

Date: 20/6/2022

Participant no: 3

1. Please write down your: Age 24 Gender F Occupation: Student  
F-Female, M-Male

2. Have you participated in vision screening earlier (except for the obligatory screening at the age of 4-5)?

If no (mark with X) X

If yes, please describe when and how (e.g., 2020 at an optician because you wear glasses/lenses)

If yes, how many screenings have you been on in total (approximate with a number)?

3. Have you participated in vision training (training of your eyes) earlier?

If no (mark with X) X

If yes, please describe when and why

4. How often do you play computer games? Please mark the correct one

Every Day Weekly Monthly/Infrequently Never X

5. How often do you use any of the following?

Please select one option in each row

	Never	Some time in a year	Few times for month	Sometime weekly	Several times weekly
Games on mobile	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Games on computer	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
XR-ET	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

XR-ET = Virtual Reality, Simulations, Serious Games and Eye Tracking technologies

A. If you play computer games, please describe your favorite games:

Date: 20/6/2022

Participant no:

3

## Presence and performance for C&Look in VR

Please answer (by summarizing your opinions):

1. What is your first impression of the used product?

It was very well designed.

2. What is your first impression of using eye-tracking (ET) technologies?

- About calibration?

Very positive

- About utilizing ET?

Very positive

3. What is your first impression of the used games?

Well designed, easy to operate

4. What is your first impression of the used VR?

Well designed, easy to operate

5. About the usage in context

4.1. Would you use it to screen your eyes by professionals? Mark with X, if yes



Why or why not? .....

4.2. Would you use it by yourself?

Mark with X, if yes



Why or why not? .....

6. About the different games

6.1 Was the visibility for each game sufficient? If not, what was the issue? (e.g., too close, too far, too low, too high, the field of view, other)?

The Soccerball:

Sufficient

The basketball:

Sufficient

Reading:

Sufficient

6.2 Did being in a virtual 3D environment affect your enjoyment while playing the games?

How?

Yes, it made the experience better.

The following questionnaire consists of pairs of contrasting attributes that may apply to the product (technology and application).

The circles between the attributes represent gradations between the opposites. You can express your agreement with the attributes by ticking the circle (making a "x") that most closely reflects your impression.

Example:

Attractive	○	⊗	○	○	○	○	○	○	Unattractive
------------	---	---	---	---	---	---	---	---	--------------

This response would mean that you rate the application as more attractive than unattractive.

Please decide spontaneously.

Don't think too long about your decision to make sure that you convey your original impression. It is your personal opinion that counts. Please remember: there is no wrong or right answer!

**Observe! The comments are not ordered from bad to good or vice versa.**

8. Please assess your overall experience of the product by ticking one circle per line:

	1	2	3	4	5	6	7		
annoying	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Enjoyable	1
not understandable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Understandable	2
creative	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Dull	3
easy to learn	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	difficult to learn	4
valuable	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Inferior	5
boring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Exciting	6
not interesting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Interesting	7
unpredictable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Predictable	8
fast	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Slow	9
inventive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Conventional	10
obstructive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Supportive	11
good	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Bad	12
complicated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Easy	13
unlikable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Pleasing	14
usual	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	leading edge	15
unpleasant	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Pleasant	16
secure	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	not secure	17
motivating	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Demotivating	18
meets expectations	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	does not meet expectations	19
inefficient	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Efficient	20
clear	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Confusing	21
impractical	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Practical	22
organized	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cluttered	23
attractive	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Unattractive	24
friendly	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Unfriendly	25
conservative	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Innovative	26

Date: 20/6/2022

After C&Look on Laptops: Vision screening, vision training and technology use

Participant no:

3

Virtual Reality, Simulations, Serious Games and Eye-Tracking (XR-ET)

### Usefulness and UX after screening with C&Look on a Laptop

Please answer (by summarizing your opinions):

1. What is your first impression of the used product?

Very positive

2. What is your first impression of using eye-tracking (ET) technologies?

- About calibration?

Positive

- About utilizing ET?

Positive

3. What is your first impression of the used games?

They were easy to operate, well designed.

4. About the usage in context

4.1. Would you use it to screen your eyes by professionals? Mark with X, if yes

Why or why not? .....

4.2. Would you use it by yourself?

Mark with X, if yes

Why or why not? .....

5. Please summarize your opinions

5.1. Regarding the *functionality* of the technology (input, output, responsiveness)

Sufficient

5.2. Regarding *design* (colors, sizes, icons used, available information)

Sufficient

5.3. *Interaction* (possibilities to orient, navigate in the application or manipulate objects)

Sufficient

5.4. Other thoughts: .....

Date: 20/6/2022

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### Presence and performance for comparing C&Look on Laptop and in VR

Please think back to performing the tasks on the Laptop and VR.

1. Comparing with experiences while checking your eyes at a physical place, e.g., at an optician or a doctor's office, can you argue why (or why not) you would like to use a similar application on
  - a. Laptop

It is easier to understand and read the results.

- b. VR

It helps with focusing better so it's easier to use.

2. In which application did you find it easier to navigate? Laptop or VR? Why?

Laptop because it was more familiar for me to use

3. Compared to performing the tasks on a laptop, did the addition of depth in VR change your enjoyment/immersion? Why or why not?

Yes, it made the experience more pleasure and easy to use.

4. Were there any features from either application you felt were lacking from the other? If so, what?

No.

5. Please rate your overall experiences on calibration in each environment.

	Laptop								VR						
	Difficult						Very Easy		Difficult						Very Easy
	1	2	3	4	5	6	7		1	2	3	4	5	6	7
Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

6. Rate your experiences of using Laptop and VR on a scale of 1 to 7

Reading															
Eye tiredness	<table border="1"> <tr> <td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> <td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Move your eyes	<table border="1"> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Interact with environment	<table border="1"> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td> </tr> </table>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Follow instructions	<table border="1"> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td> </tr> </table>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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*Thank you for your participation!*