## **User Study Survey**

This survey studies the user experience of DiscPIM and AssistVR. Users use two object selection techniques to select a number of target objects under three different perplexity conditions. Upon completing all selection tasks with each technique, users fill out this form to share their user experience. All personal identifiable information will be removed in publications.

## **Demographic and General Questions**

Please answer the following questions. It is fine to leave a response blank if you would prefer not to provide an answer. The purpose of collecting demographic and experiential information is to provide future readers of any potential publication with a general understanding of the characteristics of our participant group.

All data will be anonymised and any references to the data will be done so that you are not identifiable.

1.	Participant ID	
2.	Sex	
	Mark only one oval.	
	Male	
	Female	
	Other:	
3.	Age	

	1	2	3	4	5				
Ver	y <u> </u>					Very Experier	nced		
∖re	you f	amili	ar wi	th sp	eecl	recognition	systems'	?	
Mark	only	one o	val.						
	1	2	3	4	5				
Ver	y 🔘					 Very Experier	nced		
	you a k only ) Yes ) No	one (		_	n sp	eaker?			
Do y	/ou h	ave a	any a	icces	sibil	ty needs?			

questions.

8.	What do you like about this technique?
9.	What do you dislike about this technique?
10.	Other open comments
11.	I think that I would like to use this system frequently.  Mark only one oval.
	1 2 3 4 5  Stro

12.	I found the system unnecessarily complex.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree
13.	I thought the system was easy to use.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree
	system.  Mark only one oval.  1 2 3 4 5
	Stro Strongly Agree
15.	I found the various functions in this system were well integrated.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree

16.	. I thought there was too much inconsistency in this system.			
	Mark only one oval.			
	1 2 3 4 5			
	Stro Strongly Agree			
17.	I would imagine that most people would learn to use this system very quickly.			
	Mark only one oval.			
	1 2 3 4 5			
	Stro Strongly Agree			
18.	I found the system very cumbersome to use.			
	Mark only one oval.			
	1 2 3 4 5			
	Stro Strongly Agree			
19.	I felt very confident using the system.			
	Mark only one oval.			
	1 2 3 4 5			
	Stro Strongly Agree			

	Mark o	nly	one c	val.								
		1	2	3	4	5						
	Stro (	$\supset$					Stro	ngly	Agree	е		
21.	Menta	al D	emaı	nd: l	How	men	tally	dem	andir	ng wa	as th	e task?
	Mark o	nly	one c	val.								
		1	2	3	4	5	6	7	8	9	10	
	Very (	$\supset$										Very High
22.	Physic	cal	Dem	and	: Hov	v phy	vsica	llv d	emar	ndinc	ı was	s the task?
	Mark o						,	,			•	
		1	2	3	4	5	6	7	8	9	10	
	Very (											Very High
23.	Tempo	oral	Den	nand	d: Ho	w hu	ırriec	l or r	ushe	d wa	ıs the	e pace of the task?
	Mark o	nly	one c	val.								
		1	2	3	4	5	6	7	8	9	10	
	Very (											Very High

20. I needed to learn a lot of things before I could get going with this system.

1 :	2	3	4	5	6	7	8	9	10	
-t• ∐-c						$\bigcirc$				Failure
ot∙ ∐o										
ι. πι	w ha	ard d	id vo	u ha	ve to	o wo	rk to	acco	mpli	sh your level of perform
			,						'	
1	2	3	4	5	6	7	8	9	10	
										Very High
										——————————————————————————————————————
			4	5	6	7	8	9	10	
										Very High
t do	you 1	think	of th	ie te	chnic	que?				
	one c	oval.								
only										
only 1	2	3	4	5	6	7				
	tratice?	1 2  stration: H  conly one of	etration: How in the control of the	1 2 3 4  ctration: How insections only one oval.  1 2 3 4	1 2 3 4 5  Atration: How insecure,  Young one oval.  1 2 3 4 5	1 2 3 4 5 6  Atration: How insecure, disconsists only one oval.  1 2 3 4 5 6	1 2 3 4 5 6 7  Atration: How insecure, discouraç  A only one oval.  1 2 3 4 5 6 7	1 2 3 4 5 6 7 8  Atration: How insecure, discouraged, conly one oval.  1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9  Atration: How insecure, discouraged, irritary  Tonly one oval.  1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 10  Atration: How insecure, discouraged, irritated, so only one oval.  1 2 3 4 5 6 7 8 9 10

	Mark only one oval.
	1 2 3 4 5 6 7
	Cor O O C Easy
00	What do you think of the technique
29.	What do you think of the technique?
	Mark only one oval.
	1 2 3 4 5 6 7
	Inefl O O O Efficient
30.	What do you think of the technique?  Mark only one oval.
	1 2 3 4 5 6 7
	Con Clear
31.	What do you think of the technique?  Mark only one oval.  1 2 3 4 5 6 7
	Bori C C Exciting

What do you think of the technique?

28.

	Mark only one oval.
	1 2 3 4 5 6 7
	Not Interesting
33.	What do you think of the technique?
	Mark only one oval.
	1 2 3 4 5 6 7
	Con O O O Inventive
34.	What do you think of the technique?
	Mark only one oval.
	1 2 3 4 5 6 7
	Usu: Leading Edge
Us	ser Experience with Technique 2
	ease share your experience with the second selection technique by answering the lowing questions.
35.	What do you like about this technique?

32. What do you think of the technique?

б.	What do you dislike about this technique?
<b>7</b> .	Other open comments
3.	I think that I would like to use this system frequently.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree
	I found the system unnecessarily complex.
	Mark only one oval.
	1 2 3 4 5

40.	I thought the system was easy to use.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree
41.	I think that I would need the support of a technical person to be able to use this system.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree
42.	I found the various functions in this system were well integrated.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree
43.	I thought there was too much inconsistency in this system.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree

44.	I would imagine that most people would learn to use this system very quickly.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree
45.	I found the system very cumbersome to use.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree
46.	I felt very confident using the system.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree
47.	I needed to learn a lot of things before I could get going with this system.
	Mark only one oval.
	1 2 3 4 5
	Stro Strongly Agree

	Mark only	one	oval.								
	1	2	3	4	5	6	7	8	9	10	
	Very _										Very High
49.	Physical	Dem	nand:	Hov	v phy	/sical	lly de	emaı	nding	ı was	s the task?
	Mark only	one	oval.								
	1	2	3	4	5	6	7	8	9	10	
	Very _										Very High
50.	Tempora	ıl Der	mand	I: Ho	w hu	rried	or r	ushe	ed wa	ıs the	e pace of the task?
	Mark only										pass or and taken.
	1	2	3	4	5	6	7	8	9	10	
	Very 🔵										Very High
51.	Performato do?	ance:	How	/ SUC	cess	ful w	ere	you	in ac	com	olishing what you were asked
	Mark only	one	oval.								
	1	2	3	4	5	6	7	8	9	10	
	Perf										Failure

Mental Demand: How mentally demanding was the task?

48.

2.	Effort	: Ho			•							
	Mark o	only	one d	val.								
		1	2	3	4	5	6	7	8	9	10	
	Very											Very High
3.	Frusti	ratio	n: H	ow ir	nseci	ure, (	disco	ourag	jed, i	rrita	ted, s	stressed, and annoyed were
	Mark o	only	one o	val.								
		1	2	3	4	5	6	7	8	9	10	
	Very (	1	2	3	4	5	6	7	8	9	10	Very High
4.	Very (	do	you t	hink					8	9	10	Very High
1.	What	do	you t	hink					8	9	10	Very High
1.	What	do	you t	chink	of th	e te	chnic	que?		9 Oortiv		Very High
L.	What Mark o	do	you t	chink	of th	e te	chnic	que?				Very High
	What Mark o	do y	you tone of	chink	of th	e ted	chnic	7				Very High
	What	do y	you tone of	chink oval. 3	of th	e ted	chnic	7				Very High
<b>4</b> .	What Mark of Obs: (	do y	you tone of	chink oval. 3	of th	e ted	chnic	7				Very High

	JIIIY	one c	oval.					
	1	2	3	4	5	6	7	
Inefl								Efficient
What	do	you 1	think	of th	ie te	chnic	que?	
Mark o	only	one d	oval.					
	1	2	3	4	5	6	7	
Clea								Confusing
				of th	ie te	chnic	que?	
	1	2	2	1	5	6	7	
Dori /			<u> </u>	4	<u> </u>			
BOIL								Exciting
What	do	you 1	think	of th	ie te	chnic	que?	
Mark o	only	one c	oval.					
	1	2	3	4	5	6	7	
Not								Interesting
	What  Mark of  Clea  What  Mark of  What  Mark of	Inefl What do  Mark only  1 Clea  What do  Mark only  1 Bori  What do  Mark only  1  The state of the state o	What do you to Mark only one of the Mark only one o	What do you think  Mark only one oval.  1 2 3  Clea	What do you think of the Mark only one oval.  1 2 3 4  Clea	What do you think of the term Mark only one oval.  1 2 3 4 5  Clea	What do you think of the technic Mark only one oval.  1 2 3 4 5 6  Clea	What do you think of the technique?  Mark only one oval.  1 2 3 4 5 6 7  Clea

What do you think of the technique?

56.

60.	What do you think of the technique?									
	Mark only one oval.									
	1 2 3 4 5 6 7									
	Con O O Inventive									
61.	What do you think of the technique?									
	Mark only one oval.									
	1 2 3 4 5 6 7									
	Usu: C C C Leading Edge									
Fir	nal Comments on User Experience									
Ple	ase share any final comments on both techniques.									
62.	Overall Preference									
	Mark only one oval.									
	Technique 1									
	Technique 2									
63.	Among both techniques, which features did you like?									

64.	Among both techniques, which features did you dislike?
65.	Which features would you wish to have?
66.	Other open comments

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