

Bazaar # 2

Jan.25 - Mar.1, 2022

Team Bugs

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Project Reintroduction

NG911 System

- **A modernized 911**
- **Will aim to utilize and or inspire the next generation 911 (NG911) infrastructure to come in Saskatchewan around 2024**

Renz: front-end — UI/UX, testing, general code cleanup & documentation

Li: map route, bugs fixing, profile update

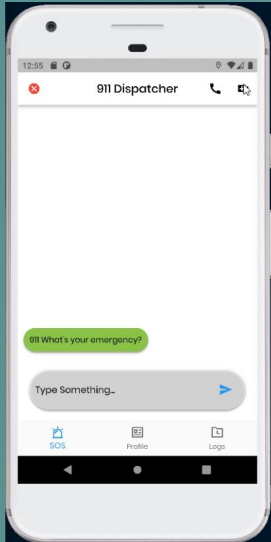
Rabaa: running app server in the background, appending data management, data hashing, data encrypting

Demo

Status Description

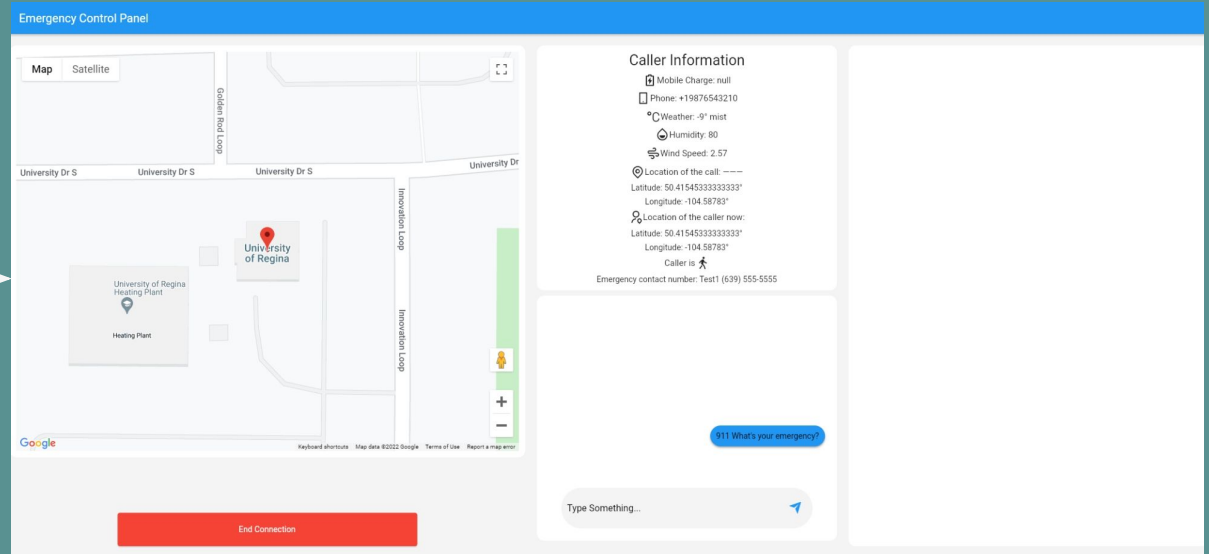
Current status: **Green**

Functionable modernized 911 system achieved



Client Side

Connection



911 Dispatcher / PSAP Side

User Testing

- Previous RCMP officer, John Leitch, had a physical device with the client side application
- Collective in-person meeting with the team, Mr. Leitch, and our mentor Dr. Morgan to test the system

Project issues/changes

No real issues

Feature creeps

- Good feedback from Mr. Leitch — provide a navigation system while in the call on the client side application

Focusing on a stable build

- Encryption
- System performance (optimization)

Encryption

- RSA
- AES
- End-End
- Exchange keys
- Start encrypting messages
- Key pairs generated per connection

Optimization

- Code refactoring
- Apply effects/loading only when/where it is necessary
- Process of encryption
 - Compromised video resolution for tolerable speed

Next up

- Continue improving UI/UX
- Stabilize states
- Intensive user/automation testing.

Team Reflection

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?

Our barriers is limited time to implement Mr.Leitch proposal from last weekend.

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

Stabilize all features we implemented.

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

N/A

Thank You!

