

# Consent Form

Experiment: Virtual Reality Museum 2

Experimenters: Bibi de Boer, Wouter Florijn, Xhi Jia Tan

Affiliation: Utrecht University

You are invited to participate in a research study that tests a Virtual Museum setup. In the experiment, you will be wearing a head-mounted display. You will explore a Virtual Museum. We use the capabilities of VR to add modifications to the museum.

Risks: The head-mounted display may cause temporary nausea and temporary dizziness in some users. The procedure will be stopped immediately when you indicate you are experiencing these or any other type of discomfort.

Participant's Rights: If you have read this form and have decided to participate in this experiment, please understand your participation is voluntary and you have the right to withdraw your consent or discontinue participation at any time without penalty. You have the right to refuse to answer particular questions. Your individual privacy will be maintained in all published and written data resulting from the study.

If you agree with the above-stated conditions and are willing to participate in the experiment, please sign below. By signing the form, you confirm that you meet the following conditions:

- You have read the above consent form, understood it and you agree to it.
- You want to participate in the above-mentioned experiment.

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Signature:** \_\_\_\_\_

# Questionnaire 1

1. **Name:**

2. **Age:**

3. **Gender:**

M - F - Other

4. **Do you have any previous experience with virtual reality (VR)?**

None ☐ ☐ ☐ ☐ ☐ A lot

5. **If you have any previous experience with VR, with which devices?**

6. **Do you have any previous experience with VR museum apps?**

☐ Yes ☐ No

7. **Did you participate in our previous study (the first one of the course)?**

☐ Yes ☐ No

## Questionnaire 2

1. Please rate your sense of being in the virtual museum, on the following scale from 1 to 7, where 7 represents your normal experience of being in a place.

Not at all ○ ○ ○ ○ ○ ○ ○ Very much

2. To what extent were there times during the experience when the virtual museum became the “reality” for you, and you almost forgot about the “real world” of the laboratory in which the whole experience was really taking place?

At no time    ○ ○ ○ ○ ○ ○ ○    Almost all the time

3. When you think back about your experience, do you think of the virtual museum more as 3D visuals that you saw, or more as somewhere that you visited?

The virtual museum seems to me to be more like...

3D visuals I saw ○ ○ ○ ○ ○ ○ ○ Somewhere that I visited

4. During the time of the experience, which was strongest on the whole, your sense of being in the virtual museum, or of being in the real world of the laboratory?

The real world of the laboratory    ○ ○ ○ ○ ○ ○ ○    The virtual museum

5. Consider your memory of being in the virtual museum. How similar in terms of the structure of the memory is this to the structure of the memory of other places you have been today?

By 'structure of the memory' consider things like the extent to which you have a visual memory of the museum, whether that memory is in colour, the extent to which the memory seems vivid or realistic, its size, location in your imagination, the extent to which it is panoramic in your imagination, and other such structural elements.

I think of the virtual museum as a place in a way similar to other places that I've been today...

Not at all ○ ○ ○ ○ ○ ○ ○ Very much so

6. During the time of the experience, did you often think to yourself that you were actually just sitting in a laboratory wearing an HMD or did the virtual museum overwhelm you?

During the experience I often thought that I was really standing in the lab wearing a helmet...

Most of the time ○ ○ ○ ○ ○ ○ ○ ○ Never, the virtual museum overwhelmed me

- 7. How present did you feel in the virtual museum?**

Not present at all ○○○○○○ Very present

- Never ○ ○ ○ ○ ○ ○ ○ Very often

Not at all ○ ○ ○ ○ ○ ○ ○ Very much so

The paintings    ○ ○ ○ ○ ○ ○ ○    The museum rooms

**11. Please rate your sense of being in the world of the painting, on the following scale from 1 to 7, where 7 represents your normal experience of being in a place.**

Not at all ○ ○ ○ ○ ○ ○ ○ Very much

- At no time    ○ ○ ○ ○ ○ ○ ○    Almost all the time

- A regular painting ○ ○ ○ ○ ○ ○ ○ An alternate world

- Not present at all ○ ○ ○ ○ ○ ○ ○ Very present

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

- Strongly disagree ○ ○ ○ ○ ○ ○ Strongly agree