

Design for Train Travels

Garry Lasamahu
Studio Orange
Exploring Interactions 2016-2017





Design Goal

Give train travelers a sense of having a personal space, while sitting next to a stranger in a crowded Dutch intercity train, during rush hour in the late afternoon

Qualities of interaction

Secure and respectful



To provide passengers with a sense of having a personal space, they have to become more aware of the space they already have while seated



Main insight cycle 2

Two people sitting next to each other become more aware of both their areas if:

- They have something shared together*
- There is existence of a boundary*



Design Goal

Give train travelers a sense of having a personal space, while sitting next to a stranger in a crowded Dutch intercity train, during rush hour in the late afternoon

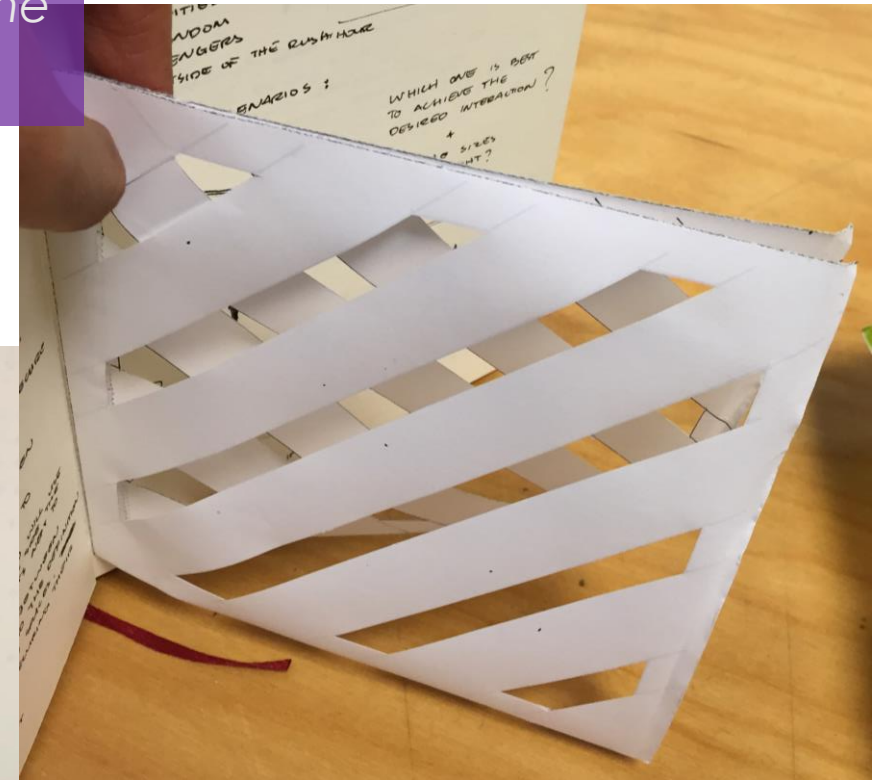
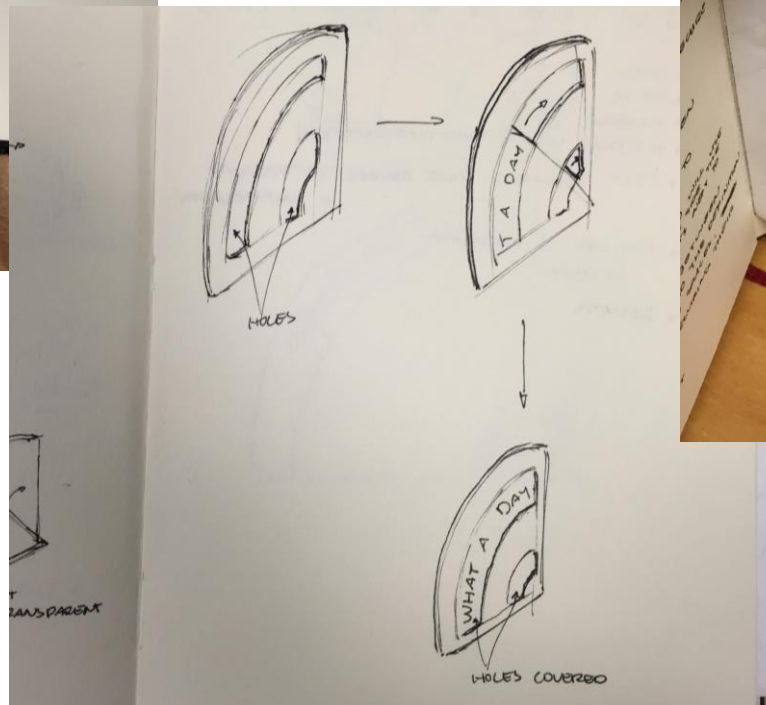
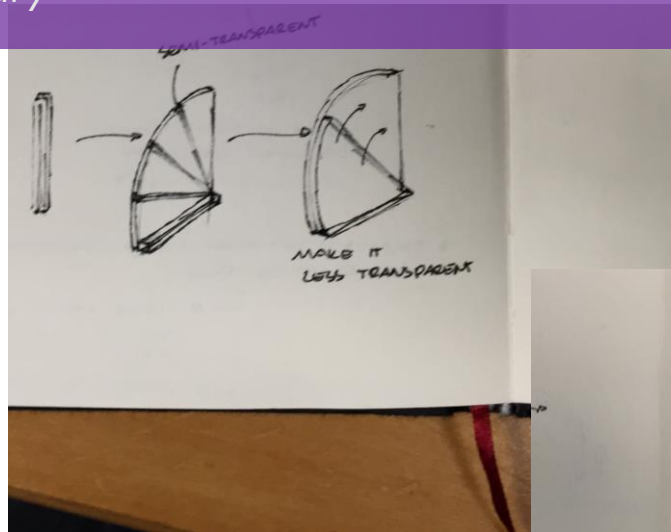
Qualities of interaction

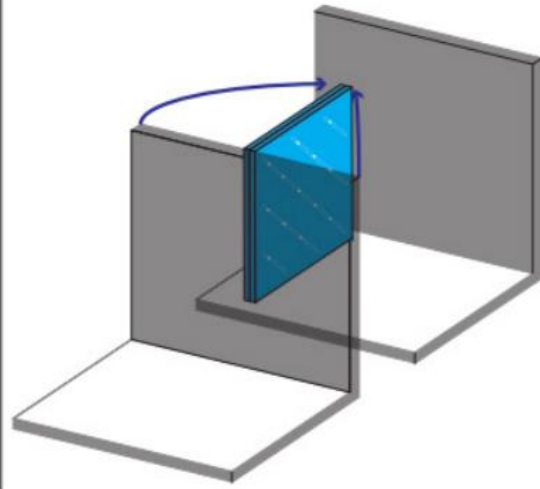
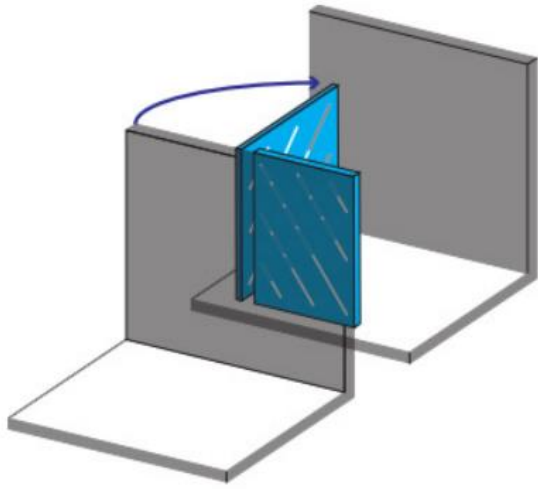
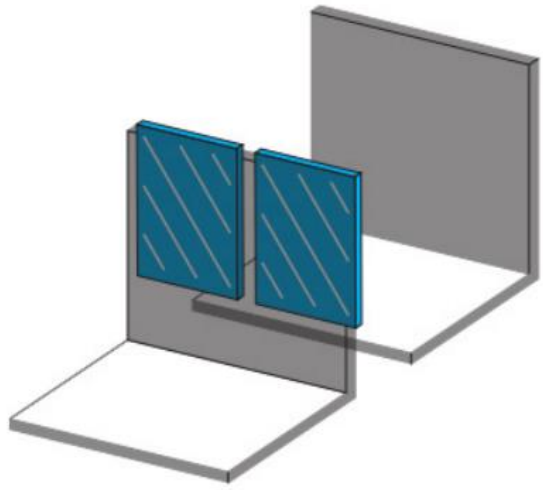
Secure and respectful

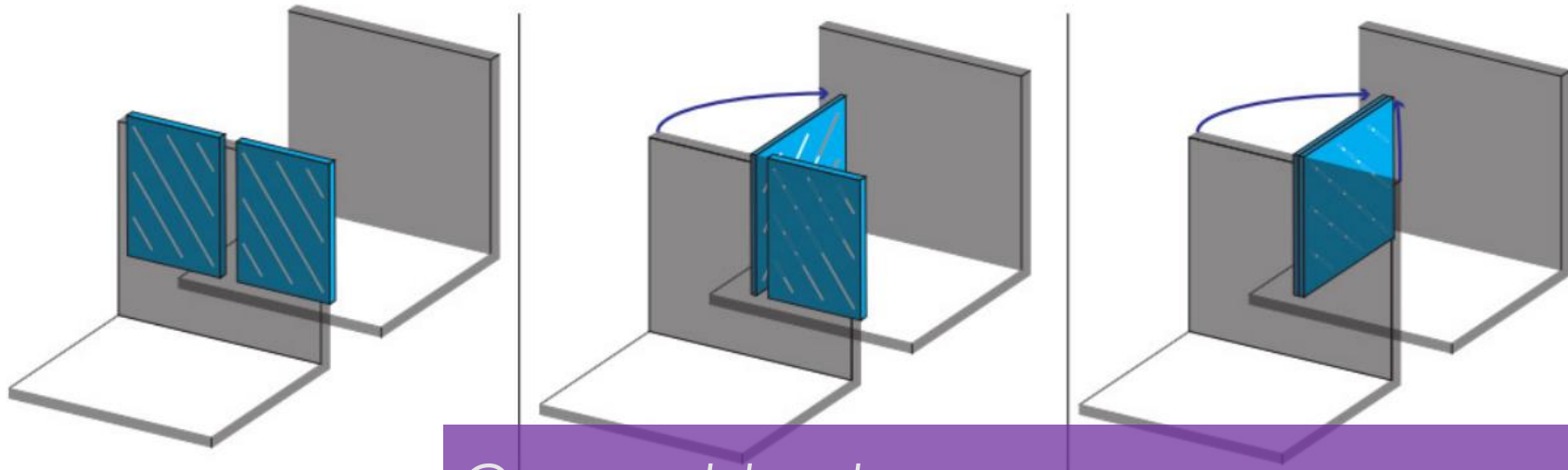
So, what else can be shared??

Idea

Let the two passengers share influence to the function of the boundary

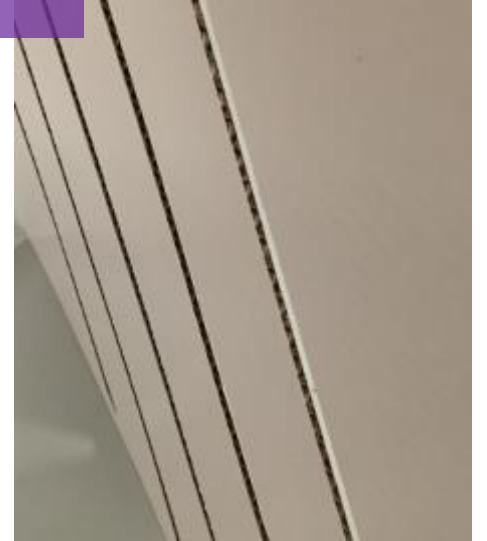


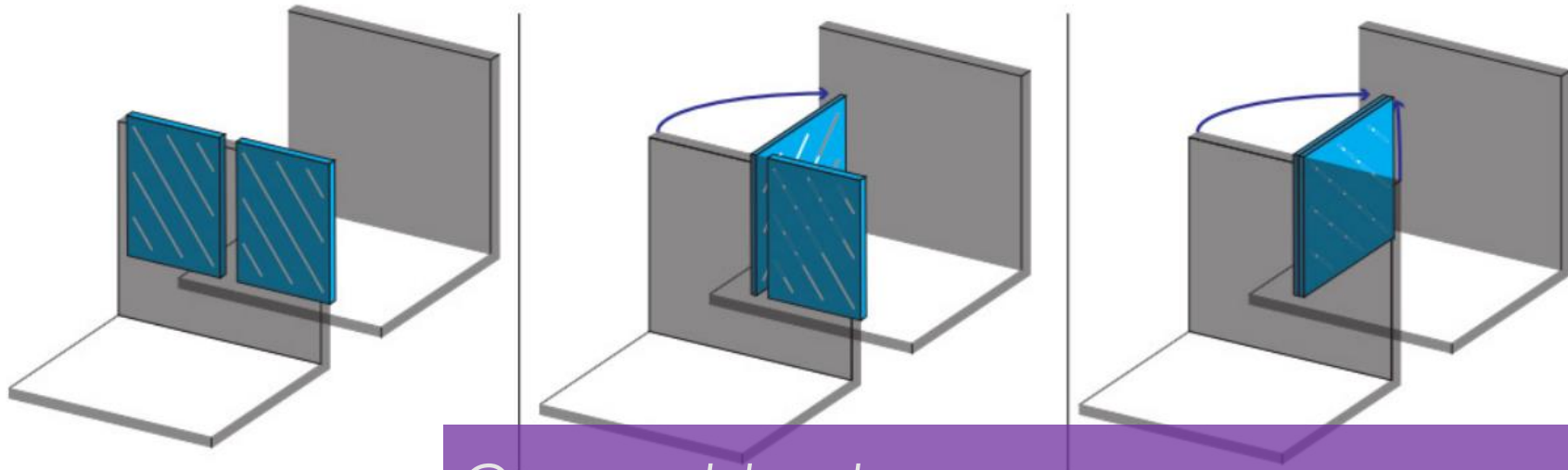




One problem!

What if the one passenger does not open the screen on his/her side, while the other wishes to???

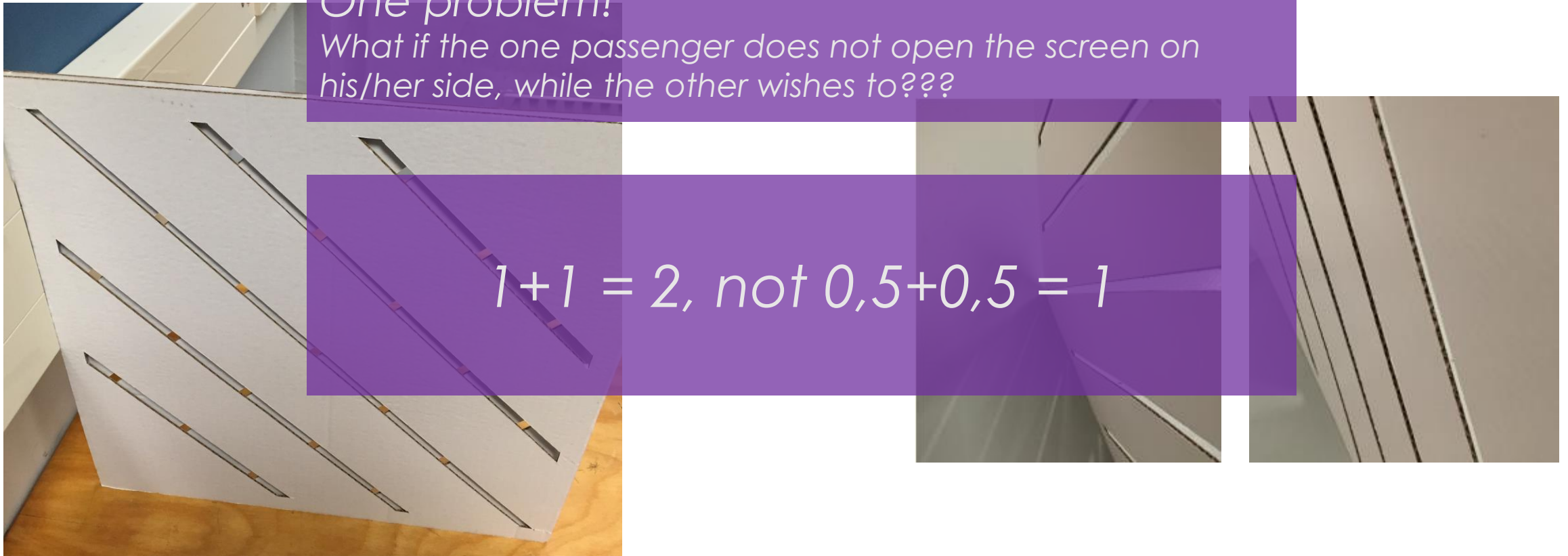


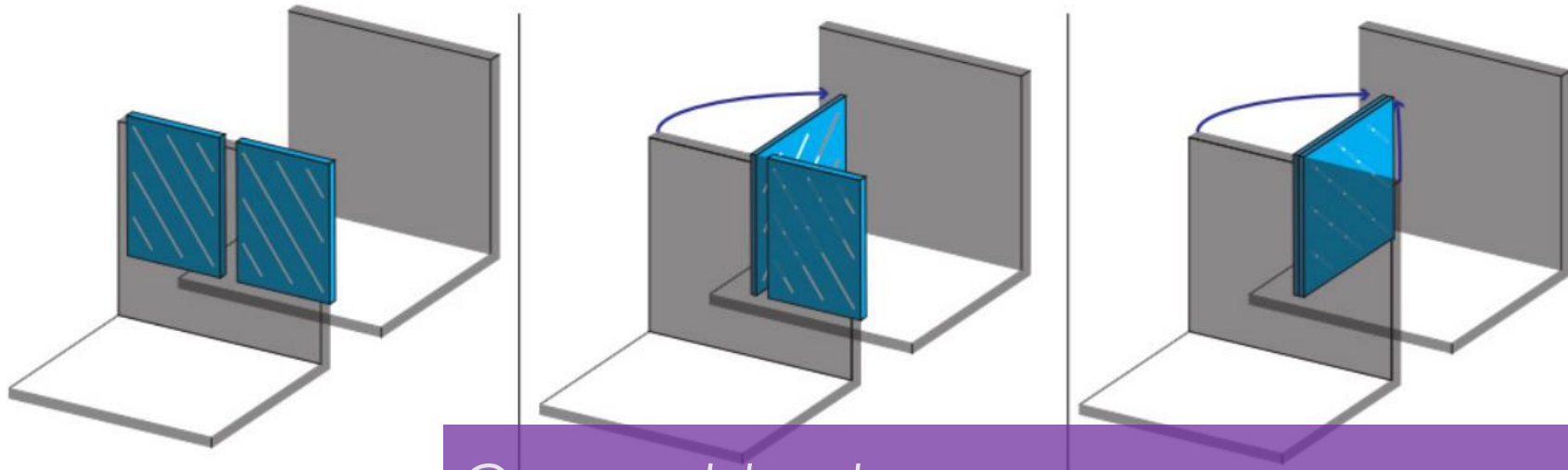


One problem!

What if the one passenger does not open the screen on his/her side, while the other wishes to???

$$1+1 = 2, \text{ not } 0,5+0,5 = 1$$



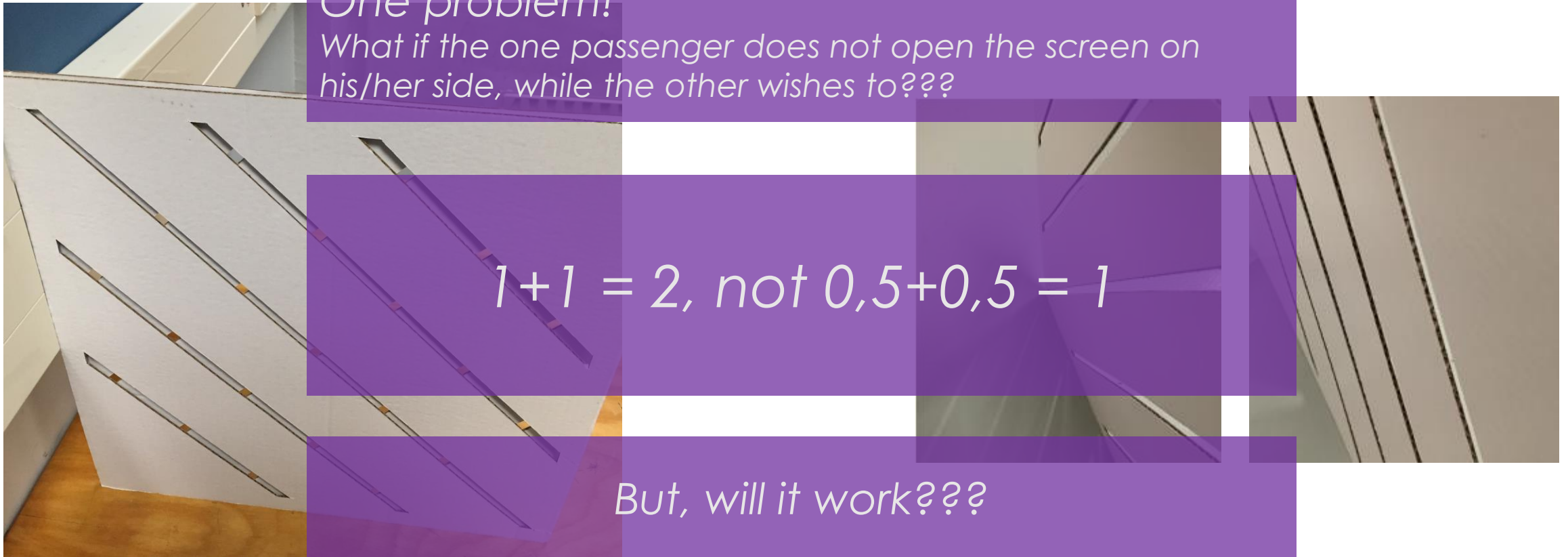


One problem!

What if the one passenger does not open the screen on his/her side, while the other wishes to???



$$1+1 = 2, \text{ not } 0,5+0,5 = 1$$

But, will it work???







Two out of five participants thought the second screen did not add up anything to the function of the boundary



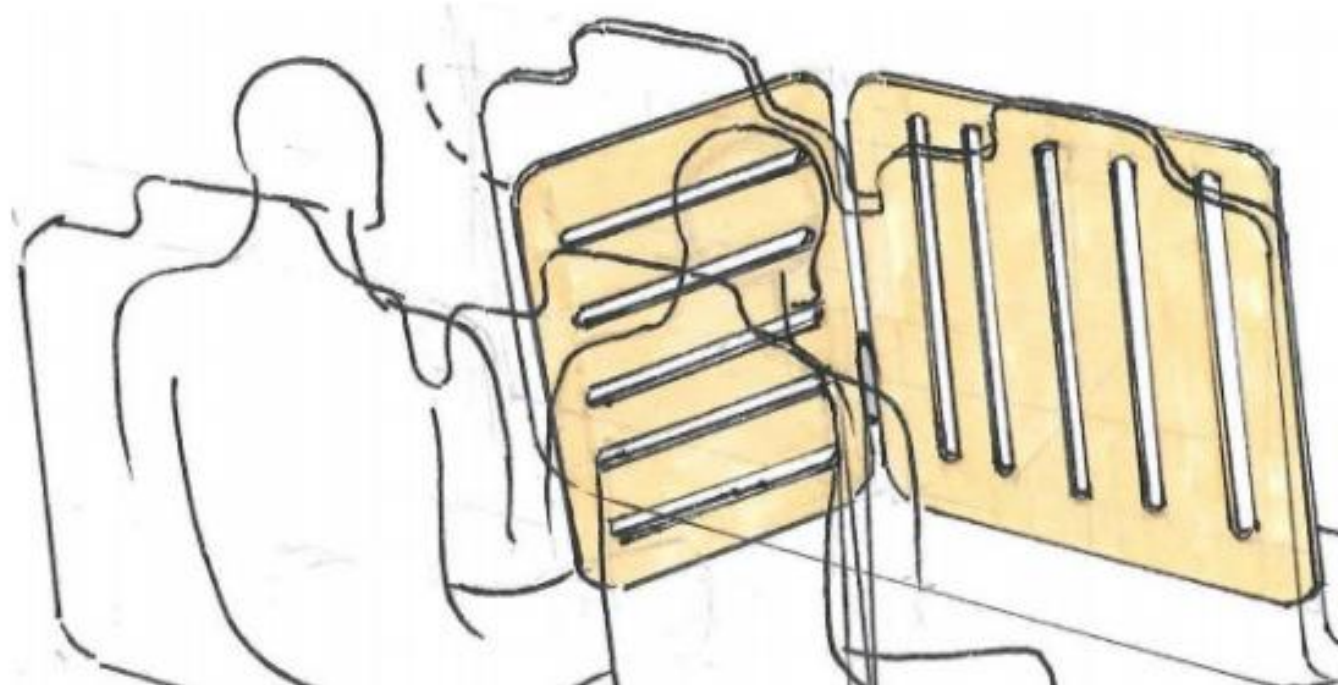
Two out of five participants thought the second screen did not add up anything to the function of the boundary

While the others appreciated it when the second screen was opened after the first



Two out of five participants thought the second screen did not add up anything to the function of the boundary

While the others appreciated it when the second screen was opened after the first

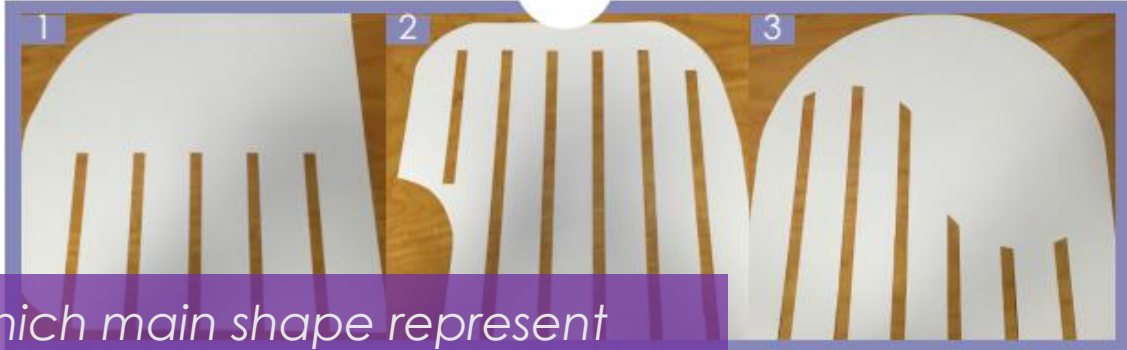




Maximize security, while minimizing confrontation



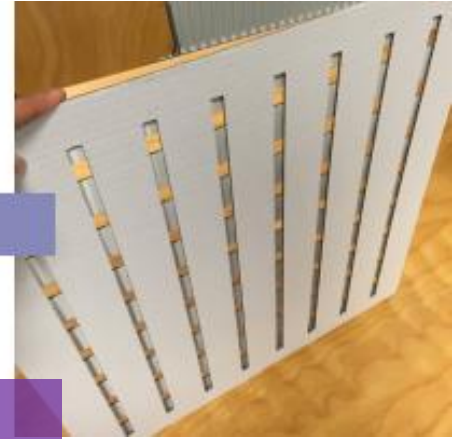
+



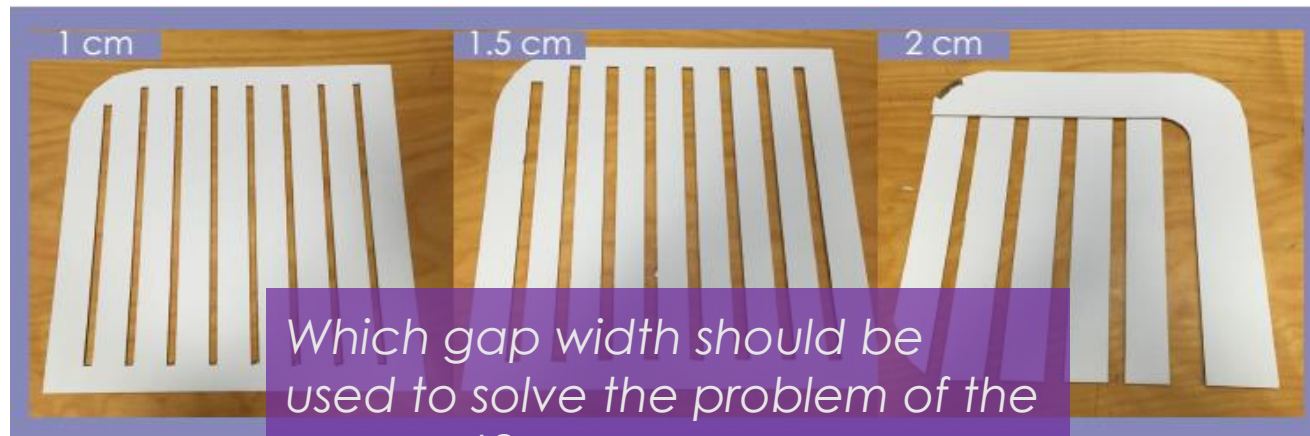
Which main shape represent
'1+1 = 2' the best?



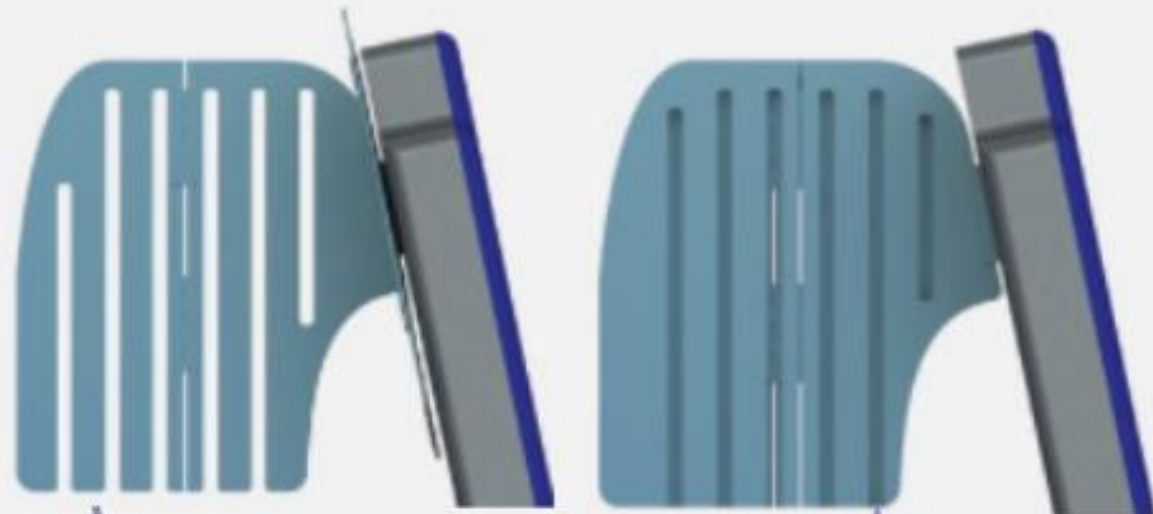
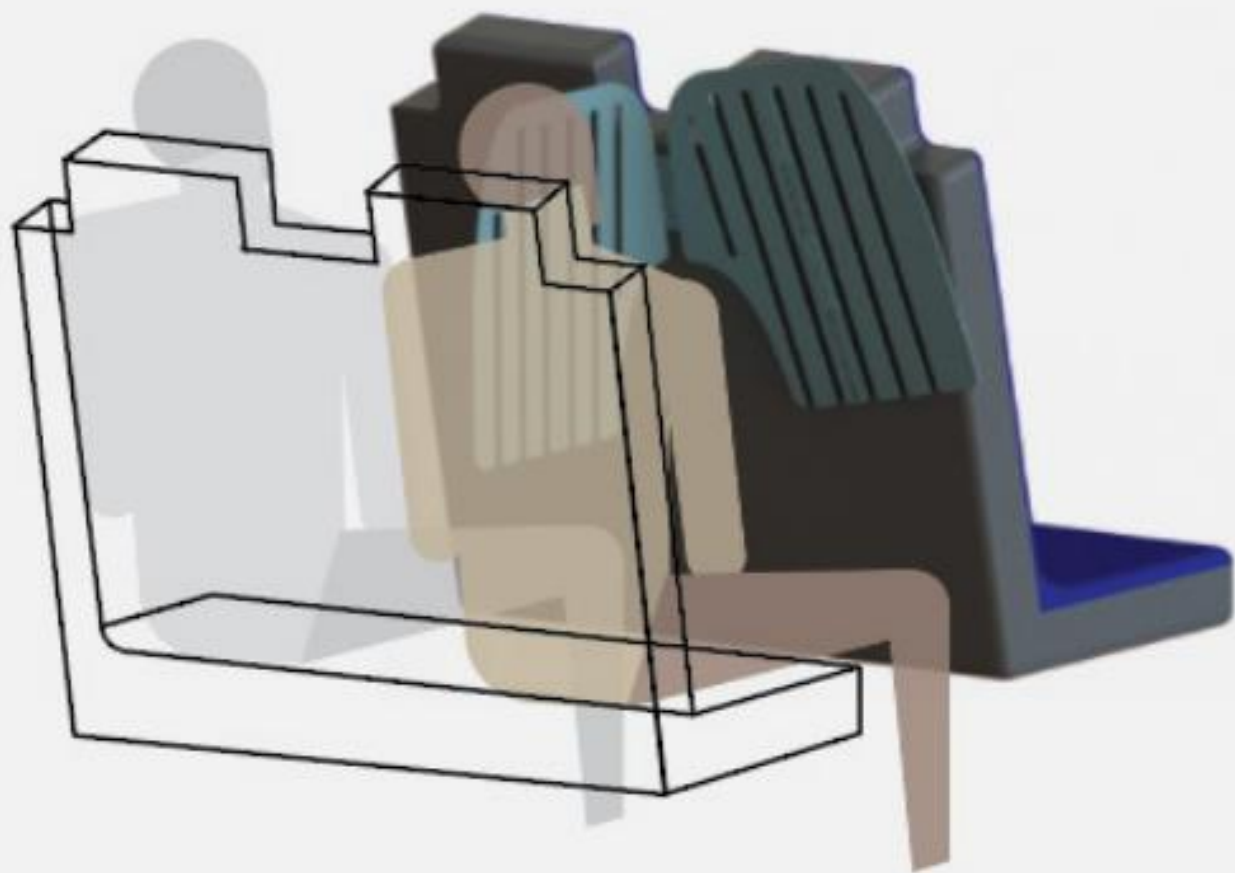
vs



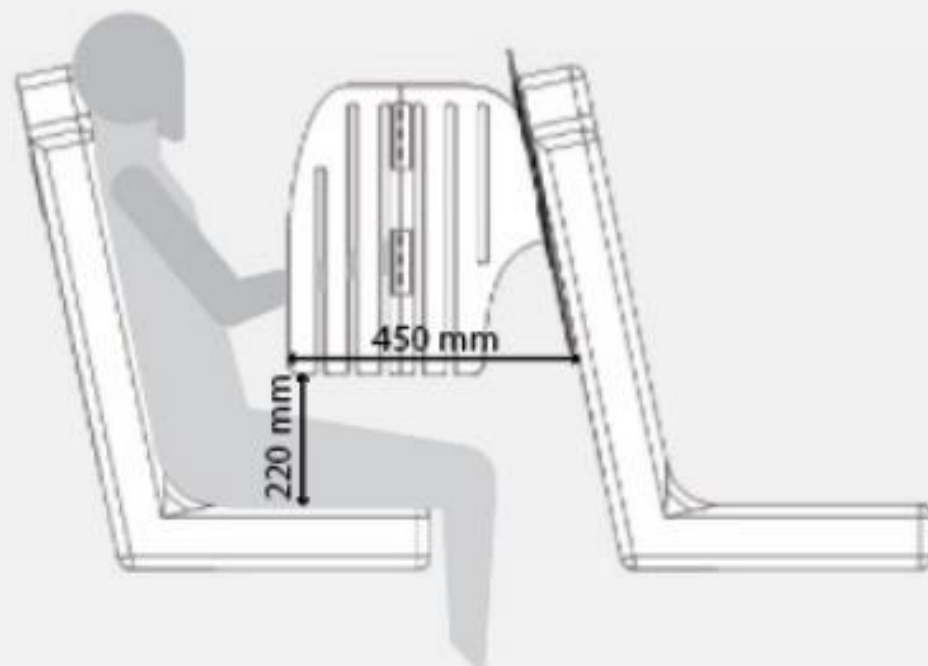
Should the transparency
decrease or disappear?



Which gap width should be
used to solve the problem of the
concept?



when both screens are flipped open, the transparency of one screen disappears

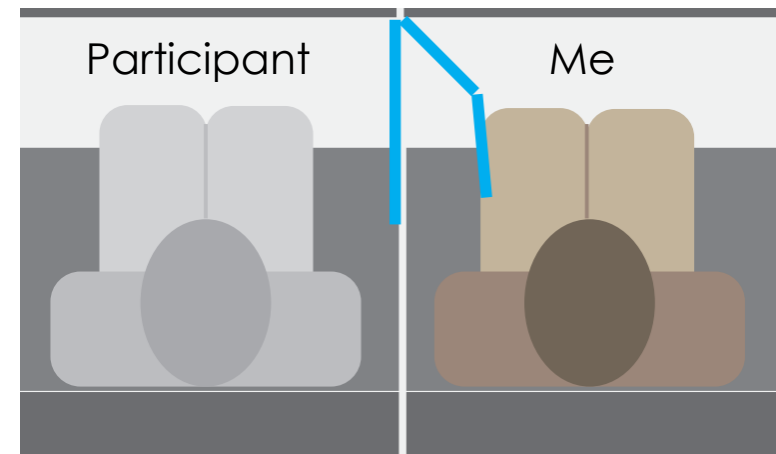


Do passengers feel secure after one screen is flipped open?

Do passengers feel more secure after the second screen is flipped open?

Is having the second screen flipped open be interpreted as a sign of respect?

Do passengers become more aware with the use of the screens?



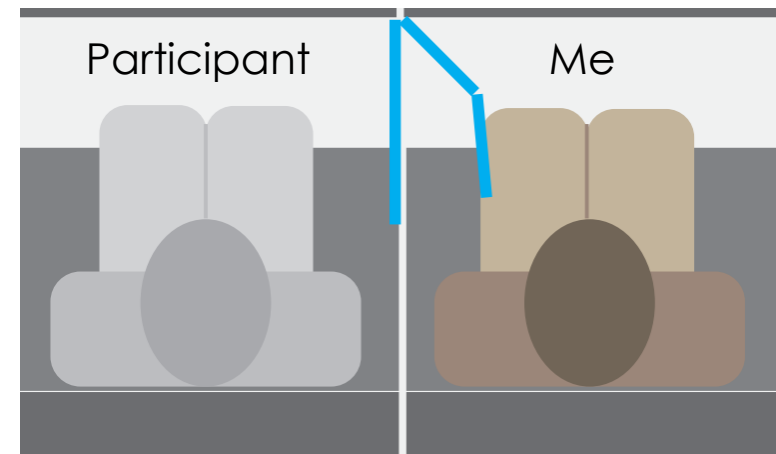
Do passengers feel secure after one screen is flipped open?

One screen is able to provide security, but the sizes should increase

Do passengers feel more secure after the second screen is flipped open?

Is having the second screen flipped open be interpreted as a sign of respect?

Do passengers become more aware with the use of the screens?



Do passengers feel secure after one screen is flipped open?

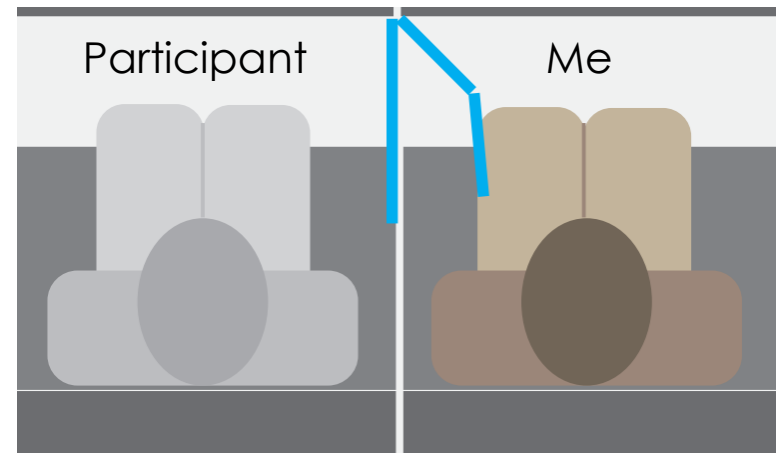
One screen is able to provide security, but the sizes should increase

Do passengers feel more secure after the second screen is flipped open?

The addition of the second screen did increase security, but for the one on the aisle side, it might still not be enough

Is having the second screen flipped open be interpreted as a sign of respect?

Do passengers become more aware with the use of the screens?



Do passengers feel secure after one screen is flipped open?

One screen is able to provide security, but the sizes should increase

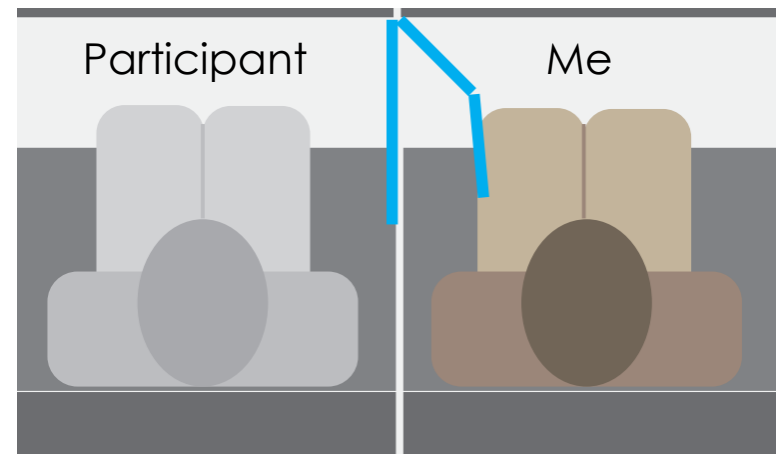
Do passengers feel more secure after the second screen is flipped open?

The addition of the second screen did increase security, but for the one on the aisle side, it might still not be enough

Is having the second screen flipped open be interpreted as a sign of respect?

The concept might be able to create a respectful way of interaction, but more research in the actual context is needed

Do passengers become more aware with the use of the screens?



Do passengers feel secure after one screen is flipped open?

One screen is able to provide security, but the sizes should increase

Do passengers feel more secure after the second screen is flipped open?

The addition of the second screen did increase security, but for the one on the aisle side, it might still not be enough

Is having the second screen flipped open be interpreted as a sign of respect?

The concept might be able to create a respectful way of interaction, but more research in the actual context is needed

Do passengers become more aware with the use of the screens?

Awareness was increased, but for the aisle side it was still not enough

