

A decorative background consisting of a grid of thin black lines. The grid is composed of 20 vertical lines and 20 horizontal lines, creating a 19x19 grid of squares. The grid is positioned on the left side of the slide, with the text 'Group1' and 'EchoGuide' overlaid on it.

Group1

# EchoGuide

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Xingchen MA

Smriti PANDA

Baptiste SAMOYAULT

Ilinca MURARESCU

# Division of Work

Title: System, team #, names- Baptiste

Personas: Why relevant?- Baptiste

Design Problem: What's the problem?- Smriti

Concept/Diagram: What's the solution- Smriti

Video Prototype: 3-5Mins- Ilinca

Justification: Explain improvements:  $\frac{1}{2}$ - Ilinca,  $\frac{1}{2}$  - Xingchen

Conclusion: What's next-Xingchen

# Personas

Mary:

Athletic person, punctual, user of our device



Robin:

doesn't use technology to navigate

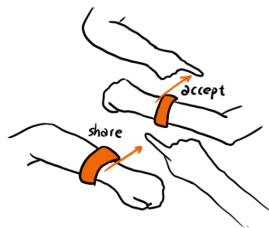


Antonie(extrem character):

Frequent user, almost blind without his glasses







# Design Problem

Under conditions of :

- Harsh weather such as rain and snow
- Users with visual impairment,

Navigation becomes difficult, especially with the map visualisations on screen. That's where our design comes to play which introduces more freedom of mobility with limited usage of screen.

# Concept/ Diagram







# Justification

- ~~→ combining the modes~~
- ~~→ human voice~~
- projection became better (2 modes, an arrow)
- ~~→ ring lights, icons on buttons~~
- twisting for activation
- sharing location through bluetooth
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# Justification

**Human voice:** more human voice was adapted for vocal indication, gaining more confidence

**Combining modes:** the user can use multiple navigation modes at once, choosing them in an intuitive way

**Better buttons:** the buttons have suggestive icons for each mode and the activated one is indicated by a ring light around the according button.

# Justification

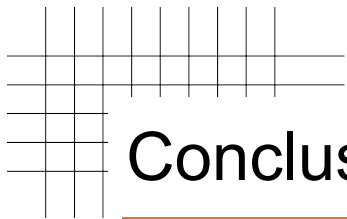
human voice

arrows

projection became better (2 modes, an arrow)

twisting for activation

sharing location through bluetooth



# Conclusion

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visual

recognise pairing

earphone-voice privacy

privacy-destination