

Testing of Room Mapper AR

This is a form for the Room Mapper AR. Room Mapper AR is a room mapping application that was made for a bachelor's thesis. In order to further improve the application it would be nice if you could find 5 minutes and answer these questions. Thank you!

*** Required**

Start this form over.

The User

1. **Do you have any previous experience with room design or room mapping? ***

Mark only one oval.

- ☐ Yes
☐ No

2. **If you have then please explain.**

3. **Have you used any room mapping applications before? ***

Mark only one oval.

- ☐ Yes
☐ No

4. **If you have then please name the applications.**

5. **Have you used any other augmented reality applications before? ***

Mark only one oval.

- ☐ Yes
☐ No

6. **If you have then could you name any?**

Mapping the Room

7. How easy was it to measure and mark down the walls? **Mark only one oval.*

	1	2	3	4	5	6	
Very difficult	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very easy

8. How useful was the measuring and marking down of the walls feature? **Mark only one oval.*

	1	2	3	4	5	6	
Completely meaningless	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very useful

9. Please explain your rating.

10. How easy was it to change the height of the wall? **Mark only one oval.*

	1	2	3	4	5	6	
Very difficult	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very easy

11. How useful was the wall height changing feature? **Mark only one oval.*

	1	2	3	4	5	6	
Completely meaningless	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very useful

12. Please explain your rating.

13. Which method did you prefer for marking the door/window objects? **Mark only one oval.*☐ Automatic door/window detection☐ Manully marking**14. Please explain your previous answer.**

15. How good was the tracking of the measured walls while moving around? **Mark only one oval.*

	1	2	3	4	5	6	
Awful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Perfect

16. Please explain your previous answer.

Editing Objects

17. How easy was it to manipulate the objects? **Mark only one oval.*

	1	2	3	4	5	6	
Impossible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very easy

18. How useful was the object manipulating feature? **Mark only one oval.*

	1	2	3	4	5	6	
Completely meaningless	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very useful

19. Please explain your rating.

20. Was the editing easier in the AR Mode or in the Editing Mode? *

Mark only one oval.

- ☐ In the AR Mode
- ☐ In the Editing Mode

21. Please explain your previous answer. *

22. Is there anything that can be improved in terms of editing objects? How?

User Interface

23. Rate the visual style of the graphical user interface of the application. *

Mark only one oval.

	1	2	3	4	5	6	
Awful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Perfect

24. Rate the comprehension of the graphical user interface of the application. *

Mark only one oval.

	1	2	3	4	5	6	
Awful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Perfect

25. How well did the user interface aid the mapping process? **Mark only one oval.*

	1	2	3	4	5	6	
It was too distracting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very useful

26. Were the toolbar icons upon object selection understandable? **Mark only one oval.*

- ☐ Yes
- ☐ No

27. How could they be improved?

28. Were the meanings of the placement buttons well explained? **Mark only one oval.*

- ☐ Yes
- ☐ No

29. How could they be improved?

30. How did the chosen format for tutorial/tips help to understand the application? **Mark only one oval.*

	1	2	3	4	5	6	
It didn't help at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	It explained it well

Comparison to MagicPlan

31. Which application was easier to use for room mapping? *

Mark only one oval.

☐ RoomMapperAR

☐ MagicPlan

32. What reasons made the chosen application easier to use? *

33. Which one had better features for furniture placing and manipulation? *

Mark only one oval.

☐ RoomMapperAR

☐ MagicPlan

34. Please explain what was better. *

35. Rate your overall experience with MagicPlan. *

Mark only one oval.

	1	2	3	4	5	6	
Very bad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very good

36. How likely would you be to use MagicPlan? *

Mark only one oval.

	1	2	3	4	5	6	
Very unlikely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very likely

37. Rate your overall experience with RoomMapperAR. **Mark only one oval.*

	1	2	3	4	5	6	
Very bad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very good

38. How likely would you be to use RoomMapperAR? **Mark only one oval.*

	1	2	3	4	5	6	
Very unlikely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very likely

Thank you!**39. Do you have any additional suggestions for improving RoomMapperAR? Please explain.**

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