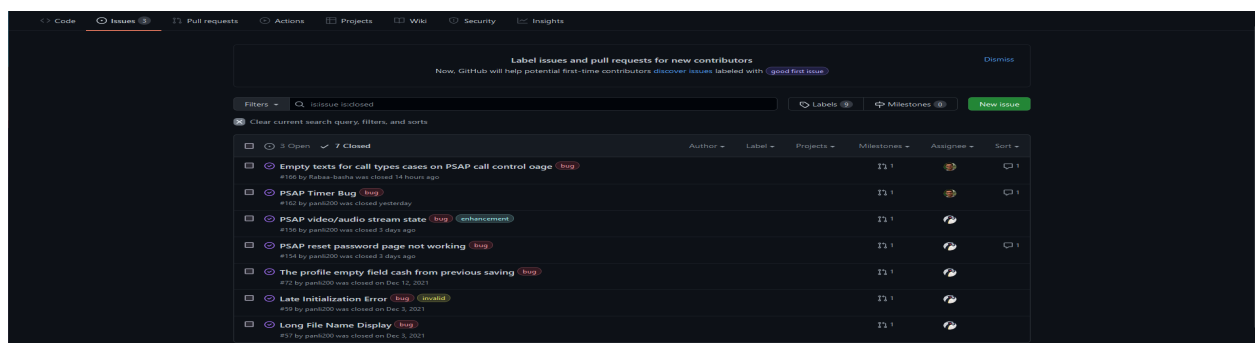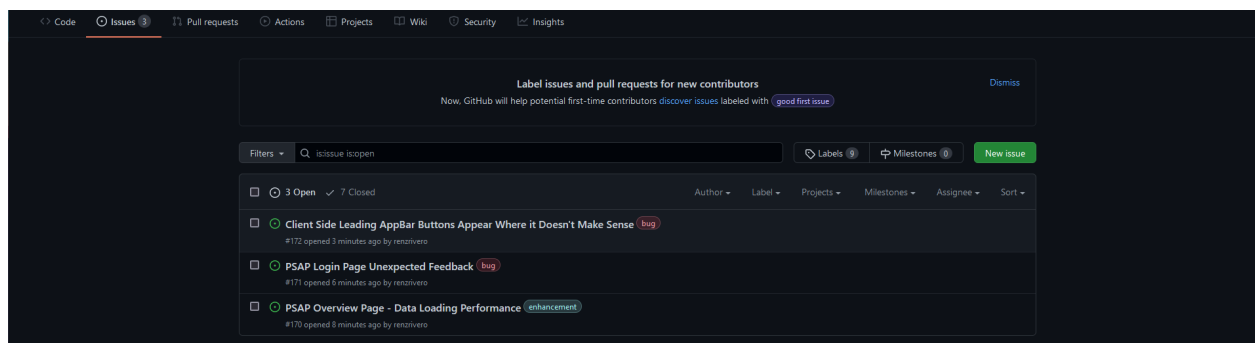
keep an eye out for encryption because it is a big deal for our project.

With optimization, we have to keep watch on our reading/fetching data performance and ensure that it still capable to run as our system scales.

We have a complex system and so far automated testing tools we have ran across (such as Semaphore) are only capable of covering the surface level of our system. As of now, it seems that test cases for deep scenarios have to be done manually.

Again, no real issues. Just some things that make us worry.

Project Management with GitHub Issues (Renz)

To keep tabs on the things we worry of and just bugs in general, we have started using the issues tab on our github repository. On there, we open up new issues we run across as we develop and close issues when its been solved

Next Up (Rabaa)

- Send last 10 minutes of sensors' data when initiating a call.
- Fix bugs
- Unit test

Team reflection (Li)

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

We successfully accomplished the communication functions in sos system by following our designing.

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

The main function of sos system implement successfully.

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

The limited RAM and storage capacity of mobile devices are obstacles for our function implement.

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

Security and data encryption information can be used to improve our data management techniques.

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

N/A