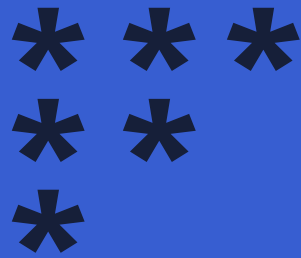


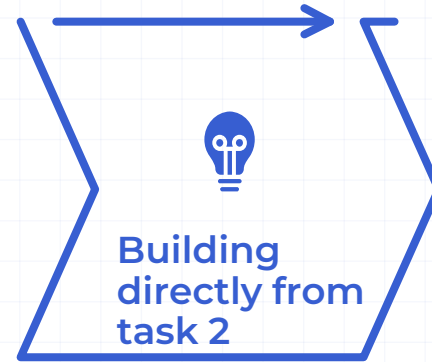
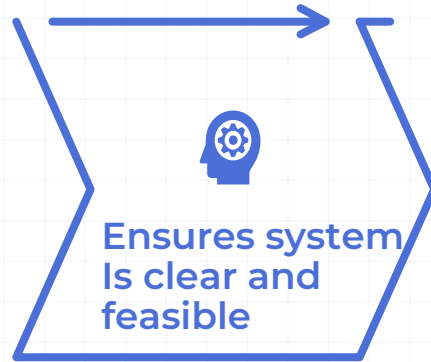
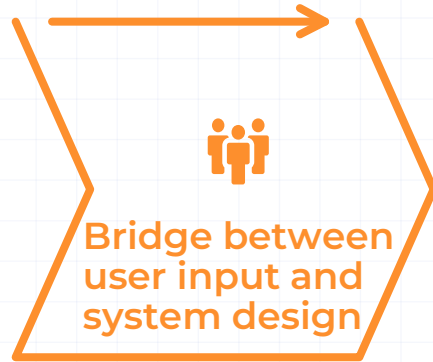
# Title: Analysis of the Requirements Mobile Network Experience monitoring

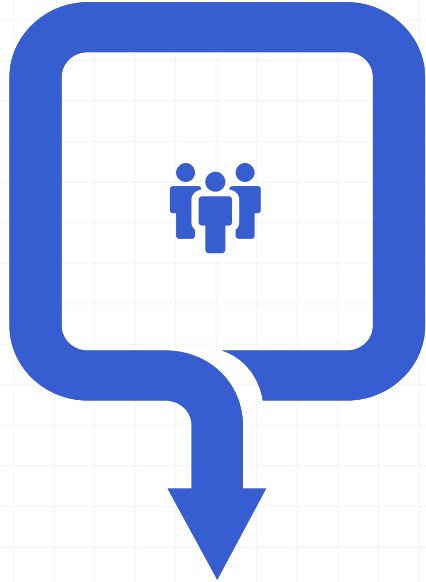


- \* Introduction , Context and motivation
- \* Review and Analysis of Requirements
- \* Identification of Inconsistencies and ambiguities
- \* Prioritization of requirements and Software Requirements specification
- \* Validation with Stakeholders and Conclusion

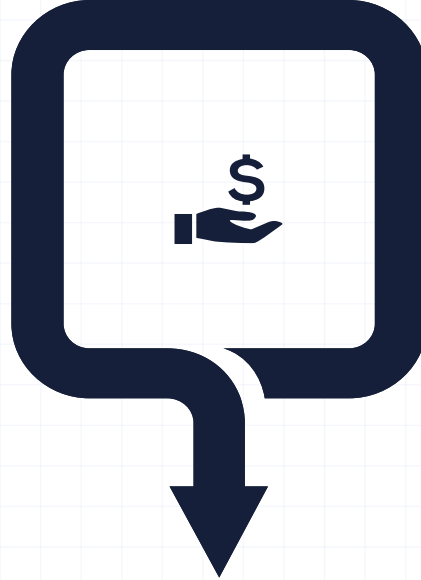
“Presented by Group 23”

## INTRODUCTION

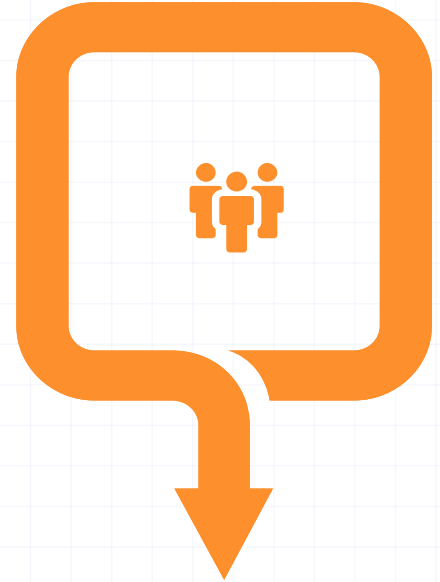




**Mobile Network issues  
are common in  
Cameroon**



**Expensive data bundles but  
still slow internet speeds and  
dropped calls**



**Users need a tool to report real  
experience and view different  
network performances , not just  
technical data**

Requirements  
checked for  
completeness  
clarity and  
feasibility

Most User needs  
are clear and  
addressable

\* Key dependencies  
include background data  
recording, privacy,  
permissions



Key  
dependencies  
are identified

## Key findings from review

- \* Here we checked requirements that were complete
- \* We also analyzed some that seemed to be incomplete or missing
- \* Ambiguities were looked at to ensure clarity

### Completeness



User Pain Points and privacy concerns were captured

Most Users never specified their preferred data visualization methods



### Missing



### Ambiguities

Terms Like “Manual Reporting” needed clearer definition

## Identification of Inconsistencies



Here we looked at some conflicts in the use requirements



We also looked at the undefined terms



We also solved some of these issues

### Conflicts



e.g Want background monitoring but fear battery drain

e.g Manual reporting  
View signal strength



### Undefined terms



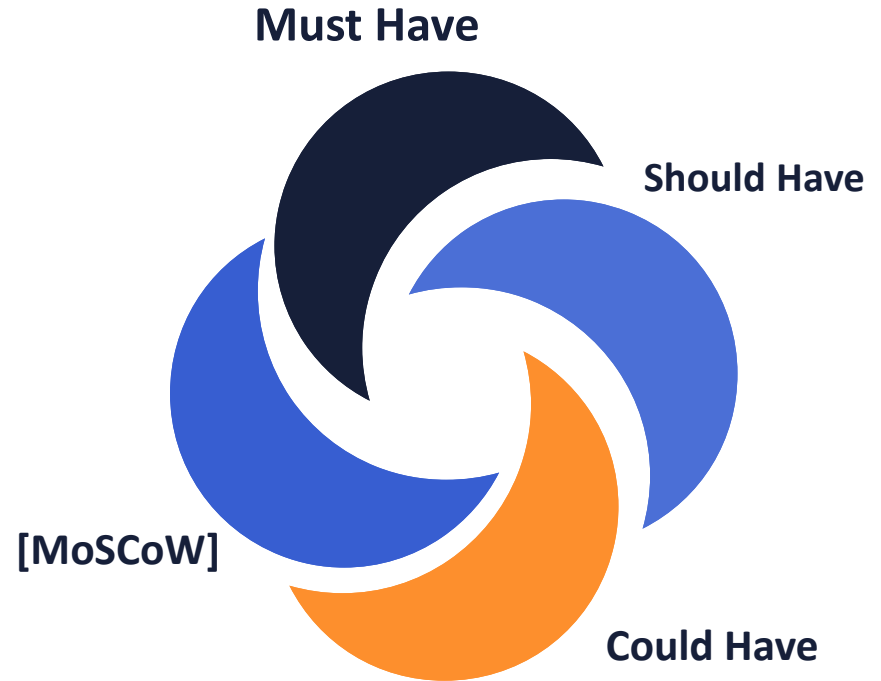
### Solutions

e.g Allow use control, prototype for clarity

# Prioritization of requirement Using MoSCoW method

PAGE 1

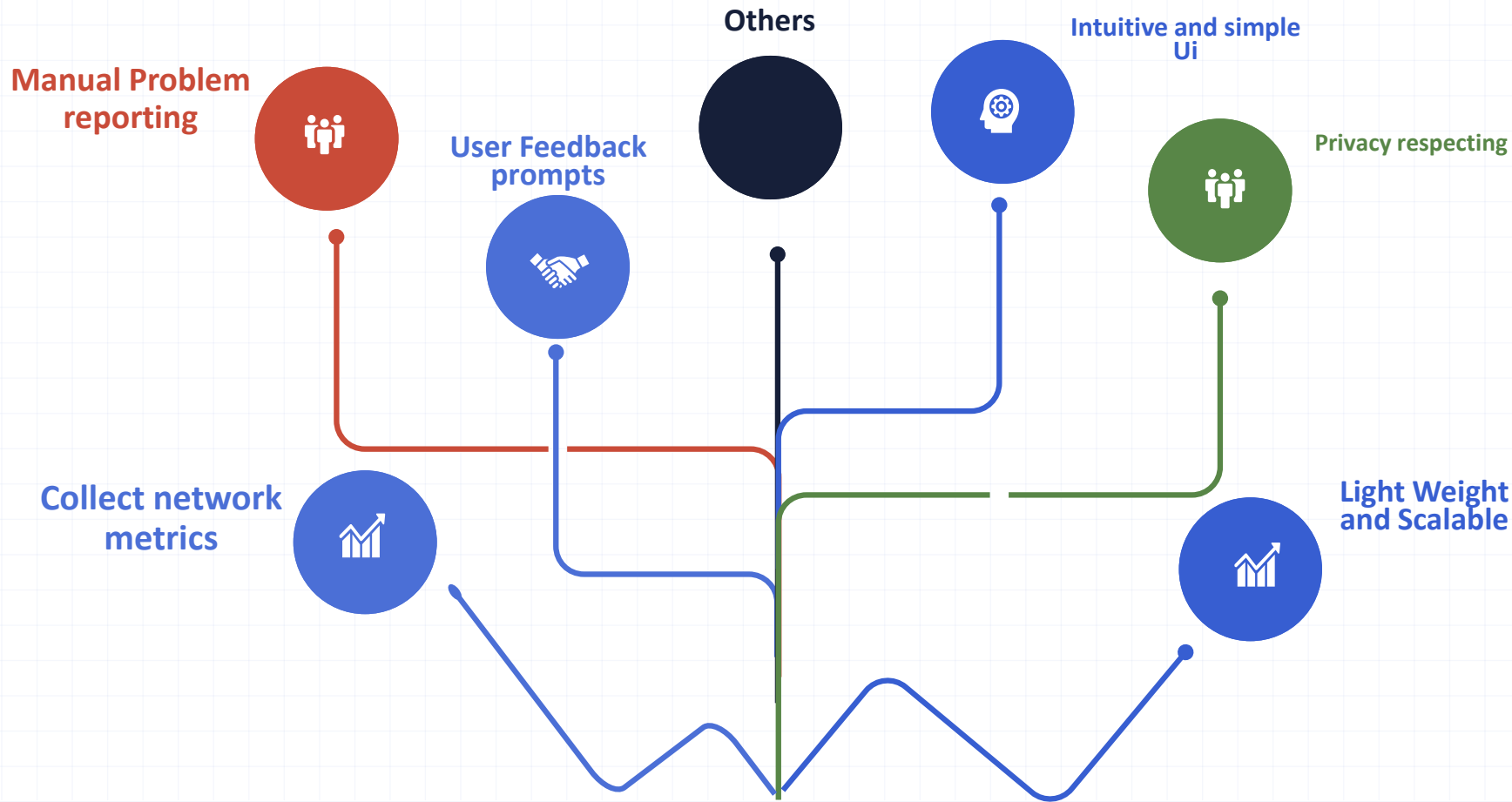
- \* Must Have :Data Collection and manual Reporting
- \* Should have Language Support , Feedback frequency customization
- \* Could Have performance Dashboards



# CLASSIFICATION OF REQUIREMENTS

## FUNCTIONAL REQUIREMENTS

## NON-FUNCTIONAL REQUIREMENTS





## External Interfaces

\* Android OS API's

\* GPS Module

\* Backend Server API

\* User Interface

## Validation with Stakeholders

Some of are 65 respondents were met and we validated the requirements with them

Step 01



Key features were verified and added

Step 03



Users confirmed the features and additions were taken into consideration

Step 02

Step 04

Future Validation with stakeholders such as telecom Engineers

# Conclusion

**Requirements are complete , feasible and validated , this helps us to have a clear foundation on our procedure with next steps**

