Team/Instructor Scrum # 4 (Oct 22, 2021 - Nov 19, 2021)

Team member

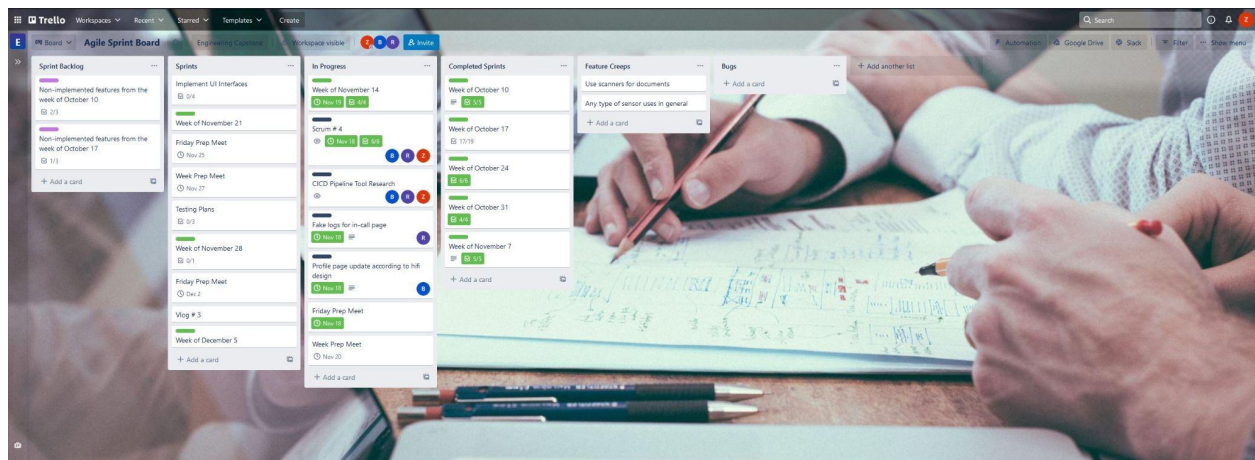Team(Bugs): Abdelrahman Rabaa, Li Pan, Renz Arram Rivero

Project Reintroduction (Rabaa)

SOS mobile phone application that will increase the efficiency of 911 calls, maximising the amount of shareable data; a step forward towards NG911.

Status description (Renz)

Current status: Green

- Scheduled mentor/professional meetings (weekly)
- Trello board (tasks assigned)

Individual Contributions (Everyone)

Li: Lo-fi & Hi-fi Public Safety Answering Points (PSAP)/Admin Control Panel; Firebase setup for ios; Client Side Flowchart

Renz: Client Side Hi-fi; Lo-fi PSAP Side; Client Side Flowchart;

Rabaa: Lo-fi PSAP Side; Client Side Flowchart; Firebase integration

Project issues (Li)

- The plugins versions compatibility
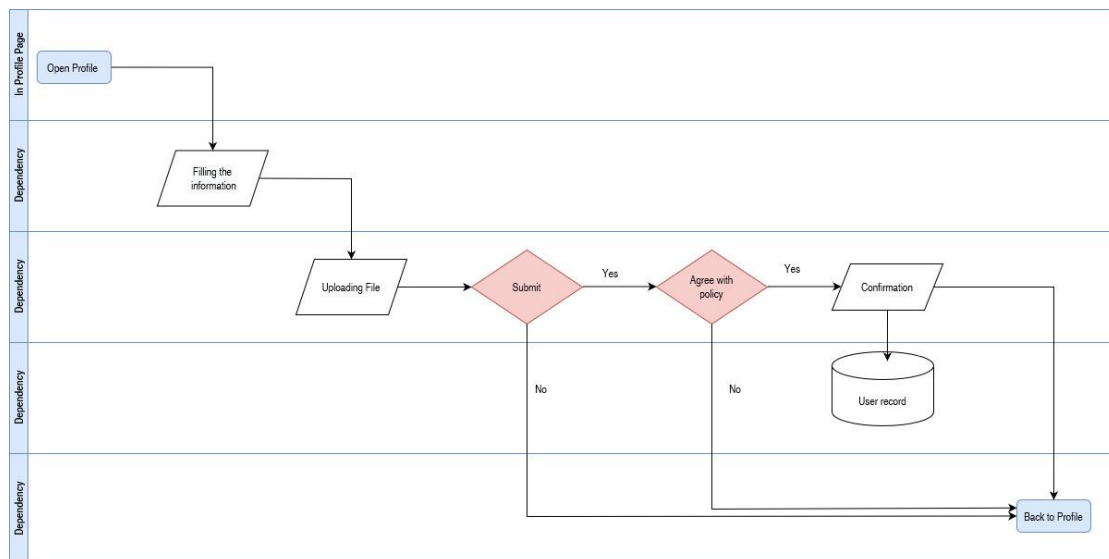- The functionality consistent between ios and android

Project changes (Li)

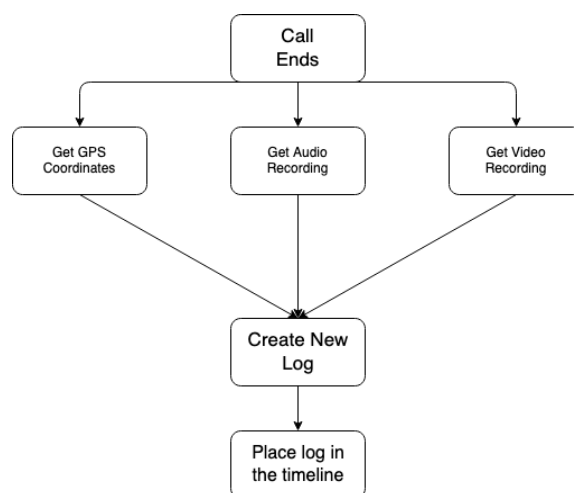- The main idea is still the same.
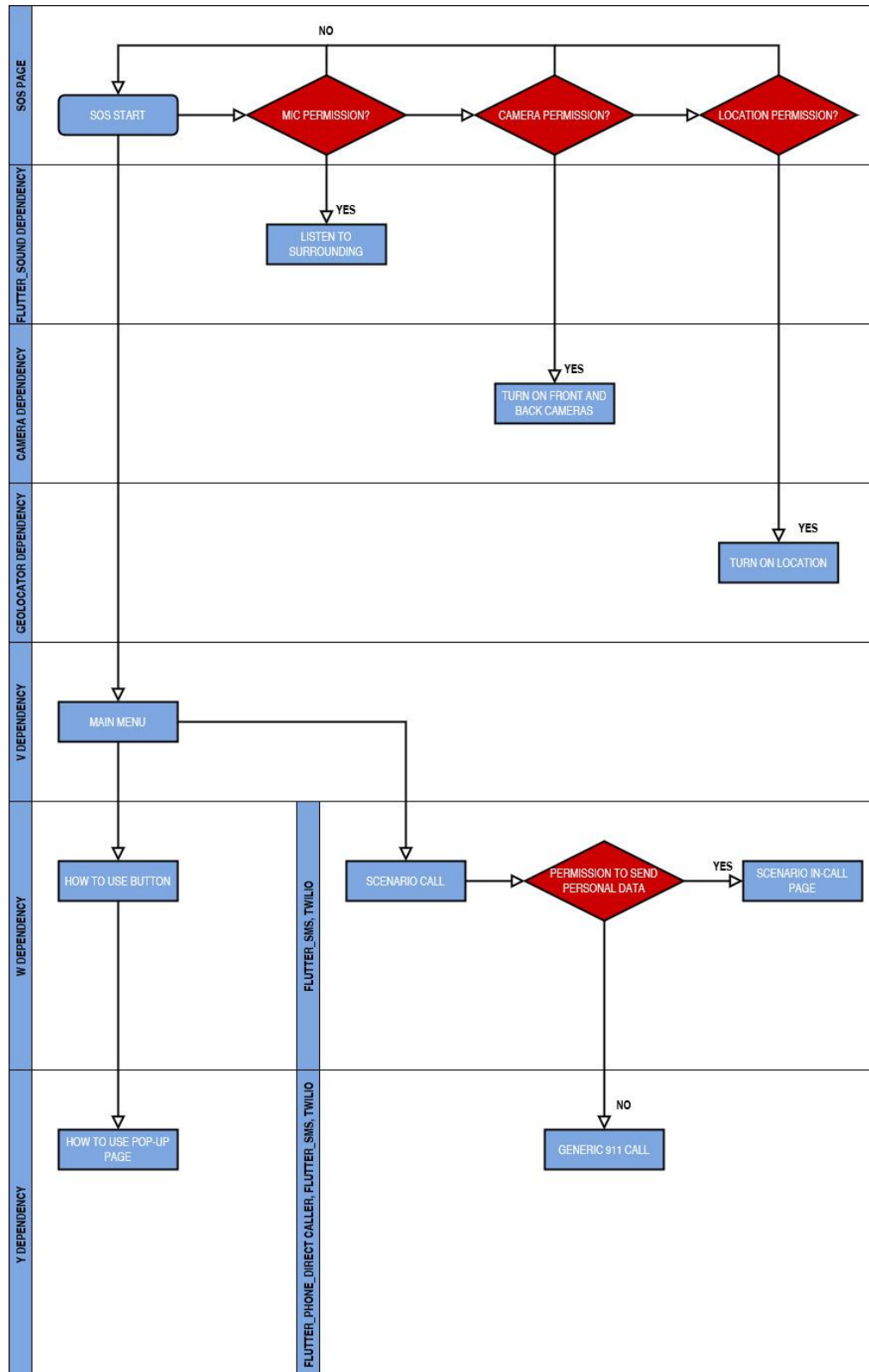
Documentation overview/Project demo (Renz)

Flow Charts
- Profile Flowchart - Li

- Activities Flowchart - Rabaa

- SOS Flowchart - Renz

| SOS PAGE | FLUTTER_SOUND DEPENDENCY | CAMERA DEPENDENCY | GEOLOCATOR DEPENDENCY | V DEPENDENCY | W DEPENDENCY | Y DEPENDENCY |

NO

SOS START → MIC PERMISSION? → CAMERA PERMISSION? → LOCATION PERMISSION?

MIC PERMISSION? — YES → LISTEN TO SURROUNDING

CAMERA PERMISSION? — YES → TURN ON FRONT AND BACK CAMERAS

LOCATION PERMISSION? — YES → TURN ON LOCATION

MAIN MENU

HOW TO USE BUTTON

HOW TO USE POP-UP PAGE

FLUTTER_SMS, TWILIO

SCENARIO CALL → PERMISSION TO SEND PERSONAL DATA — YES → SCENARIO IN-CALL PAGE

PERMISSION TO SEND PERSONAL DATA — NO → GENERIC 911 CALL

FLUTTER_PHONE_DIRECT CALLER, FLUTTER_SMS, TWILIO

The flowcharts helped with clearing the gray areas we had in the ultimate vision of how our application is going to work. The swimlanes in the chart also contain potential dependencies/plugins we will need to use for an action. These dependencies/plugins are also listed on an excel spreadsheet to make things even more clear

Finalized Client Side Hi-Fi Prototype (Video sent to Mr. Leitch — RCMP client)
Based on the Lo-Fi- prototypes and flowcharts we had made for the client side, we are able to finalize a Hi-Fi design for the client side. Here is a video link we had demod to our mentor and RCMP client:

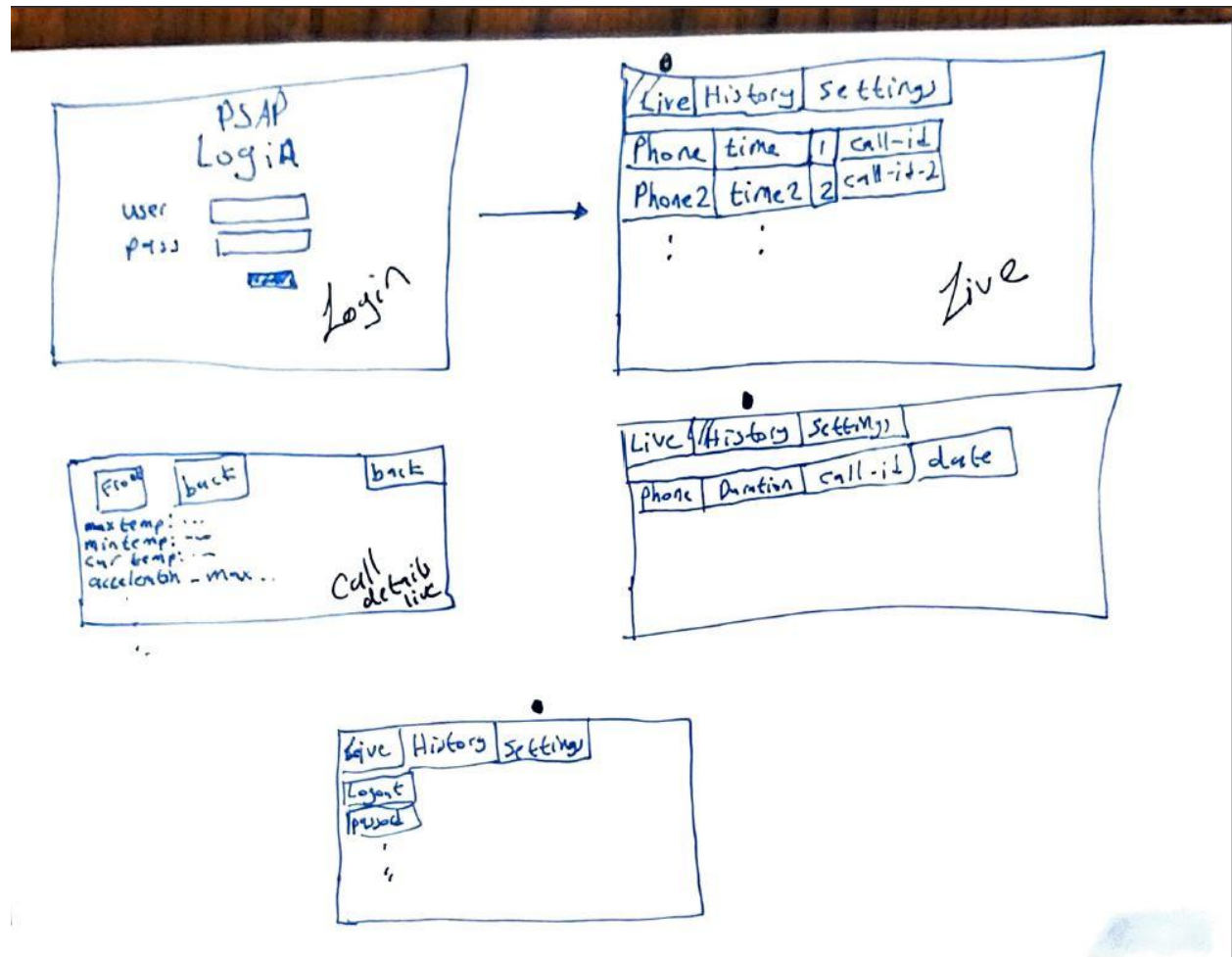https://drive.google.com/file/d/1QpDGlHGbElFlKYlJ61Bs_GObXn-j4FUU/view?usp=sharing

PSAP/Admin Side Lo-Fi Prototypes
In terms of the PSAP/Admin side, we individually prepared our own Lo-Fi designs based on the requests and guidance given during our weekly meetings. In the designs, we focused on how multiple calls as well as their associated relevant information will be organized. Just before this scrum, we had our weekly meeting and had proposed a combined Li-Fi design so it is subject to change. To be clear, these images are our design ideas of what the screen will look like for the 911 call receiver.
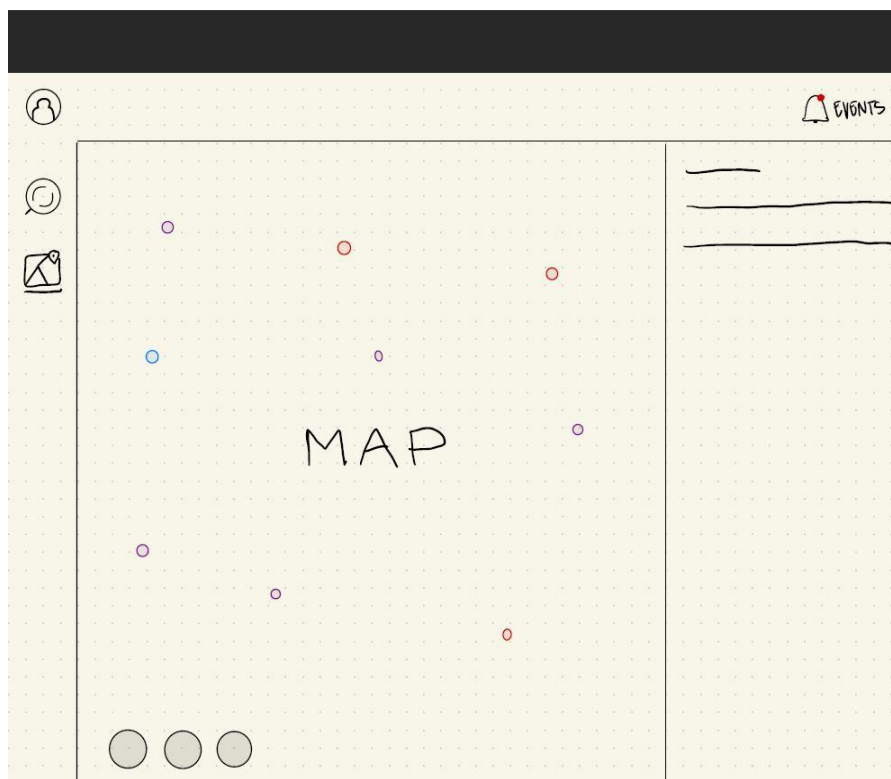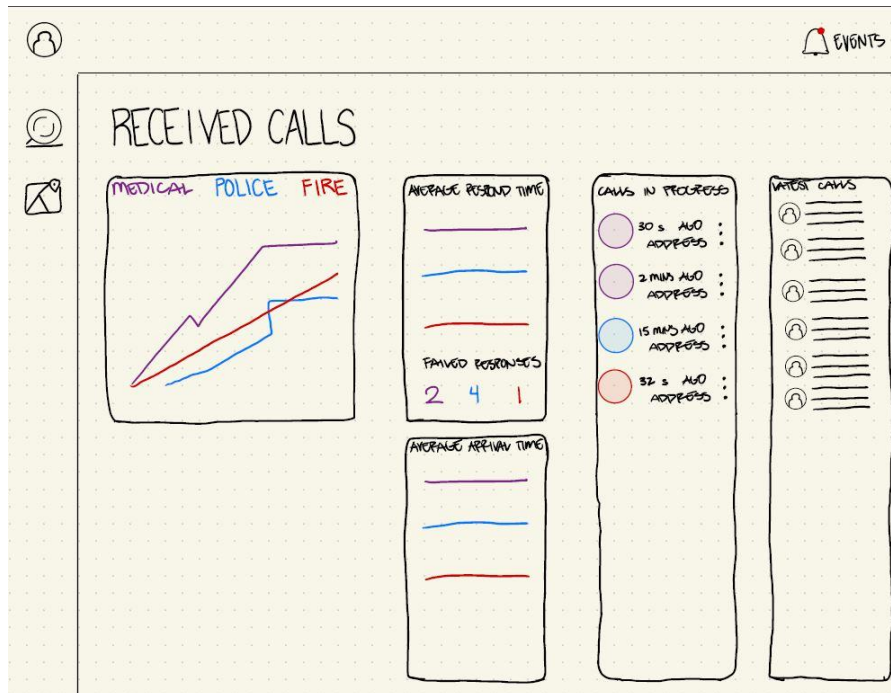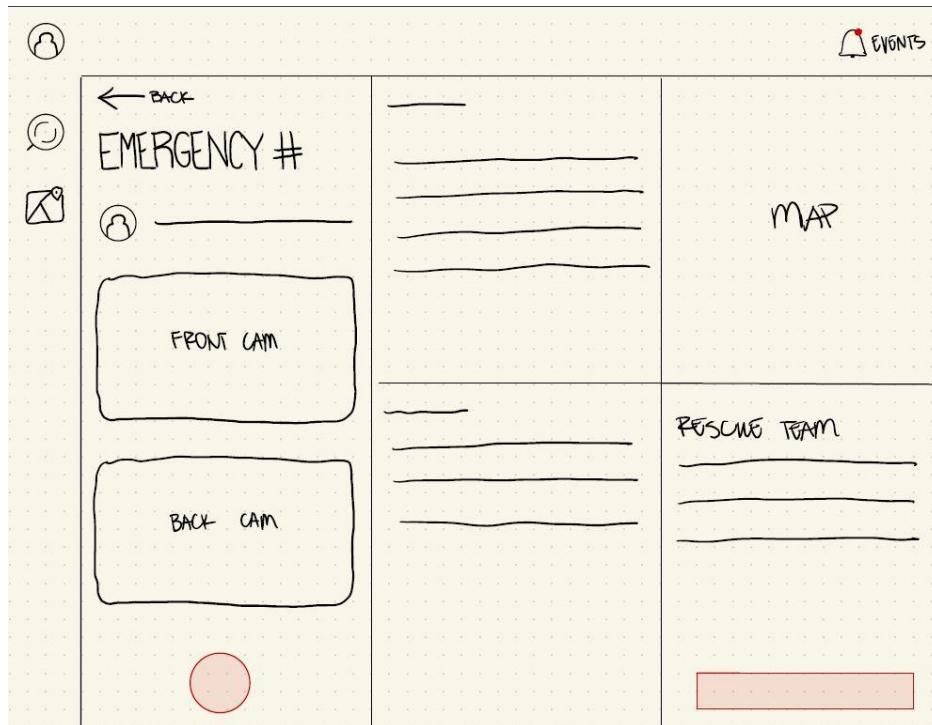
Li

Rabaa

PSAP
LogiA

user [   ]
p+ss [   ]
[used]   Login

Live	History	Settings
Phone	time	1	call-id
Phone2	time2	2	call-id-2
:	:		

Live

From	back	back

max temp: ···
min temp: ··
cur temp: ··
acceleroth - max ···

Call
details
live

Live	History	Settings
Phone	Duration	call-id	date

Live	History	Settings
Logout		
passod		

'
'

Renz

RECEIVED CALLS

MEDICAL POLICE FIRE

AVERAGE RESPOND TIME

FAILED RESPONSES
2 4 1

AVERAGE ARRIVAL TIME

CALLS IN PROGRESS
30 s AGO
ADDRESS
2 MINS AGO
ADDRESS
15 MINS AGO
ADDRESS
32 s AGO
ADDRESS

LATEST CALLS

EVENTS

MAP

EVENTS

Next up (Rabaa)

- Hi-Fi for the PSAP Side
- CICD Pipeline setup and deployment
- Implement More Client Side UI
- More features in the In-Call page
- Streaming video

Team reflection (Rabaa)

Does the team feel "on track"? (reiterate the above colour status)
The team is currently on track, we feel positive about reaching a great result by the end of this semester.

What progress does the team particularly feel good (great) about?
Our planning is now more clear Lo-fi, Hi-fi, state diagrams, etc., thus we could keep developing as per the plan.

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

Non right now.

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

We are getting great help from the RCMP former officer and regularly asking him for feedback.

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

Non right now.