Všeobecné informácie (General information)

1.	ID	
2.	Vek	
	(age)	
3.	Pohlavie	
	(sex)	
	□ Muž (male)	
	☐ Žena (female)	
4.	Zameranie / odbo	or / profesia
	(field of study / p	rofession)
	\square Informatika, in	nformačné technológie a pod. (Informatics, information technologies, etc.)
	☐ Lekárstvo (med	dicine)
	\square Iné (other)	
5.	Aké zariadenie p	re virtuálnu realitu ste v minulosti používali?
	(What device did	you use for Virtual reality in the past?)
	☐ Žiadne (none)	
	\square Oculus Rift	
	☐ HTC VIVE	
	☐ PlayStation VR	
	☐ Microsoft Mixe	ed Reality
	☐ Samsung Galax	xy Gear VR
	☐ Iné založené n	a mobilnom telefóne (Other phone based) - Google Cardboard / DayDream
	☐ Iné <i>(other)</i>	

Úloha č.1 – Kopanie na bránku / Futbal (Task no.1 – Kick on goal / Football)



1. Ako veľmi ste boli schopní kontroľovať udalosti? (How much were you able to control events?)

Vôbec (Not at a	11)		Trochu (Somewhat)		Úplne (Completely)
2.			akcie, ktoré ste za ironment to actions	-	nali? red (or performed)?)
Vôbec (Not resp	ponsive)		Trochu (Moderately respon	sive)	Úplne (Completely responsive)
3.	_	_	orišla interakcia s p octions with the envi)
Veľmi un (extreme	nelé ely artificial)		Na hranici (Borderline)		Úplne prirodzené (Completely Natural)
Vôbec (Not at a		the visual asp	pects of the environi Trochu (Somewhat)	nent involve you	Úplne
5.	_	-	echanizmus pohyb nism which control	-	hrough the environment?)
Veľmi un (extreme	nelé ely artificial)		Na hranici (Borderline)		Úplne prirodzené (Completely Natural)
6.	-		ohyb objektov v pr ense of objects movi		ce?)
Vôbec (Not at a	11)		Trochu (Moderately compelli	ng)	Úplne (Completely compelling)
7.	reálneho sveta?	your experie		-	odovala so skúsenosťami z em consistent with your real
Vôbec (Not at a	11)		Trochu (Moderately consiste	ent)	Úplne (Completely consistent)

	ed predpovedať, čo sa stane ako reakcia na anticipate what would happen next in res	
Vôbec (Not at all)	Trochu (Somewhat)	Úplne (Completely)
	schopní vizuálne prehliadať prostredie? ere you able to actively survey or search the	environment using vision?)
Vôbec (Not at all)	Trochu (Somewhat)	Úplne (Completely)
	čivý bol váš pocit pohybu vo virtuálnom pr as your sense of moving around inside the vi	
Vôbec (Not compelling)	Trochu (Moderately compelling)	Úplne (Completely compelling)
	schopní pozorovať objekty? ou able to examine objects?)	
Wal	Callean bK La	17. V · 1.1/-1 .
Vôbec (Not at all)	Celkom blízko (Pretty closely)	Veľmi blízko (<i>Very closely</i>)
	schopní preskúmavať objekty z rôznych uh a examine objects from multiple viewpoints?	
(Not at all)	(Somewhat)	(Completely)
	ili byť vtiahnutí do virtuálneho prostredia you in the virtual environment experience?	
Vôbec (Not involved)	Trochu (Mildly involved)	Úplne (Completely involved)
	enie bolo medzi akciou a očakávanou reako d you experience between your actions and	
Žiadne oneskorenie (No delays)	Mierne oneskorenie (Moderate delays)	Dlhé oneskorenie (Long delays)
-	rispôsobili na virtuálne prostredie? u adjust to the virtual environment experiei	nce?)
Vôbec	Pomaly	Do minúty
(Not at all)	(Slowly)	(Less than one minute)

Vôbec		Primerane	zhehlí		Veľmi zbehlí
(Not proficient)		(Reasonably p			(Very proficient)
(How much d	_			-	7? performing assigned
Vôbec	•	Troch	u	•	Veľmi
(Not at all)		(Interfered so	omewhat)	(Pi	revented task performance)
the mechani		rform those tasks	s or activities?)	_	vities rather than on
Vôbec		rform those tasks	u	_	Úplne
Vôbec (Not at all) 19. Ako úplne bo	sms used to pe	rform those tasks	u hat) to skúsenosti?		
Vôbec (Not at all) 19. Ako úplne bo	sms used to pe	rform those tasks Troch (Somew y zapojené do tej	u hat) to skúsenosti?		Úplne
Vôbec (Not at all) 19. Ako úplne be (How comple	sms used to pe	rform those tasks Troch (Somew y zapojené do tej	u hat) to skúsenosti? in this experie		Úplne
Vôbec (Not at all) 19. Ako úplne be (How comple	sms used to pe	Troch (Somew y zapojené do tej r senses engaged	u hat) to skúsenosti? in this experie		Úplne (Completely)
Vôbec (Not at all) 19. Ako úplne be (How comple) Vôbec (Not compelling) 20. Bol čas kedy (Were there	oli vaše zmysly etely were your	Troch (Somew. y zapojené do tej r senses engaged Troch (Moderately co	u hat) to skúsenosti? in this experient nu ompelling) a úlohu alebo	nce?) virtuálne pros	Úplne (Completely) Úplne (Completely compelling)
Vôbec (Not at all) 19. Ako úplne be (How comple) Vôbec (Not compelling) 20. Bol čas kedy (Were there	sms used to pe	Troch (Somew. y zapojené do tej r senses engaged Troch (Moderately co	u hat) to skúsenosti? in this experient nu ompelling) a úlohu alebo	nce?) virtuálne pros	Úplne (Completely) Úplne (Completely compelling)
Vôbec (Not at all) 19. Ako úplne be (How comple) Vôbec (Not compelling) 20. Bol čas kedy (Were there	sms used to pe	Troch (Somew. y zapojené do tej r senses engaged Troch (Moderately co	u hat) to skúsenosti? in this experie nu ompelling) a úlohu alebo nvironment ex	nce?) virtuálne pros	Úplne (Completely) Úplne (Completely compelling)

Source (zdroj):

Witmer, Bob G., Christian J. Jerome, and Michael J. Singer., "The factor structure of the presence questionnaire.," Presence: Teleoperators and Virtual Environments 14.3, pp. 298-312, 2005.

Úloha č.2 – Hanojské veže (Task no.2 – Tower of Hanoi)



1. Ako veľmi ste boli schopní kontroľovať udalosti? (How much were you able to control events?)

Vôbec (Not at al	11)			Trochu (Somewhat)			Úplne (Completely)
2.		-	redie na akcie s the environm				ed)?)
Vôbec (Not resp	onsive)		(N	Trochu Moderately responsi	ve)	(Con	Úplne apletely responsive)
3.		-	ná vám prišla i ur interactions	-)	
Veľmi um (extremeļ	nelé ly artificia	1)	1	Na hranici (Borderline)		(C	Úplne prirodzené ompletely Natural)
4.			lne aspekty vti isual aspects of	-		ı?)	
Vôbec (Not at al			1	Trochu (Somewhat)			Úplne (Completely)
5.		-	ný bol mechani e mechanism v		-	rough the env	ronment?)
T 7 17 ·	17			N. 1			Y
Veľmi um (extremel	nelé ly artificia	1)		Na hranici (Borderline)		(0	Úplne prirodzené ompletely Natural)
6.		_	ivý bol pohyb o s your sense of			e?)	
Vôbec (Not at al	11)		(Mo	l Trochu derately compelling	1)	(Com	Úplne pletely compelling)
7.	reálne (How	eho sveta?	sa skúsenosť v experiences in		_		
Vôbec	<i></i>			Trochu			Úplne
(Not at al	u)		(M	oderately consisten	T.J	(Con	npletely consistent)

	ed predpovedať, čo sa stane ako reakcia na anticipate what would happen next in res _l	
Vôbec (Not at all)	Trochu (Somewhat)	Úplne (Completely)
	schopní vizuálne prehliadať prostredie? ere you able to actively survey or search the	environment using vision?)
Vôbec (Not at all)	Trochu (Somewhat)	Úplne (Completely)
	čivý bol váš pocit pohybu vo virtuálnom pro as your sense of moving around inside the vi	
Vôbec (Not compelling)	Trochu (Moderately compelling)	Úplne (Completely compelling)
	schopní pozorovať objekty? ou able to examine objects?)	
Wal	Callean bK La	17. V · 1.1/-1 .
Vôbec (Not at all)	Celkom blízko (Pretty closely)	Veľmi blízko (<i>Very closely</i>)
	schopní preskúmavať objekty z rôznych uh a examine objects from multiple viewpoints? Trochu	
(Not at all)	(Somewhat)	(Completely)
	ili byť vtiahnutí do virtuálneho prostredia you in the virtual environment experience?	
Vôbec (Not involved)	Trochu (Mildly involved)	Úplne (Completely involved)
	enie bolo medzi akciou a očakávanou reako d you experience between your actions and	
Žiadne oneskorenie (No delays)	Mierne oneskorenie (Moderate delays)	Dlhé oneskorenie (Long delays)
-	rispôsobili na virtuálne prostredie? u adjust to the virtual environment experier	nce?)
Vôbec	Pomaly	Do minúty
(Not at all)	(Slowly)	(Less than one minute)

prostredím na ko	nci plnenia úlo	ohy?	ostredí a interakcii s virtuálnym
(How proficient in of the experience)	_	ıteracting with the virtual e	environment did you feel at the end
Vôbec		Primerane zbehlí	Veľmi zbehlí
(Not proficient)		(Reasonably proficient)	(Very proficient)
	ne visual displa	rozptylovala alebo bránila ny quality interfere or distr	v plnení ulohy? act you from performing assigned
Vôbec (Not at all)		Trochu (Interfered somewhat)	Veľmi (Prevented task performance)
Vôbec		Trochu	Úplne
-		(Somewhat) ojené do tejto skúsenosti? ses engaged in this experien	(Completely)
(110 // 00 //		ongugou m omo enperion	
Vôbec (Not compelling)		Trochu (Moderately compelling)	Úplne
(Not compening)		(Moderately compening)	(Completely compelling)
20. Bol čas kedy ste s	nents during th	ústredení na úlohu alebo v he virtual environment exp	
20. Bol čas kedy ste s (Were there mon	nents during th	ústredení na úlohu alebo v he virtual environment exp	rirtuálne prostredie?

Source (zdroj):

Witmer, Bob G., Christian J. Jerome, and Michael J. Singer., "The factor structure of the presence questionnaire.," Presence: Teleoperators and Virtual Environments 14.3, pp. 298-312, 2005.

Úloha č.3 – Streľba na bránku / Hokej (Task no.3 – Shoot on goal - Hockey)



1. Ako veľmi ste boli schopní kontroľovať udalosti? (How much were you able to control events?)

			1		
***					<u> </u>
Vôbec (Not at all)		Trochu (Somewhat)			Úplne (Completely)
(Not at any		(30mewnat)			(Completely)
2. Ako reagovalo pro	ostredie na akcie	ktoré ste zač:	ali aleho vykor	ali?	
(How responsive v			-		od)2)
(How responsive v	vas the chivil online	chi to actions (mai you imida	ca (or perjorm	cuj.j
			T		
Vôbec		Trochu			Úplne
(Not responsive)	(A	Moderately responsi	ive)	(Con	opine (npletely responsive
(Not responsive)	(1-	rouer accey responsi	vej	(1007)	ipicicity responsively
3. Ako veľmi prirod	zená vám nrišla i	nterakcia s nr	ostredím?		
(How natural did	-	-)	
(How Hatarai ala	your interactions	with the chili	omment seemi.		
		1	1		
Veľmi umelé		Na hranici			Únlna privadzaná
(extremely artificial)		(Borderline)		"	Úplne prirodzené 'ompletely Natural)
(extremely urtificial)		(Dorder line)		(0	ompletely Naturaly
4. Ako veľmi vás viz	uálno acnobty vti	ahli da proetr	odia?		
		_		.2)	
(How much did the	e visuai aspects oj	, the environm	ent invoive you	(<i>t)</i>	
		T	Т	T	
****		m 1			4 ,
Vôbec (Not at all)		Trochu			Úplne
(Not at an)		(Somewhat)			(Completely)
C Also wal'mi nninadi	zaný hal machani	iamua nahuhu	u prostrodí?		
5. Ako veľmi prirod	•		-		· · · · · · · · · · · · · · · · · · ·
(How natural was	tne mecnanism v	vnicn controlle	a movement tr	irougn tne envi	ronment?j
		T		Τ	
					,
Veľmi umelé		Na hranici			Úplne prirodzené
(extremely artificial)		(Borderline)		()	ompletely Natural)
6. Ako veľmi presve		-			
(How compelling t	was your sense of	objects moving	g through spac	e?)	
<u> </u>					
Vôbec		Trochu			Úplne
(Not at all)	(Mo	derately compelling])	(Com	pletely compelling)
7. Ako veľmmi sa v	vaša skúsenosť v	vo virtuálnom	ı prostredí zh	odovala so sk	úsenosťami z
reálneho sveta?					
(How much did yo	our experiences i	n the virtual e	nvironment se	em consistent	with your real
world experiences	-				-
Vôbec	l	Trochu	<u>,I</u>	<u> </u>	Úplne
(Not at all)	ſM	oderately consisten	t)	(Cor	nnletely consistent)

	ed predpovedať, čo sa stane ako reakcia na anticipate what would happen next in res _l	
Vôbec (Not at all)	Trochu (Somewhat)	Úplne (Completely)
	schopní vizuálne prehliadať prostredie? ere you able to actively survey or search the	environment using vision?)
Vôbec (Not at all)	Trochu (Somewhat)	Úplne (Completely)
	čivý bol váš pocit pohybu vo virtuálnom pr as your sense of moving around inside the vi	
Vôbec (Not compelling)	Trochu (Moderately compelling)	Úplne (Completely compelling)
	schopní pozorovať objekty? ou able to examine objects?)	
1701		77 77 11/1
Vôbec (Not at all)	Celkom blízko (Pretty closely)	Veľmi blízko (<i>Very closely</i>)
	schopní preskúmavať objekty z rôznych uh u examine objects from multiple viewpoints? Trochu	
(Not at all)	(Somewhat)	(Completely)
	tili byť vtiahnutí do virtuálneho prostredia vyou in the virtual environment experience?	
Vôbec (Not involved)	Trochu (Mildly involved)	Úplne (Completely involved)
	enie bolo medzi akciou a očakávanou reako id you experience between your actions and	
Žiadne oneskorenie (No delays)	Mierne oneskorenie (Moderate delays)	Dlhé oneskorenie (Long delays)
_	rispôsobili na virtuálne prostredie? u adjust to the virtual environment experiei	nce?)
Vôbec (Not at all)	Pomaly (Slowly)	Do minúty (Less than one minute)
•		,

(Not proficient) (Reasonably proficient) (Very proficient) (Very proficient) (Very proficient) (Very proficient) (Very proficient) (Very proficient) (How much did the visual display quality interfere or distract you from performing assignt tasks or required activities?) (Not at asks or required activities?) (Not at all) (Interfered somewhat) (Prevented task performance the pridelenej úlohy, namiesto sústredenia same thanizmy potrebné pre vykonanie daných aktivít? (How well could you concentrate on the assigned tasks or required activities rather than the mechanisms used to perform those tasks or activities?) (Not at all) (Somewhat) (Complete the completely were your senses engaged in this experience?)					
(Not proficient) (Reasonably proficient) (Reasonably proficient) (Reasonably proficient) (Reasonably proficient) (Reasonably proficient) (How much did the visual display quality interfere or distract you from performing assigntasks or required activities?) (Not at all) (Reasonably proficient) (How much did the visual display quality interfere or distract you from performing assigntasks or required activities?) (Not at all) (Reasonably proficient) (How much did the visual display quality interfere or distract you from performing assigntasks or required activities as a mechanism you can be subjected in a vykonanie pridelenej úlohy, namiesto sústredenia sa mechanizmy potrebné pre vykonanie daných aktivít? (How well could you concentrate on the assigned tasks or required activities rather than a the mechanisms used to perform those tasks or activities?) (Nobec Trochu Up (Complete (How completely were your senses engaged in this experience?) (Not completely were your senses engaged in this experience?) (Not compelling) (Completely compelling) (Completely compelling) (Completely compelling) 20. Bol čas kedy ste sa cítili úplne sústredení na úlohu alebo virtuálne prostredie? (Were there moments during the virtual environment experience when you felt complete	Vôbec		Primerane zbeh	<u> </u>	Veľmi zbehl
(How much did the visual display quality interfere or distract you from performing assignations tasks or required activities?) Vôbec Trochu (Prevented task performance) 18. Ako dobre ste sa mohli sústrediť na vykonanie pridelenej úlohy, namiesto sústredenia sa mechanizmy potrebné pre vykonanie daných aktivít? (How well could you concentrate on the assigned tasks or required activities rather than a the mechanisms used to perform those tasks or activities?) Vôbec Trochu (Somewhat) (Complete 19. Ako úplne boli vaše zmysly zapojené do tejto skúsenosti? (How completely were your senses engaged in this experience?) Vôbec Trochu (Dp (Moderately compelling)) (Completely compelling) Vôbec (Moderately compelling) (Completely compelling)					(Very proficient)
(Not at all) (Interfered somewhat) (Prevented task performance) 18. Ako dobre ste sa mohli sústrediť na vykonanie pridelenej úlohy, namiesto sústredenia sa mechanizmy potrebné pre vykonanie daných aktivít? (How well could you concentrate on the assigned tasks or required activities rather than a the mechanisms used to perform those tasks or activities?) (Not at all) Trochu (Somewhat) (Complete) 19. Ako úplne boli vaše zmysly zapojené do tejto skúsenosti? (How completely were your senses engaged in this experience?) Vôbec (Not compelling) (Moderately compelling) (Completely compelling) 20. Bol čas kedy ste sa cítili úplne sústredení na úlohu alebo virtuálne prostredie? (Were there moments during the virtual environment experience when you felt completes	(How much d	lid the visual a	lisplay quality interfe		-
(Not at all) (Interfered somewhat) (Prevented task performance) 18. Ako dobre ste sa mohli sústrediť na vykonanie pridelenej úlohy, namiesto sústredenia sa mechanizmy potrebné pre vykonanie daných aktivít? (How well could you concentrate on the assigned tasks or required activities rather than a the mechanisms used to perform those tasks or activities?) (Not at all) Trochu (Somewhat) (Complete) 19. Ako úplne boli vaše zmysly zapojené do tejto skúsenosti? (How completely were your senses engaged in this experience?) Vôbec (Not compelling) (Moderately compelling) (Completely compelling) 20. Bol čas kedy ste sa cítili úplne sústredení na úlohu alebo virtuálne prostredie? (Were there moments during the virtual environment experience when you felt completes					
18. Ako dobre ste sa mohli sústrediť na vykonanie pridelenej úlohy, namiesto sústredenia sa mechanizmy potrebné pre vykonanie daných aktivít? (How well could you concentrate on the assigned tasks or required activities rather than a the mechanisms used to perform those tasks or activities?) Vôbec Trochu (Somewhat) 19. Ako úplne boli vaše zmysly zapojené do tejto skúsenosti? (How completely were your senses engaged in this experience?) Vôbec (Not compelling) Trochu (Moderately compelling) Completely compelling 20. Bol čas kedy ste sa cítili úplne sústredení na úlohu alebo virtuálne prostredie? (Were there moments during the virtual environment experience when you felt complete	Vôbec		Trochu		Veľmi
mechanizmy potrebné pre vykonanie daných aktivít? (How well could you concentrate on the assigned tasks or required activities rather than a the mechanisms used to perform those tasks or activities?) Vôbec (Not at all) Trochu (Somewhat) 19. Ako úplne boli vaše zmysly zapojené do tejto skúsenosti? (How completely were your senses engaged in this experience?) Vôbec Trochu (Moderately compelling) Trochu (Completely compelling) Tochu (Completely compelling) Tochu (Moderately compelling) Tochu (Moderately compelling) Tochu (Moderately compelling)	(Not at all)		(Interfered somew	hat)	(Prevented task performance)
19. Ako úplne boli vaše zmysly zapojené do tejto skúsenosti? (How completely were your senses engaged in this experience?) Vôbec Trochu Úp (Not compelling) (Moderately compelling) (Completely compelling) 20. Bol čas kedy ste sa cítili úplne sústredení na úlohu alebo virtuálne prostredie? (Were there moments during the virtual environment experience when you felt complete		-			equirea activities rather than on
(Not compelling) (Moderately compelling) (Completely compelling) 20. Bol čas kedy ste sa cítili úplne sústredení na úlohu alebo virtuálne prostredie? (Were there moments during the virtual environment experience when you felt complete	the mechanis	-	rform those tasks or o		Úplne
(Not compelling) (Moderately compelling) (Completely compelling) 20. Bol čas kedy ste sa cítili úplne sústredení na úlohu alebo virtuálne prostredie? (Were there moments during the virtual environment experience when you felt complete	the mechanis Vôbec (Not at all) 19. Ako úplne bo	sms used to pe	Trochu (Somewhat)	activities?)	Úplne (Completely)
20. Bol čas kedy ste sa cítili úplne sústredení na úlohu alebo virtuálne prostredie? (Were there moments during the virtual environment experience when you felt complete	the mechanis Vôbec (Not at all) 19. Ako úplne bo	sms used to pe	Trochu (Somewhat)	activities?)	Úplne (Completely)
(Were there moments during the virtual environment experience when you felt complete	the mechanis Vôbec (Not at all) 19. Ako úplne bo (How comple	sms used to pe	Trochu (Somewhat) zapojené do tejto sk	activities?)	Úplne (Completely)
	the mechanis Vôbec (Not at all) 19. Ako úplne bo (How comple	sms used to pe	Trochu (Somewhat) zapojené do tejto skr senses engaged in th	activities?) xúsenosti? his experienc	Úplne (Completely,
	the mechanis Vôbec (Not at all) 19. Ako úplne bo (How comple) Vôbec (Not compelling) 20. Bol čas kedy (Were there	oli vaše zmysly tely were your ste sa cítili úp moments dur	Trochu (Somewhat) zapojené do tejto skr senses engaged in the (Moderately compeleding the virtual environment)	xúsenosti? his experience	Úplne (Completely) ce?) Úplne (Completely compelling)
Nie Občas St (Not at all) (Sometimes) (Al the tin	the mechanis Vôbec (Not at all) 19. Ako úplne bo (How comple Vôbec (Not compelling) 20. Bol čas kedy (Were there	oli vaše zmysly tely were your ste sa cítili úp moments dur	Trochu (Somewhat) zapojené do tejto skr senses engaged in the (Moderately compeleding the virtual environment)	xúsenosti? his experience	Úplne (Completely) ce?) Úplne (Completely compelling)

Source (zdroj):

Witmer, Bob G., Christian J. Jerome, and Michael J. Singer., "The factor structure of the presence questionnaire.," Presence: Teleoperators and Virtual Environments 14.3, pp. 298-312, 2005.