VR Project Design Document

The user will be able to grab:

03 | 11 | 2022 Conor Kilbride

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App Info	Tentative	Title:	Personal Room						
	Education & Training				Mental Health & Fitness				
	Tra	vel & Disco	overy		Media & Entertainment				
	Pro	ductivity 8	& Collaboration		Gaming				
	√ Art	& Creativi	ty		Other:				
2 Pitch			o [learn experience բ						
	Play a game of Billiards against each other and interact with objects around the room that showcase what we've learned in class.								
	This will b	e especial	l y [impactful education	nal mem	orable effect	ive fun other] ir	n VR b/c:		
	At a high	level, durir	ng the app, users will:						
			and audio sources, ligh game of Billiards	t switches	and particle sy	ystems, teleportati	on areas, a UI		
	This experience will be targeted at devices with:								
	[3 6]		of freedom, sers control over the	[rota	ation movem	ent & rotation]	of their head & controllers.		
3	The app v	vill take pla	ace in:	and th	e user will get a	around the scene v	vith:		
Basics					port continuc r will be station	ous other N A nary]	movement.		

There [will | will not] be sockets:

- Devices with Video, Audio and Light Sources
- Cue Sticks for billiards
- An object with a Particle System
- On the rack for the Cue sticks
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Events & Interactions

There will be haptic / audio feedback when:

- A user hovers over an interactable object
- A user selects an interactable object

There will also be 3D sound from:

- A fireplace, a record player, and a television
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If the user is holding:

TV Remote	and presses the trigger,	A video will play on the TV		
Flashlight	and presses the trigger,	The flashlight will turn on and off		
Phone	and presses the trigger,	A video will play on the phone		
		Suggestions: a UI change, a sound/video plays, a particle plays, an object is spawned or destroyed.		

By default, the left hand will have a:

[Direct | Ray] interactor.

and the right hand will have a:

[Direct Ray]	interactor.

And you [will | will not] be able to toggle on a [Direct | Ray] interactor using the [thumbstick | button].

The main menu will be located:

and from the main menu, the user will be able to:

In front of the user when the scene loads

- Reset the scene and access Settings

[Optional] There will be additional UI elements for:

- Enabling Snap Turning
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To make the user experience more accessible / comfortable:

Optimization & Publishing

- There will be a fade canvas in place when the scene loads and when the user teleports
- Optimized to visually run smoother

Given that this app is targeting the [headset model], target metrics are:

Frames per second:	>=	FPS
Milliseconds per frame:	<	ms (= 1,000 / FPS)

Triangles per frame:	<200	tris	
Draw calls per frame:		batches	
Lighting strategy:			_
All baked	✓ Mo	ostly baked with some mixed	All real-time
Links and a find the college			

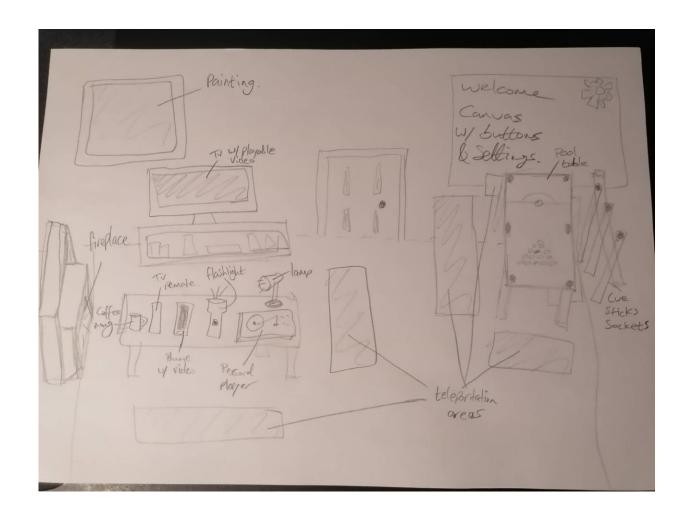
Light probes $[\mbox{\it will} \mid \mbox{\it will not}]$ also be used for more realistic mixed lighting.

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Other features (Optional)

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-				
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-				

7 Sketch (Optional)



8 Timeline (Optional)

	Milestone	Date
1	-	
2	-	
3	-	
4	-	
5	-	