FUNCTIONAL PROTOTYPE

Group 11

70119 - André Rodrigues
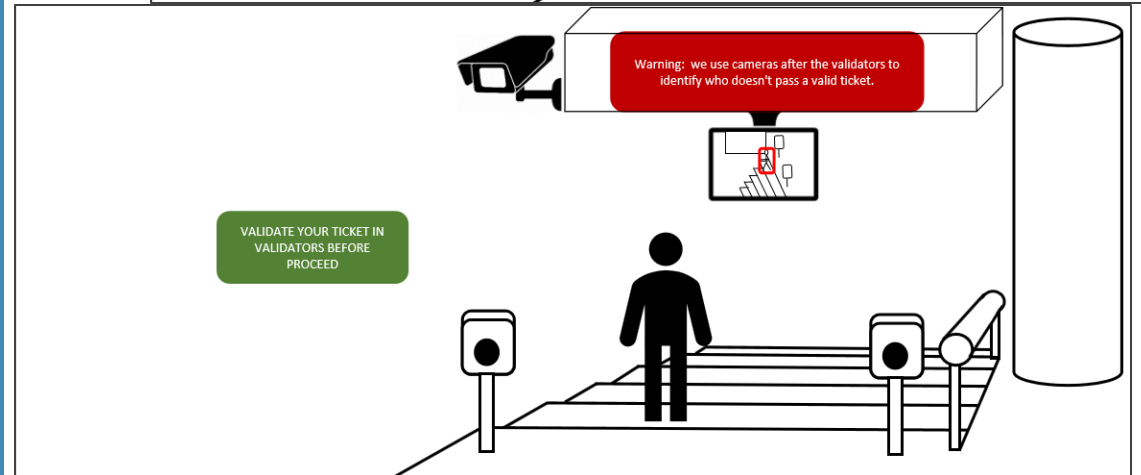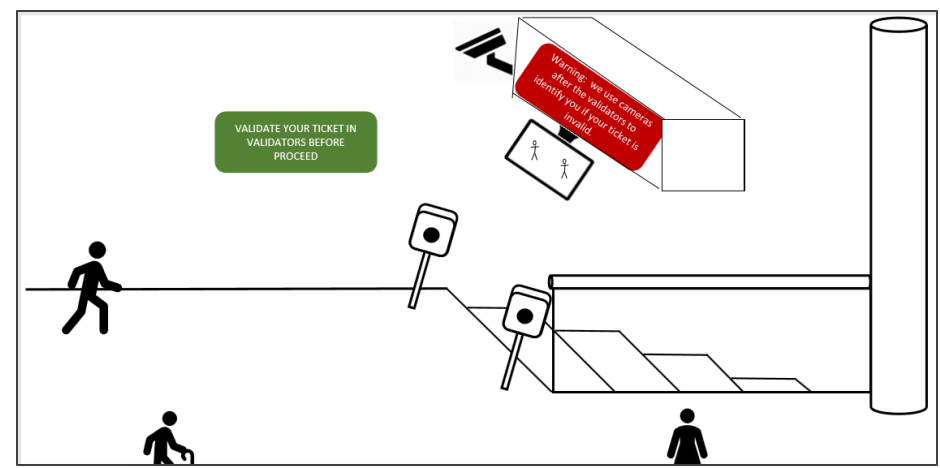
81633 - João Henriques

94060 - Luís Loureiro

SUMMARY

- Description of our idea and prototype

- Critical tasks

- Formative user study
  - Research questions
  - Task

- User Study
  - Analysis of results
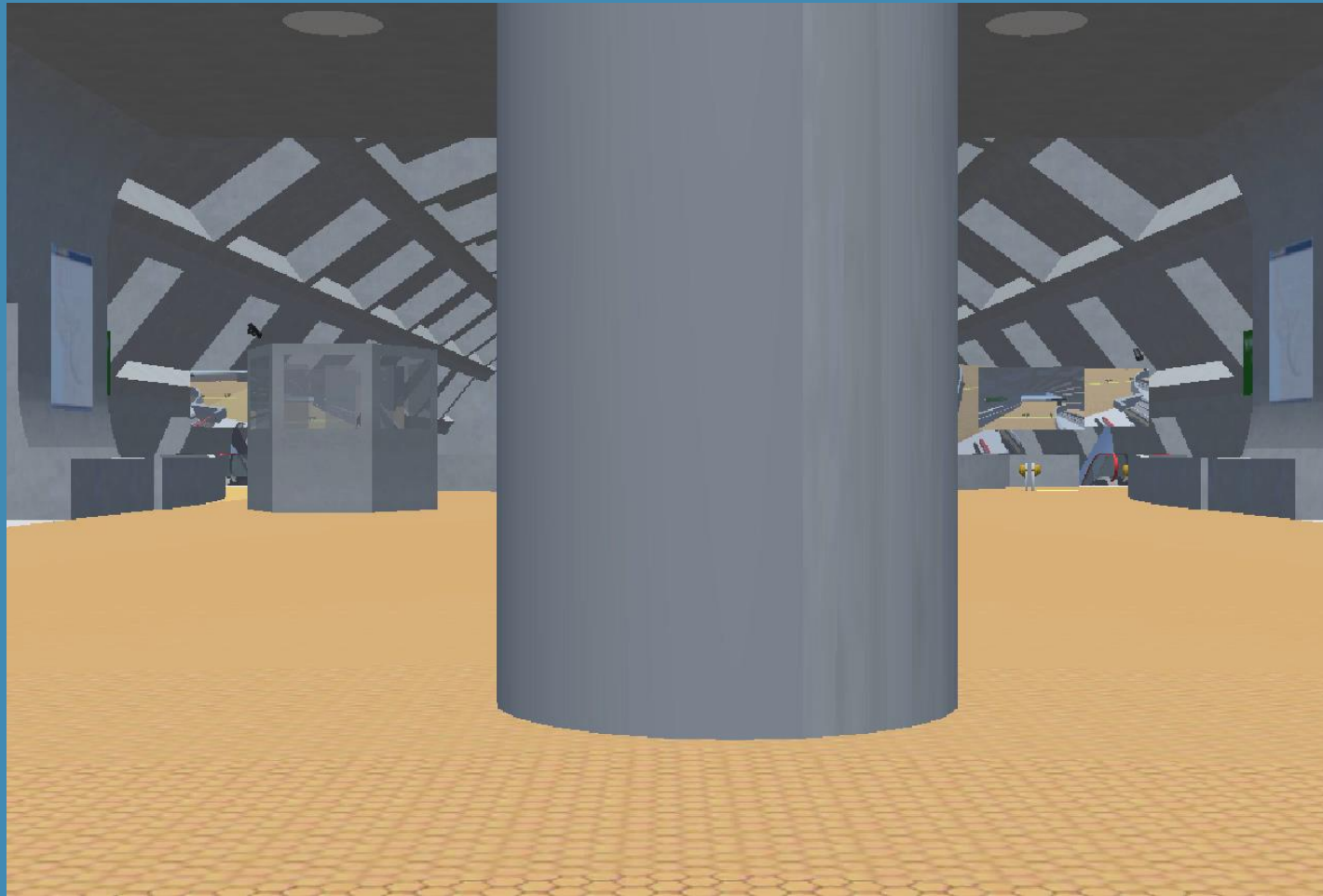 - Design implications

- Next steps

OUR IDEA

HOW TO SIMULATE OUR IDEA

PROTOTYPE

CRITICAL TASKS

- Use monitors in the Metro station next to the validation zone displaying the customers and their validation status

- Simulate the interaction with Metro validation system

FORMATIVE USER STUDY

- <u>Technique:</u> Think aloud

- <u>Research Questions:</u>

  - Were the colored boxes noticed? Did the user understand their meaning?

  - Understand the users' difficulties.

FORMATIVE USER STUDY - INTRO

- You are inside a Metro station. There's other customers in the station but they don't move.

Tasks:

We'd like you to go and try to catch the metro and tell us everything you do while using this prototype.

If the user don't buy the ticket, after he reach the metro:

We say to go back and grab a ticket from the ticket machine and catch a metro again

USER STUDY

ANALYSIS OF RESULTS

Didn't notice the screens	(red)
Didn't understand perfectly the meaning of the boxes	(red)
Lack of Metro info	(yellow)
Read and understand the signals	(green)

(red)	Critical to change
(yellow)	Need to change, but not critical
(green)	Good

DESIGN IMPLICATIONS

- Change the screens:
  - Position
  - Size

- Try different styles of customer validation status on the screen

- Put more info in the station,:
  - Signs
  - Destination indications

NEXT STEPS

For the final prototype

- Besides the design implications changes, for the final prototype we will:
  - Animate the other customers in the station.

FUNCTIONAL PROTOTYPE

Thank you!

Questions?