



HCI2-TA5

FINAL PROJECT

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HCI2 - TA5



Project Settings

SITUATIONS

Family visit

DEVICES

Large screen tablet

USERS

Visitors

TASK

Arrange visit



Device design

POSITION

Hospital entrance, waiting areas, corridors

DEVICES

Large interactive tablet in a glass isolation room

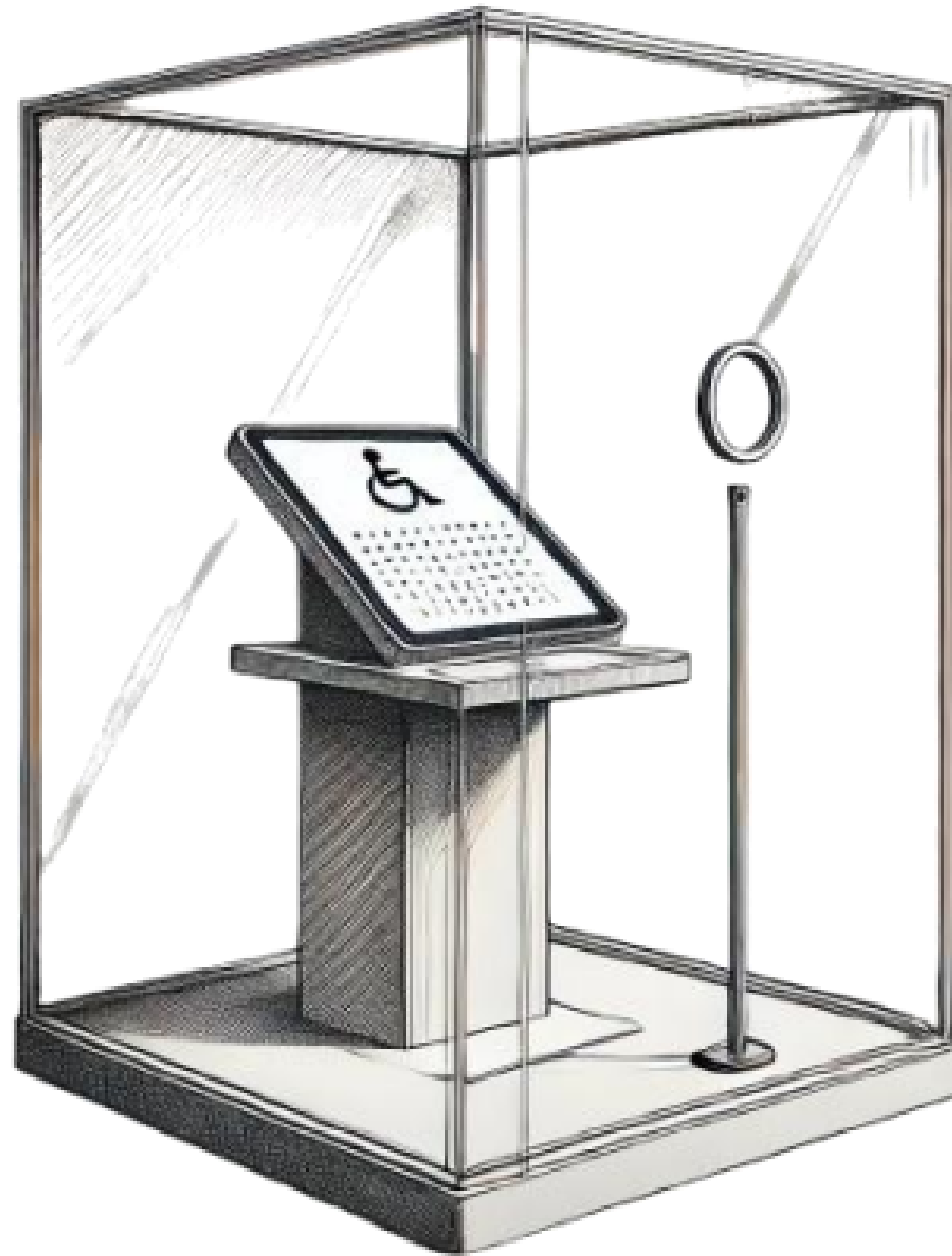
PURPOSE

Scheduling visit with patients



Cases scenarios

John Doe - no specific disabilities



EN ▼

Enter the patient's name:



Cases scenarios

John Doe - no specific disabilities

Please select a Free time: EN ▼

October >

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	7	8	9	10	11	12	13
8am							
9am				Rehabilitation			
10am	Operation						
11am							
12pm							
1pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	
2pm							
3pm							
4pm		Rehabilitation	Rehabilitation		Rehabilitation	Rehabilitation	
5pm							
6pm							
7pm							

The user can change the month by clicking on the arrow next to it, or by swiping left and right with two fingers on the screen.

It is also possible to change the week by swiping left or right with one finger anywhere on the screen.

Please select a Free time: EN ▼

October >

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Using Fingers to zoom out the calendar to see all the days in a month. Zoom in to show the desired week.



Cases scenarios

John Doe - no specific disabilities

Please select a Free time:

EN ▼

October >

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
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8am							
9am							
10am	Operation			Rehabilitation			
11am							
12pm							
1pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	
2pm							
3pm							
4pm		Rehabilitation	Rehabilitation		Rehabilitation	Rehabilitation	
5pm							
6pm							
7pm							


They can also drag and drop on the slots of a day to select a longer time visit.

Please select a Free time:

EN ▼

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	7	8	9	10	11	12	13
8am							
9am							
10am	Operation			Rehabilitation			
11am							
12pm							
1pm	Lunch	Lunch	Lunch	Lunch			
2pm							
3pm							
4pm		Rehabilitation	Rehabilitation				
5pm							
6pm							
7pm							

The user can change the time /duration of the visit by pressing the

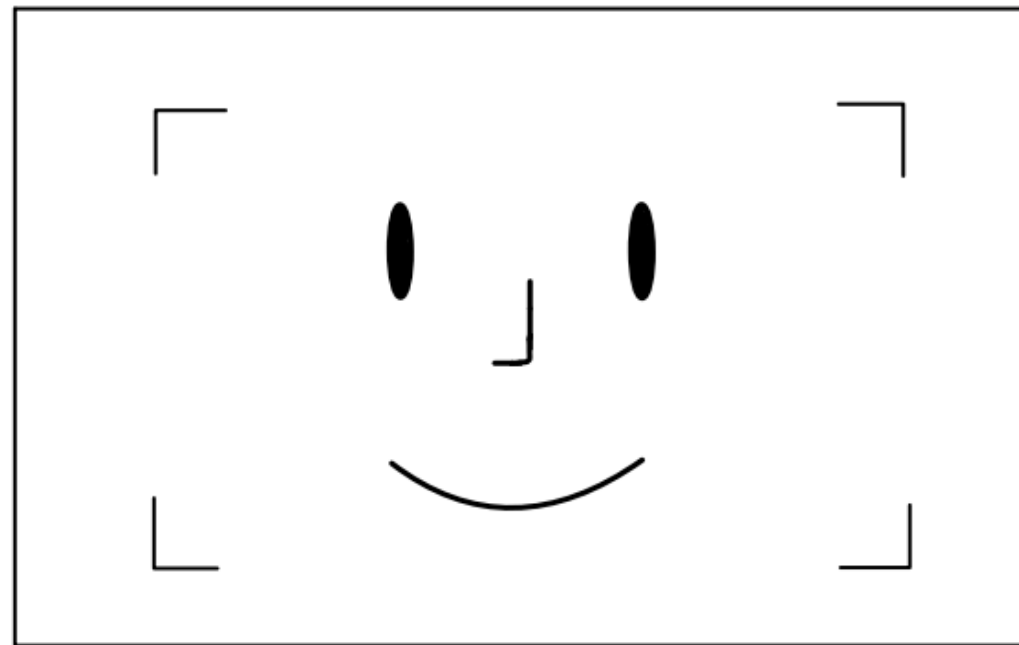
 icon.



Cases scenarios

John Doe - no specific disabilities

Please put your face in the frame with your ID next to it for verification:



A camera allows to check the visitor identity.

Please fill in the form.

First name:

Family name:

Date of Birth:

Sex:

Phone number:

Place of Birth:

email address:

How are you related to the patient?

Confirm

Informations are already entered because of the verification step, except for the phone number and the

email address which can be filled with a virtual keyboard that opens up on click.



Cases scenarios

John Doe - no specific disabilities

Summary

Patient's name : ...

Visitor's name : ...

Date : ...

Time : ...

Room : ...

Phone number : ...

email address : ...



Show this QR code
the day of the visit to
the front desk.



Cases scenarios

Michel Bouchard - disabilities



Enter the patient's name

...

Confirm

EN

- English (English)
- Français (French)
- Español (Spanish)
- Tiếng Việt (Vietnamese)

A menu allows users
to choose the system's
language



Cases scenarios

Michel Bouchard - disabilities

AI Hologram



**Braille text to
activate blind
mode (speech
to text etc...)**



It can :

- Understand sign in every sign language
- Sign
- Understand vocal request
- Speak and read the instructions

Related functionalities :

- Gesture recognition
- Sign
- Speech to text
- Text to speech



Cases scenarios

Extra functionalities/Staff mode

- Physical help button to ask help of a staff member
 - Seat for people who can't get up
 - Notification by email and message
 - The patient has the option to refuse the visit
-
- Staff and doctor can add and block some timetable slots (staff appointment can cancel visit)
 - Rearrange visit and notify the visitor
 - See all the patient name list



To conclude

Interactions :

- Picking
- Drag
- Touch
- Gesture
- Camera recognition
- Text to speech
- Speech to text

We tried to be as **inclusive** as possible to take into account a certain number of **disabilities**. Obviously we can't adapt to everyone but we tried to do our best by adding as many **modes of interaction** as possible to allow everyone to be able to **arrange a visit on their own**.