Turing Tumble Evaluation (Unmonitored)

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Task 1

These questions are related to the first task on the task sheet provided

Furing Tumble Evaluation	(Unmonitored)
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Did you complete th	nis task? *							
Yes								
O No								
Have you heard of a	Turing Tur	nble befor	e this expe	eriment? *				
Yes								
No								
How easy was it to s	select and	olace piec	es onto the	e board? *				
	1	2	3	4	5			
Very difficult	0	0	0	•	0	Very easy		
Can you suggest an	Can you suggest any improvements to placing pieces on the board?							
It was very intuitive and	d the only im	provements	s I can think	of would be	e purely aestl	hetic changes.		
How easy was it to u	understand	l when a m	narble 'fell'	based on t	he icon? *			
	1	2	3	4	5			
Very difficult	0	0	0	•	0	Very easy		

1 2 3 4 5										
Very difficult	0	0	0	0	•	Very easy				
Vas it clear how ma	any marble	s had beer	n collected	at the bot	tom of the	board? *				
Yes										
Somewhat clear										
O No										
Do you have any su	ggestions t	to improve	the experi	ence of th	e previous	task?				
Nope, like I said, very i	ntuitive.									
Task 2										
	d to Task 2									
Task 2 These questions are relate										
Task 2										
Task 2 hese questions are relate										

uring Tumble Evaluation (Unmonitore	ırina Tumble E	valuation ((Unmonitored
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Has this task helped you understand the concept of bits and registers better? *								
YesSomewhat yesNo								
How easy are the piece icons to uniquely identify? *								
	1	2	3	4	5			
Very difficult	0	0	0	•	0	Very easy		
How easy was it to u	How easy was it to understand the different playback options available? *							
	1	2	3	4	5			
Very difficult	0	0	0	•	0	Very easy		
Do you have any suggestions to improve the playback features? Nope the buttons are all easy enough to understand.								
Do you have any suggestions to improve the ease of understanding the different pieces? Nope, the tooltips that display when hovering the mouse over the pieces are very helpful and understanding how they operate was a breeze.								

Task 3

The questions related to Task 3									
Did you complete this tas	sk? *								
Yes									
O No									
How clear was the puzzle list? *									
	1	2	3	4	5				
Difficult to understand	0	0	0	С		Very clear			
Was the information prov	vided rele	vant in ch	oosing a	a puzzle?	*				
	1	2	3	4	5				
Not useful information	0	0	0	•	O v	ery useful details			
How useful was the diffic	How useful was the difficulty filter? *								
	1	2	3	4	5				
Not useful at all	0	0	0	•	0	Very useful			

Nah I think difficulty works alone for this type of board game. Although you could add a filter for whether it's a more numerical kind of challenge or pattern kind of challenge but difficulty works just ine alone.									
How clear was it that	some pied	ces couldn	't be chan	ged or del	eted? *				
	1	2	3	4	5				
Not clear at all	0	0	0	0	•	Very clear			
How clear was it that	you only h	ad a certa	ain number	of pieces	to comple	ete the puzzle? *			
	1	2	3	4	5				
Not clear at all	0	0	0	0	•	Very clear			
Do you think these p	uzzles cou	ld assist in	learning t	he Turing ⁻	Tumble? *				
Yes									
No									
Maybe									
Task 4 (extra)									

Turina	Tumble	Eva	luation	(IIn	monitor	a
umu	i umbie	L va.	iuation	UUI		eu.

Did you complete thi	s task? *							
Yes								
O No								
How clear was the cr	eate starti	ng set up	phase?					
	1	2	3	4	5			
Not clear at all	0	0	•	0	0	Very clear		
Was it easy to come	Was it easy to come up with a puzzle by thinking of the solution?							
	1	2	3	4	5			
Not easy at all	0	0	0	•	0	Very easy		
Can you suggest a di	Can you suggest a different way of creating a puzzle?							
I suppose this would be putting the blocks in so something like that.			_	=				
Would you want to ac	-			-	-	e.		

Any more suggestions to add?	
Nope, very well made.	

Ethics Debrief

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Task 1

These questions are related to the first task on the task sheet provided

Turina '	Tumble	Evaluation	ı (Unm	onitored	(F

Did you complete th	is task? *						
YesNo							
Have you heard of a	Turing Tun	nble befor	e this expe	eriment? *			
Yes No							
How easy was it to s	elect and p	place piec	es onto the	e board? *			
	1	2	3	4	5		
Very difficult	0	0	0	•	0	Very easy	
A graphical clarification	Can you suggest any improvements to placing pieces on the board? A graphical clarification of which place on the board you are selecting before placing could be useful, even just a basic highlight when the mouse scrolls over it.						
How easy was it to understand when a marble 'fell' based on the icon? *							
	1	2	3	4	5		
Very difficult	0	0	•	0	0	Very easy	

	1	2	3	4	5	
Very difficult	0	0	0	0	•	Very easy
Vas it clear how ma	any marble	s had beer	ı collected	at the bot	tom of the	board? *
Yes						
Somewhat clear						
O No						
Do you have any su	ggestions t	o improve	the experi	ience of th	e previous	task?
Task 2						
	d to Task 2					
hese questions are relate						
These questions are relate						
	nis task? *					
hese questions are relate Did you complete the Yes	nis task? *					

urina	Tumble	Evaluation ((Unmonitored)	١

Has this task helped you understand the concept of bits and registers better? *							
Yes Somewhat yes No							
How easy are the pi							
Very difficult	1	2	3	4	5	Very easy	
How easy was it to u						*	
Very difficult	1	2	3	4	5	Very easy	
Do you have any sug	Do you have any suggestions to improve the playback features?						
Do you have any suggestions to improve the ease of understanding the different pieces?							
Task 3							
The questions related to Ta	ask 3						

Yes No	sk? *					
How clear was the puzzl	e list? *					
	1	2	3	4	5	
Difficult to understand	0	0	0	•	0	Very clear
Was the information pro	vided rele	evant in cho	oosing a p	ouzzle? *		
	1	2	3	4 5	i i	
Not useful information	0	0	0	•	Ve	ery useful details
How useful was the diffi	culty filte	r? *				
	1	2	3	4	5	
	\bigcirc	0	•	0	0	Very useful
Not useful at all						

How clear was it that	some pied	ces couldn	't be chan	ged or del	eted?*	
	1	2	3	4	5	
Not clear at all	0	0	•	0	0	Very clear
How clear was it that	you only h	ad a certa	in numbei	of pieces	s to comple	te the puzzle? *
	1	2	3	4	5	
Not clear at all	0	0	•	0	0	Very clear
O you think these poor of the	uzzles cou	ld assist in	learning t	he Turing	Tumble?*	
Task 4 (extra)						
Please only fill in this section	n if you have l	ogged in ano	nymously to t	he site		
Did you complete this	s task? *					
Yes						
No						

Turing Tumble Evaluation ((Unmonitored)
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How clear was the create starting set up phase?							
	1	2	3	4	5		
Not clear at all	0	0	0	0	0	Very clear	
Was it easy to come u	ıp with a p	ouzzle by tl	hinking of	the solutio	on?		
	1	2	3	4	5		
Not easy at all	0	0	0	0	0	Very easy	
Can you suggest a dif	Can you suggest a different way of creating a puzzle?						
Would you want to add any more descriptive attributes to your puzzle?							
Any more suggestions to add?							

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Task 1

These questions are related to the first task on the task sheet provided

Гuring Tumble Evaluation (U	Jnmonitored)
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Did you complete th	is task? *					
YesNo						
Have you heard of a	Turing Tun	nble befor	e this expe	eriment? *		
Yes No						
How easy was it to s	select and p	olace piec	es onto the	e board? *		
	1	2	3	4	5	
Very difficult	0	0	0	0	•	Very easy
Can you suggest an						
Not that I can think of I piece on the board.	no. It might b	oe nice to a	dd a 'click a	nd replace' o	ption for wh	en you misplace a
How easy was it to u	ınderstand	when a m	narble 'fell'	based on t	he icon? *	
	1	2	3	4	5	
Very difficult	0	0	•	0	0	Very easy

How easy was it to o	change the	direction	of a piece	that was o	n the boar	d? *
	1	2	3	4	5	
Very difficult	0	0	0	0	•	Very easy
Was it clear how ma	ny marbles	s had been	n collected	at the bot	tom of the	board? *
Yes						
Somewhat clear						
O No						
Do you have any sug	-	o improve	the exper	ience of th	e previous	task?
Task 2						
These questions are related	d to Task 2					
Did you complete th	nis task? *					
Yes						
O No						

Has this task helped	l you under	stand the	concept o	f bits and r	egisters be	etter? *
YesSomewhat yesNo						
How easy are the pi	ece icons t	o uniquely	identify?	*		
	1	2	3	4	5	
Very difficult	0	0	0	0	•	Very easy
How easy was it to u	understand	the differ	ent playba	ck options	available?	*
	1	2	3	4	5	
Very difficult	0	0	0	•	0	Very easy
Do you have any sug	ggestions t	o improve	the playba	ack feature	es?	
Do you have any sug No, I think the box that enough explanation to	appears wh	en you hove			_	•

Task 3

The questions related to Task 3							
Did you complete this task? *							
Yes							
○ No							
How clear was the puzzl	How clear was the puzzle list? *						
	1	2	3	4	5		
Difficult to understand	0	0	0	0	•	Very clear	
Was the information pro	vided rele	evant in ch	noosing a	a puzzle? *	f		
	1	2	3	4	5		
Not useful information	0	0	0	0	Vel	ry useful details	
How useful was the diffi	How useful was the difficulty filter? *						
	1	2	3	4	5		
Not useful at all	0	0	\bigcirc	0	•	Very useful	

Would v	vou suagest	any other ty	pes of filters	or search	features?
VVOuld	you suggest	arry Other ty	pes of filters	OI SCAICII	icatules:

No. This is not exactly a filter or a search feature, however, when I tried to click the 'Original puzzles' button when I was on a puzzle it would not let me click it. I noticed soon after that there was already a 'go back' button on the puzzle screen, but it might be confusing to users if that is the only button on the left they cannot access whilst in a puzzle.

	1	2	3	4	5		
Not clear at all	0	0	0	•	0	Very clear	
How clear was it that you only had a certain number of pieces to complete the puzzle? *							
	1	2	3	4	5		
Not clear at all	0	0	0	0	•	Very clear	
Do you think these puzzles could assist in learning the Turing Tumble? *							
Yes							
Yes No							

Please only fill in this section if you have logged in anonymously to the site

uring Tumble Evaluation (Unmonito

Did you complete this	s task? *							
Yes								
No								
How clear was the cr	How clear was the create starting set up phase?							
	1	2	3	4	5			
Not clear at all	0	0	0	0	0	Very clear		
Was it easy to come u	up with a p	ouzzle by tl	hinking of	the solutio	on?			
	1	2	3	4	5			
Not easy at all	0	0	0	0	0	Very easy		
Can you suggest a di	Can you suggest a different way of creating a puzzle?							
Would you want to ac	Would you want to add any more descriptive attributes to your puzzle?							
Any more suggestion	Any more suggestions to add?							

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Task 1

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Turing	Tumble	Evaluation ((Unmonitored)	١

Did you complete th	nis task? *								
Yes									
O No									
Have you heard of a Turing Tumble before this experiment? *									
Yes									
O No									
How easy was it to s	How easy was it to select and place pieces onto the board? *								
	1	2	3	4	5				
Very difficult	0	0	0	•	0	Very easy			
Can you suggest any improvements to placing pieces on the board?									
Video demo for adding removing pieces and changing 'direction' of pieces.									
How easy was it to understand when a marble 'fell' based on the icon? *									
	1	2	3	4	5				
Very difficult	0	0	0	0	•	Very easy			

	urina	Tumble	Evaluation	(Unmonitored))
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How easy was it to d	change the	direction	of a piece	that was o	n the board	d? *
	1	2	3	4	5	
Very difficult	0	0	•	0	0	Very easy
Was it clear how ma	ıny marbles	s had been	collected	at the bot	tom of the	board? *
Yes						
Somewhat clear						
No						
Do you have any suç	ggestions t	o improve	the exper	ience of th	e previous	task?
Do you have any sug Clearer explanation that current marbel landed. walkthrough.	at which cold	our of marbl	e to be drop	ped next wa	as determine	d by the side the
Clearer explanation that current marbel landed.	at which cold	our of marbl	e to be drop	ped next wa	as determine	d by the side the
Clearer explanation that current marbel landed. walkthrough. Task 2	at which cold Took me a l	our of marbl	e to be drop	ped next wa	as determine	d by the side the
Clearer explanation that current marbel landed. walkthrough. Task 2	at which cold Took me a l	our of marbl	e to be drop	ped next wa	as determine	d by the side the
Clearer explanation that current marbel landed. walkthrough. Task 2 These questions are related.	at which cold Took me a l	our of marbl	e to be drop	ped next wa	as determine	d by the side the
Clearer explanation that current marbel landed. walkthrough. Task 2 These questions are related.	at which cold Took me a l	our of marbl	e to be drop	ped next wa	as determine	d by the side the

urina	Tumble	Evaluation ((Unmonitored)	١

Has this task helped	l you under	stand the	concept o	f bits and r	egisters be	etter? *			
Yes									
Somewhat yes									
O No									
How easy are the pi	ece icons t	o uniquely	videntify?	*					
	1	2	3	4	5				
Very difficult	0	0	0	0	•	Very easy			
How easy was it to						*			
	1	2	3	4	5				
Very difficult	0	0	•	0	0	Very easy			
Do you have any su	ggestions t	o improve	the playba	ack feature	es?				
Image of the piece on the buttons maybe.									
Do you have any suggestions to improve the ease of understanding the different pieces?									
Task 3									
The questions related to Ta	ask 3								

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urına	rumpie	Evaluation	(Unmonitored)	

No									
low clear was the puzzl	e list? *								
	1	2	3	4	5				
Difficult to understand	0	0	0	•	0	Very clear			
Was the information provided relevant in choosing a puzzle? *									
	1	2	3	4	5				
Not useful information	0	0	•	\bigcirc	Ve	ry useful details			
low useful was the diffi	culty filte	r? *							
	1	2	3	4	5				
	\bigcirc	\bigcirc	0	•	\bigcirc	Very useful			

urina	Tumble	Evaluation ((Unmonitored)	١

How clear was it that some pieces couldn't be changed or deleted? *										
	1	2	3	4	5					
Not clear at all	0	0	0	•	0	Very clear				
How clear was it that	How clear was it that you only had a certain number of pieces to complete the puzzle? *									
	1	2	3	4	5					
Not clear at all	0	•	0	0	0	Very clear				
Oo you think these put Yes No Maybe	izzles coul	d assist in	learning t	he Turing	Tumble? *					
Task 4 (extra)										
Please only fill in this section if you have logged in anonymously to the site										
Did you complete this task? *										
Yes	Yes									
O No										

]	uring	Tumble	Evaluation	(U	nmonitored

How clear was the create starting set up phase?										
	1	2	3	4	5					
Not clear at all	0	0	0	0	•	Very clear				
Was it easy to come up with a puzzle by thinking of the solution?										
	1	2	3	4	5					
Not easy at all	0	0	•	0	0	Very easy				
Can you suggest a different way of creating a puzzle?										
Would you want to add any more descriptive attributes to your puzzle?										
Any more suggestions to add?										

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