

Appendix A: Evaluation of the Plan

A.1. Evaluation of 3rd semester

For third semester we chose three main goals:

- Partial user representation,
- Interaction,
- VR VE.

Since interaction depends on use-case, we merged this task with implementation of a given use-case.

Since devices give us all data, we decided complete user representation will be more efficient. This phase also takes longer because of issues caused by Kinect SDK and incompatibility with UE4, we were unable to use joint orientation from Kinect for representation, therefore we needed to use other approach.

User representation has higher priority, therefore we created it lastly.

Also, during implementation process we created some new 3D objects.

Task \ Week	1	2	3	4	5	6	7	8	9	10	11	12
User representation												
Interaction												
VR VE												

Table 1: plan (yellow) and evaluation (green) of 3rd semester

A.2. Evaluation of 4th semester

For last semester there are use-cases that need to be implemented and performing presence testing. Therefore, we have three main tasks:

- Implementing use-cases,
- Performing presence testing and
- Evaluating results of testing

As mentioned in chapter 8. Solution we decided to not implement Jigsaw Puzzle since Jigsaw Puzzle and TOH focus on the same aspects. Also due to unpredictable implementation problems (mentioned in 8. Solution) we were unable to fully implement driving car use-case.

Overall, we finished implementation as planned. Similar parts of use-cases we implemented in parallel.

Appendix A: Evaluation of the Plan

Tasks \ Week	1	2	3	4	5	6	7	8	9	10	11
Use-cases	Yellow										
	Green										
Towers of Hanoi	Yellow										
	Green							Green			
Jigsaw Puzzle	Yellow										
Driving		Yellow		Yellow							
						Green	Green				
Kinking ball					Yellow						
					Green						
Shooting puck		Yellow			Yellow	Yellow					
					Green	Green					
Presence Testing									Yellow		
									Green		
Evaluation									Yellow	Yellow	
										Green	

Table 2: plan (yellow) and evaluation (green) of 4th semester