



What is a prototype?

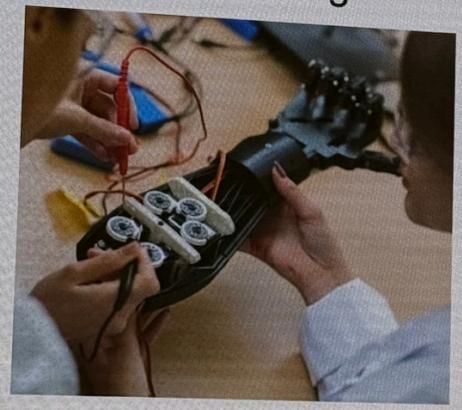
The word originates from the Greek *prōtotupos*, meaning "first example."



EARLY IN THE MORNING, BUT ALREADY ABOUT PROTOTYPING !...

What is a prototype?

Prototypes are different in different industries and serve different purposes

Industrial design	Engineering
	
Form and geometry	Function and performance

Source: Jensen, L. S. (2016). PROTOTYPES IN ENGINEERING DESIGN: DEFINITIONS AND STRATEGIES. INTERNATIONAL DESIGN CONFERENCE - DESIGN 2016

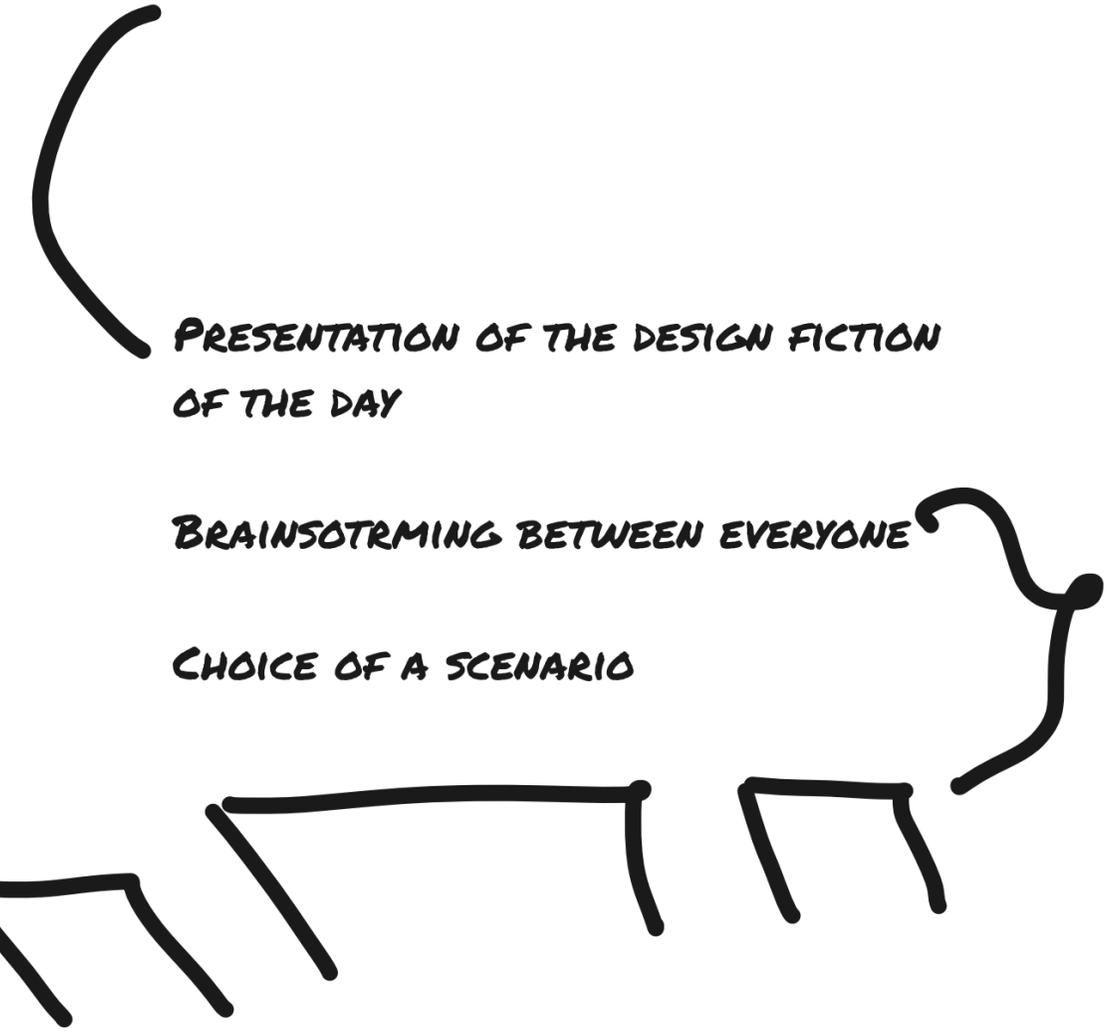
From Theory to Imagination: Why Design Fiction ?

It's not about predicting the future, but about opening debate on what kind of future we want.

Design fiction is a speculative design method that allows us to:

- Envision and explore **alternative futures** for hybrid collaboration.
- Combine **narrative prototyping** and **fictional artifacts** to imagine "what could be."
- Test **possible scenarios** and reflect on their emotional, social, and collaborative implications.

⁶ Sanders et Stappers, 2014



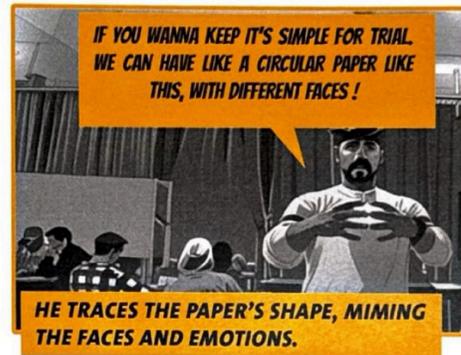
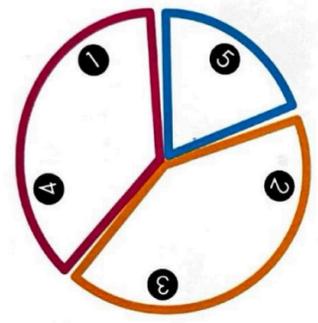
WHAT IF, IN 2030, A SCATTERED TEAM OF FIVE STUDENTS CREATED A PROTOTYPE OF AN EMOTIONAL ROBOT WITHOUT EVER PHYSICALLY MEETING...

WHAT IF, EVEN FROM A DISTANCE, BUILDING THE ROBOT PROTOTYPE FELT LIKE SHAPING IT SIDE BY SIDE — OUR GESTURES OVERLAPPING IN THE SAME SHARED SPACE?



STUDENTS ARE DISPERSED ACROSS THREE DIFFERENT PHYSICAL LOCATIONS.

THEY BEGIN TO EXPERIMENT WITH HOW THE ROBOT PROTOTYPE COULD BE PHYSICALLY CONSTRUCTED, MAKING THEIR IDEAS TANGIBLE.



THEY EXPLORE THE MATERIALS AVAILABLE IN EACH OF THEIR WORKSPACES.



AH, OKAY. OH YEAH, AT LEAST IT'S SQUARE !

YEAH, I THINK, IT'S ACTUALLY BETTER BECAUSE YOU COULD JUST CUT IT AND PUT IT ON.

OUR SCENARIO <3

Scenario 2:

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Digital post-its displaying

plan / map of what is possible

o please, Marc, open drawer no. 2. can this match the need?

10k project → 10k But v.1.2.3

Define the rules of working together

How can I keep this "hand" prime of my prototype

I was bored so I worked on the eye... do you want to see it!

oh god! I'll be back in the afternoon! This exact session!

Displaying tasks

Do other ways to interact with this?

With prototype parts the last version?

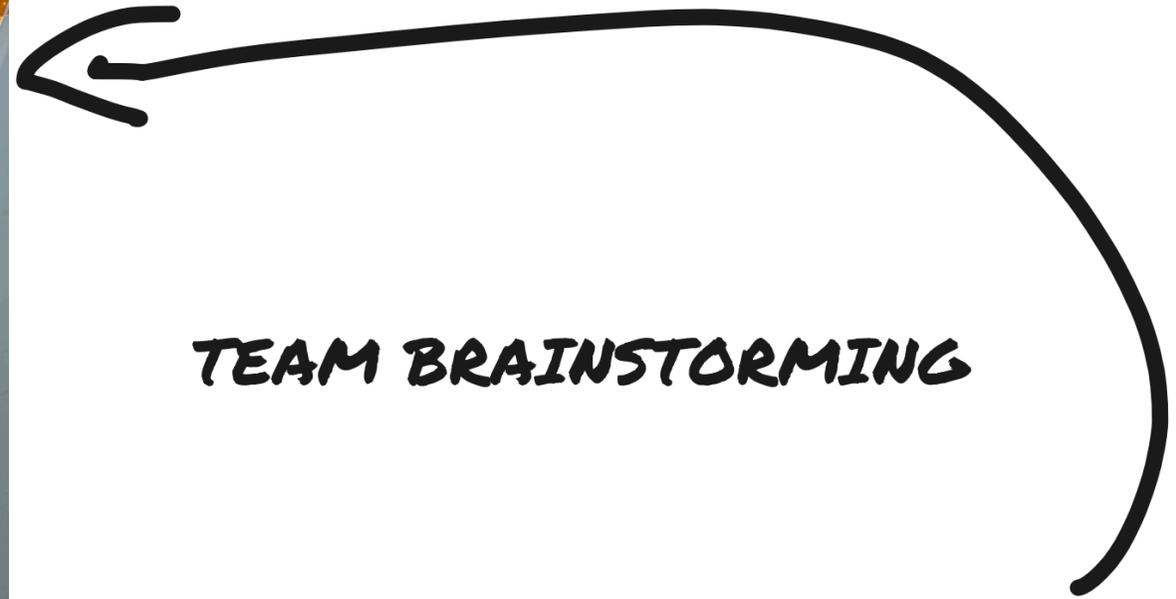
THE MATERIAL NEED IS VERY IMPORTANT. HOW TO TRY IT?

INVENTORY

What if the 3 buttons of the contract is the key to making a robot - learn this the distance and try the first step

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IDEAS OF PEOPLE (THANKS)



TEAM BRAINSTORMING

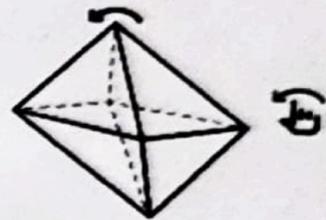
+ GATHERING IDEAS BY THEMES

REMOTE MANIPULATION AND TANGIBLE CONTRIBUTION

PHYSICAL AND DIGITAL INTERACTION

This domain explores tools and spaces for interacting with physical and digital objects. It examines how interaction zones are set; how physical and digital dimensions connect in hybrid work. Flexibility and remote interaction are essential to create inclusive, engaging experiences for participants.

- Enable remote participants to manipulate physical objects virtually.



<https://www.unige.ch/designfiction2025>

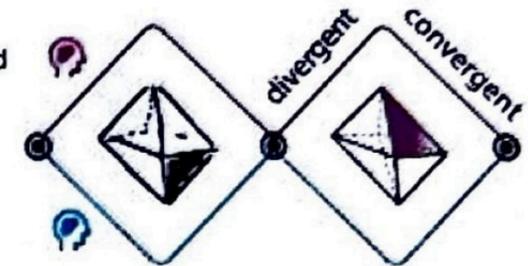
THE CARDS HELPED US BUT WE COULD NOT CLASS EVERY IDEA (IT'S A MIX)

SYNCHRONIZATION AND SHARED ATTENTION

CONVERGENCE OF PERSPECTIVES AND COORDINATION

Convergence of perspectives and coordination strengthen collaboration by enhancing mutual understanding, synchronizing actions, and sharing attention, especially in hybrid or remote contexts.

- Enhances synchronization of actions and shared attention, ensuring consistent interaction and fluid distribution of roles. & One participant stressed the importance of synchronization for effective collaborative working.



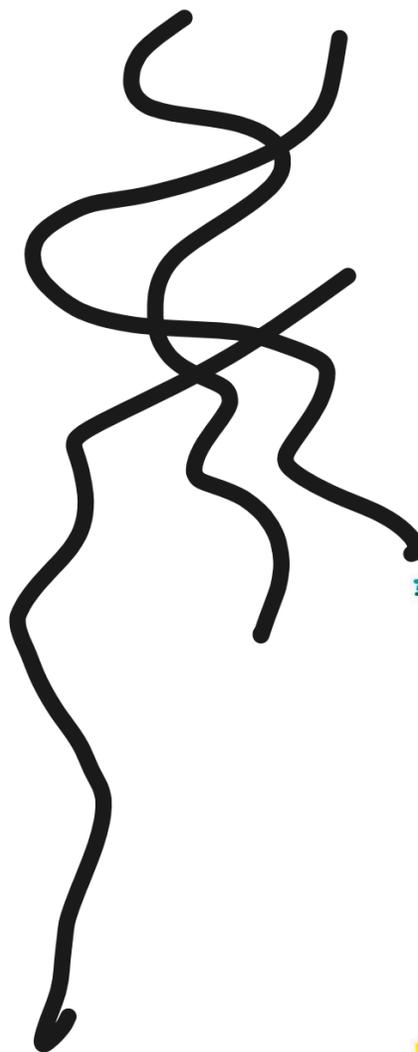
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LINKED CARDS



CONVERGING STEP IS HARD

WE DO NOT AGREE ON IDEAS

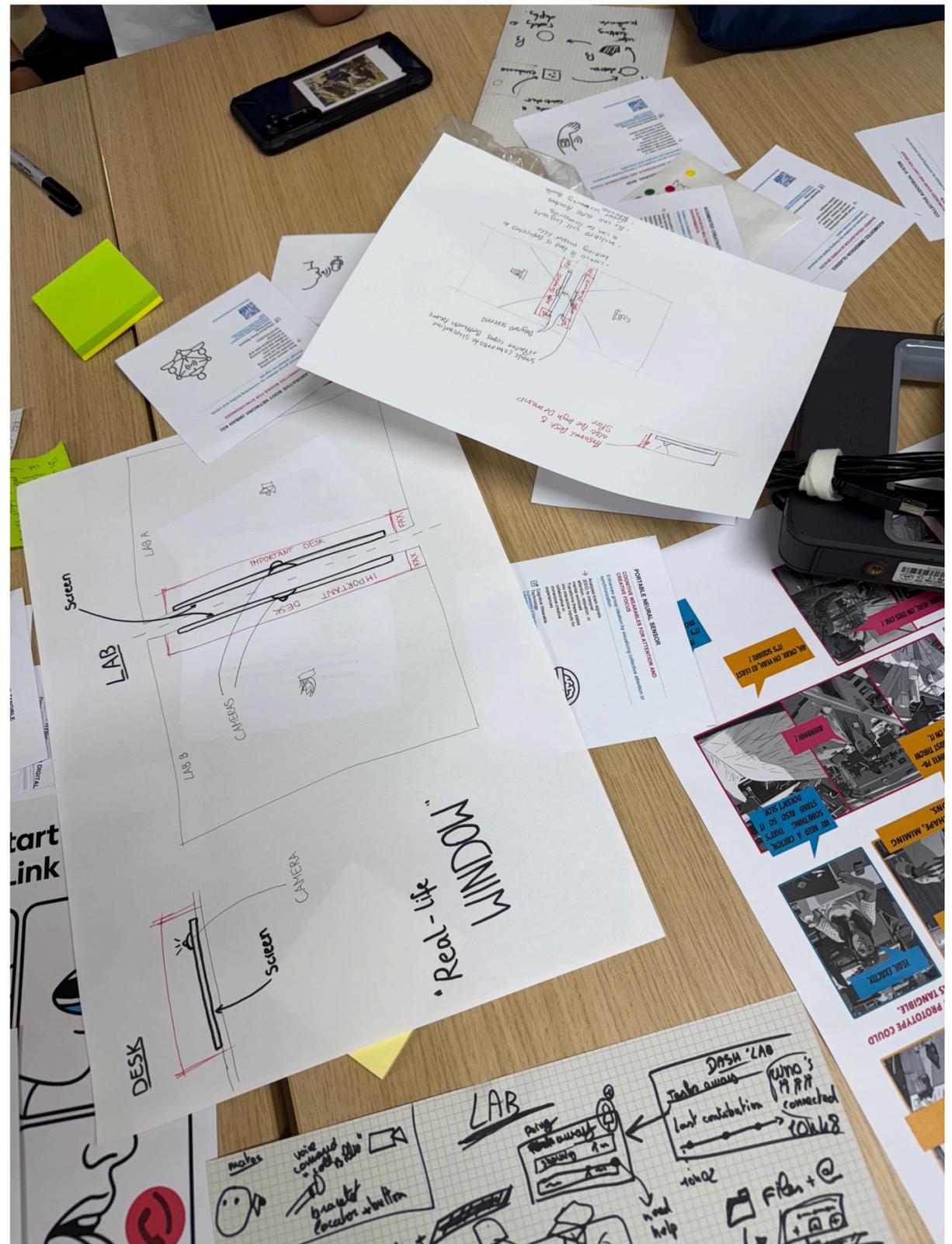
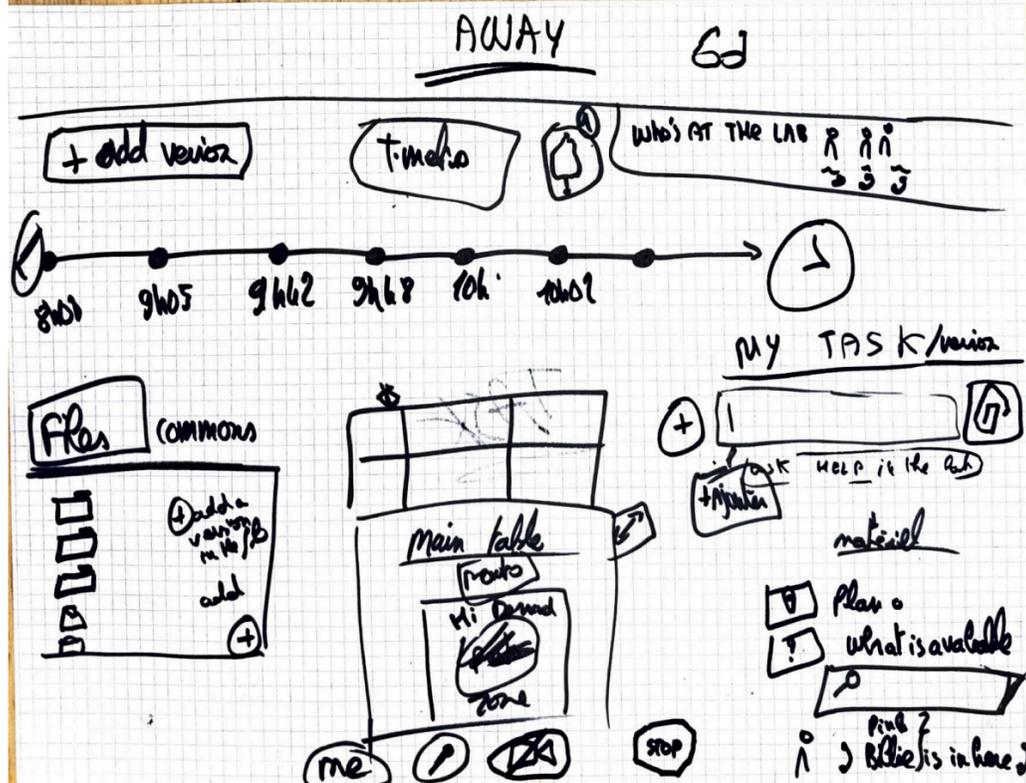


LET'S KEEP ALL THE IDEAS!



HOPEFULLY WE HAVE COFFEE

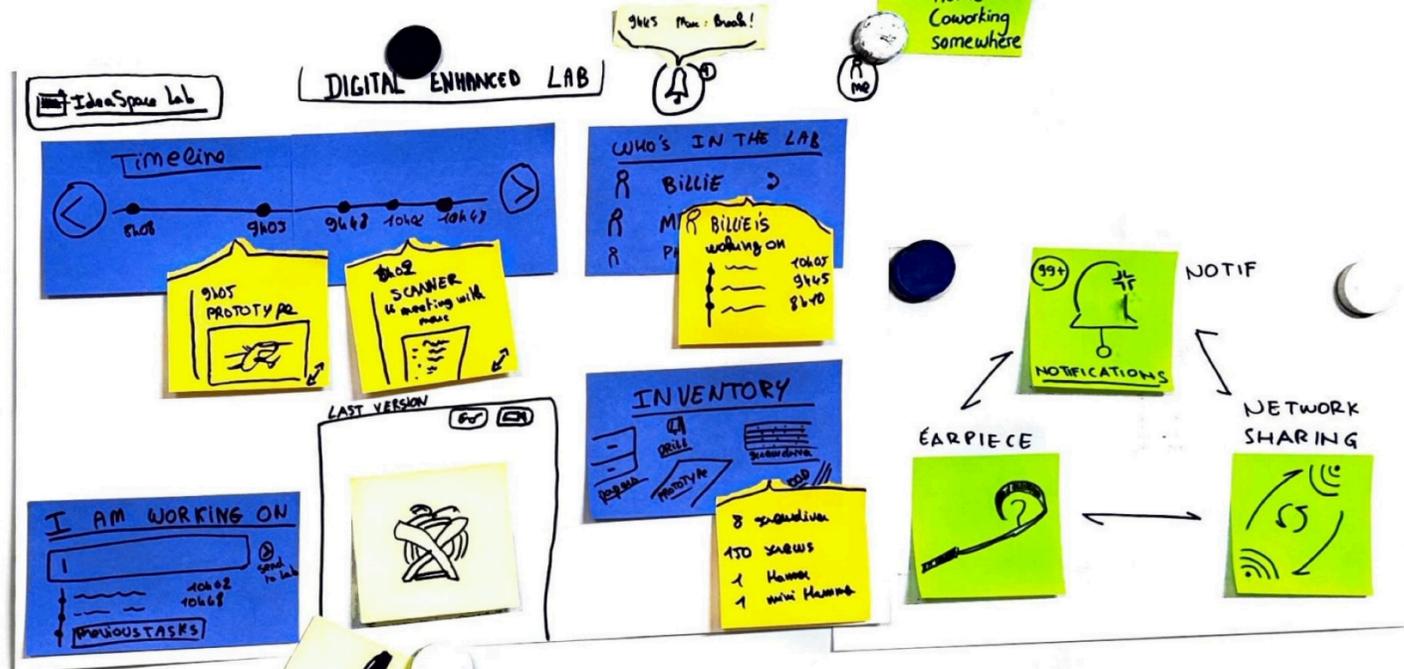
DRAFT OF PROTOTYPE



FINALLY !...

LAB

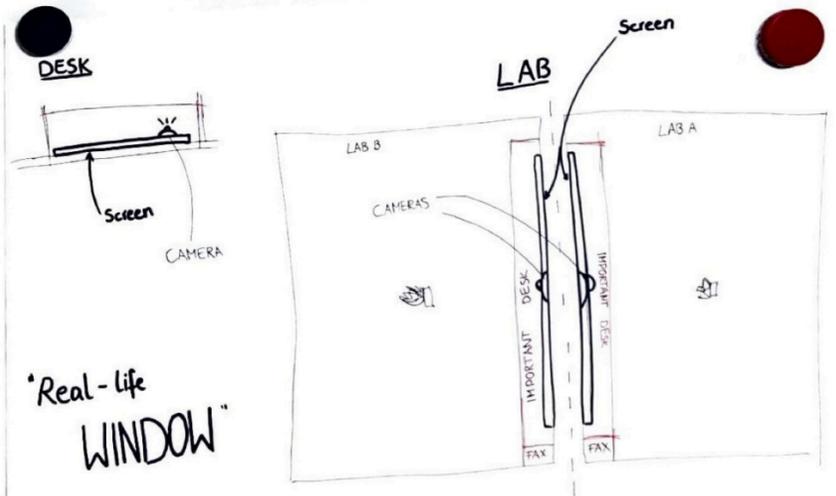
AWAY
Home
Coworking
somewhere



Concept: Procto Pal (Full prototype Suite)
AR Glasses

Procto Pal Platform

+ "Central" Scanner
(Scan the prototype in the "procto room")



'Real-life WINDOW'



THE RESULT :

DIGITAL ENHANCED LAB

RESUME : LORRAINE TOSI DESIGNER UX, QYALL.FR

