Magic Leap One test plan

Test plan 4
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Preface

The goal of this document is to explain the requirements and goals of testing the second Magic Leap One prototype made by Greenhouse Labs. The outcome of this test is needed to measure if the ways of interaction within the prototype are intuitive.

Testing Goals

There are several goals I wish to achieve by user testing the prototype:

1. **What are the first things a user does when putting on the Magic Leap?**
    a. E.g. Is the user comfortable wearing the Magic Leap
2. **Are there any unexpected interactions with the prototype?**
3. **Is the tutorial self-explanatory? Can the user complete the task without the help of the Test leader?**
4. **Is the controller menu easy to navigate? Can the user manipulate objects and use tools with ease?**

Methods

Seeing how this user test consist of various testing goals, it's best to split the user test in multiple parts.

1. **Preparation – Lab**
   For preparation, the Magic Leap should be fully charged and rebooted. This is required for every session. A printed-out picture of the scene to recreate should be laid down the table.
2. **Interview - Field**
   The first part of the test will be done by filling in a questionnaire to answer general questions like age, profession and if it the first time wearing an AR wearable.
3. **Usability & Think-Aloud testing - Lab**
   The actual testing of the prototype. The test person will have 10 minutes to recreate the scene. This will be timed by phone. The test leader should ask the test person for feedback about what is happening.
4. **Interview - Field**
   In this last part the users are asked about their opinion about the visual presentation and control of the app. This is being tested again with an interview.

Requirements

The following requirements are necessary for executing the test:

- Test person;
- Test leader;
- Magic Leap One;
- Prototype
- Video recording (test person needs to give consent)
- Laptop with this document in word open to make notes.

Location

The user tests will be performed inside van Abbe (Meeting room) on the 3rd floor of the main building inside Greenhouse.

A table with a flat surface will be prepared to test the prototype on.

Participants

Participants of this test are people who work inside Greenhouse.

Test 1

Questionnaire 1

Question	Answer
Name	
Age	
Profession	
First time using Magic Leap?	
Knowledge of AR?	

User test – Recreate the scene

At the beginning of the test, the test person will be told that we are inside a room and we want a creative session. The person will be given a picture with the scene. The person will be tasked with recreating this scene. The test leader can help the person with navigation through the menus when needed.

Notes:

Questionnaire 2 – General Thoughts

Question	Answer
Was the tutorial clear? What could be improved?	
Was the feedback received clear (sound, haptic, visual)? What could be improved?	
Was the whiteboard clear to use? Was it clear the tool on the side was usable?	
Was it easy to replicate the scene? Context menu?	
Could this be a useful tool in the future? (when it is streamlined of course)	
Where there any physical or psychological strains? (tiredness, getting lost)	

Test 2

Questionnaire 1

Question	Answer
Name	
Age	
Profession	
First time using Magic Leap?	
Knowledge of AR?	

User test – Recreate the scene

At the beginning of the test, the test person will be told that we are inside a room and we want a creative session. The person will be given a picture with the scene. The person will be tasked with recreating this scene. The test leader can help the person with navigation through the menus when needed.

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Could this be a useful tool in the future? (when it is streamlined of course)	
Where there any physical or psychological strains? (tiredness, getting lost)	

Test 3

Questionnaire 1

Question	Answer
Name	
Age	
Profession	
First time using Magic Leap?	
Knowledge of AR?	

User test – Recreate the scene

At the beginning of the test, the test person will be told that we are inside a room and we want a creative session. The person will be given a picture with the scene. The person will be tasked with recreating this scene. The test leader can help the person with navigation through the menus when needed.

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Could this be a useful tool in the future? (when it is streamlined of course)	
Where there any physical or psychological strains? (tiredness, getting lost)	

Test 4

Questionnaire 1

Question	Answer
Name	
Age	
Profession	
First time using Magic Leap?	
Knowledge of AR?	

User test – Recreate the scene

At the beginning of the test, the test person will be told that we are inside a room and we want a creative session. The person will be given a picture with the scene. The person will be tasked with recreating this scene. The test leader can help the person with navigation through the menus when needed.

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Was it easy to replicate the scene? Context menu?	
Could this be a useful tool in the future? (when it is streamlined of course)	
Where there any physical or psychological strains? (tiredness, getting lost)	

Test 5

Questionnaire 1

Question	Answer
Name	
Age	
Profession	
First time using Magic Leap?	
Knowledge of AR?	

User test – Recreate the scene

At the beginning of the test, the test person will be told that we are inside a room and we want a creative session. The person will be given a picture with the scene. The person will be tasked with recreating this scene. The test leader can help the person with navigation through the menus when needed.

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Questionnaire 2 – General Thoughts

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Was the whiteboard clear to use? Was it clear the tool on the side was usable?	
Was it easy to replicate the scene? Context menu?	
Could this be a useful tool in the future? (when it is streamlined of course)	
Where there any physical or psychological strains? (tiredness, getting lost)	

Test 6

Questionnaire 1

Question	Answer
Name	
Age	
Profession	
First time using Magic Leap?	
Knowledge of AR?	

User test – Recreate the scene

At the beginning of the test, the test person will be told that we are inside a room and we want a creative session. The person will be given a picture with the scene. The person will be tasked with recreating this scene. The test leader can help the person with navigation through the menus when needed.

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Questionnaire 2 – General Thoughts

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