**Demographics**

1. Participant Number 测试者编号 :
2. Age 年龄 :
3. Gender 性别: Female 女性 /Male 男性
4. Have you used an experimental AR/VR system 以前用过VR/AR系统吗?

Yes 是 / No 否

1. How would you rate your knowledge of AR? 您如何评价您对AR的了解？

None 没有了解

Basic 基本了解

Expert 非常了解

**Pretest /posttest**

1. What is the material of the Chinese lmari Covered Bowl With Floral Sprays?

青花虹彩描金盖缸的材质是：

A. Stone artifact (石器) B. Bronze (铜器)

C. Ceramics (陶瓷) D. Lacquerware (漆器)

2. What Dynasty does the Chinese lmari Covered Bowl With Floral Sprays belong to?

青花虹彩描金盖缸所属朝代是：

A. Song dynasty (宋) B. Qing Dynasty (清)

C. Ming Dynasty (明) D. Tang Dynasty (唐)

3. Where are the Chinese lmari Covered Bowl With Floral Sprays collected?

青花虹彩描金盖缸收藏于：

A. Shaanxi Museum (陕西博物馆) B. Capital Museum (首都博物馆)

C. Palace Museum (故宫博物院) D. Taipei Palace Museum (台北故宫博物院)

4. The texture that does not belong to the Chinese lmari Covered Bowl with Floral Sprays is:

不属于青花虹彩描金盖缸的纹理是：

A. Chrysanthemum (菊) B. Plum blossom (梅)

C. Sector (扇形) D. Moire (云纹)

5. Which of the following colors doesn’t belong to Chinese lmari Covered Bowl with Floral Sprays:

以下哪个颜色不属于青花虹彩描金盖缸：

A. White (白) B. Blue (蓝) C. Green (绿) D. Red (红)

6. What is the material of the Eight Corners Case (black)?

明二十四孝图八角套盒的材质是：

A. Stone artifact (石器) B. Bronze (铜器)

C. Ceramics (陶瓷) D. Lacquerware (漆器)

7. Which of the following colors does not belong to the Eight Corners Case (black):

不属于明二十四孝图八角套盒的色彩是：

A．White (白) B. Red(红) C. Yellow (黄) D. Black (黑)

8. Where is the Eight Corners Case (black) collected?

明二十四孝图八角套盒收藏于：

A. Metropolitan Museum of Art (大都会博物馆) B. Zhejiang Museum (浙江博物馆)

C. Nanjing Museum(南京博物馆) D. Shanxi Museum (陕西博物馆)

9. The cover surface of the Eight Corners Case (black) reflects:

明二十四孝图八角套盒盖面上体现了：

A. Honor the teacher and respect his teaching (尊师重道)

B. Respect the old and cherish the young (尊老爱幼)

C. Respect the old and filial piety (尊老孝亲)

10. What does "31cm" describe the Eight Corners Case (black)

“31cm”描述的是明二十四孝图八角套盒的：

A．Length (长) B. width (宽) C. height (高) D. diameter(直径)

11. What is the material of the Vajrasattva Bronze Statue?

鎏金文殊菩萨立像的材质是：

A. Stone artifact (石器) B. Bronze (铜器)

C. Ceramics (陶瓷) D. Lacquerware (漆器)

12. What Dynasty does the Vajrasattva Bronze Statue belong to?

鎏金文殊菩萨铜造像所属朝代是：

A. Western Xia(西夏) B. Western Zhou Dynasty (西周)

C. Song Dynasty(宋) D. Ming Dynasty (明)

13. Where is the Vajrasattva Bronze Statue collected?

鎏金文殊菩萨铜造像收藏于：

A. Taipei Palace Museum (台北故宫博物院) B. Nanjing Museum (南京博物馆)

C. Ningxia Museum (宁夏博物馆) D. Tianjin Museum (天津博物馆)

14. Which of the following descriptions of the Vajrasattva Bronze Statue are incorrect?

下面对于鎏金文殊菩萨描述错误的是：

A. Ranking first among all Bodhisattvas (位居一切菩萨之首)

B. It is the embodiment of wisdom and kindness, which can help the world infinitely (是智慈的化身，济世无穷)

C. Known as "Prince Manjusri Lifa" (被称为“文殊师利法王子”)

D. The mount is a lion, which means that it is as fierce and good at fighting like a lion (坐骑为狮子，意为像狮子一样凶猛善战)

15. Which dimensions of the Vajrasattva Bronze Statue are mentioned?

文殊菩萨的几项尺寸被提及?

A. Height(高) B. Length, height (长、高)

C. Width, height (宽、高) D. Length(长)

16. What is the material of the Bronze Mask with Protruding Pupils?

青铜纵目面具的材质是：

A. Stone artifact (石器) B. Bronze(铜器)

C. Ceramics (陶瓷) D. Lacquerware (漆器)

17. Where is the Bronze Mask with Protruding Pupils collected?

青铜纵目面具收藏于：

A. Sanxingdui Museum(三星堆博物馆) B. Nanjing Museum(南京博物馆)

C. Tianjin Museum(天津博物馆) D. Palace Museum(故宫博物院)

18. What Dynasty does the Bronze Mask with Protruding Pupils belong to?

青铜纵目面具所属朝代是：

A. Tang Dynasty (唐) B. Shang Dynasty (商)

C. Zhou Dynasty (周) D. Ming Dynasty(明)

19. Which of the following descriptions of the Bronze Mask with Protruding Pupils are incorrect? 下面对于青铜纵目面具描述错误的是：

A. Known as the "thousand-mile eye" (被誉为“千里眼”)

B. Known as the "ear of the wind" (被誉为“顺风耳”)

C. The face is fierce (面露凶状)

D. The eyeball is extremely exaggerated (眼球极度夸张)

20. Which dimension of the Bronze Mask with Protruding Pupils is not mentioned as:

青铜纵目面具的哪项尺寸未曾提及为：

A. Length(长) B. Width(宽) C. Height(高) D. Diameter(直径)

21. Where is the Tri-Coloured camel collected?

唐三彩骆驼收藏于：

A. Tianjin Museum (天津博物馆) B. Palace Museum(故宫博物院)

C. Nanjing Museum (南京博物馆) D. British Museum(大英博物馆)

22. What is the material of the Tri-Coloured camel?

唐三彩骆驼的材质是：

A. Stone artifact (石器) B. Bronze (铜器)

C. Ceramics (陶瓷) D. Lacquerware (漆器)

23. The height of the Tri-Colored camel is:

唐三彩骆驼的高是：

A. 37cm B. 57cm C. 67cm D. 87cm

24. Which of the following descriptions of Tri-colored camels are not mentioned or incorrect?

下面对唐三彩骆驼描述未曾提及或不正确的是:

A. The camel is a camelus bactrianus (骆驼为双峰骆驼)

B. The camel is decorated with a beast head (骆驼饰有兽头)

C. The camel hangs a saddlebag (骆驼搭挂驮囊)

D. The camel carries silk (骆驼驮有丝绸)

25. Which of the following colors does not belong to the Tri-Colored camel:

以下哪个颜色不属于唐三彩骆驼：

A. Yellow (黄) B. White(白) C. Green (绿) D. Red (红)

26. Where is the Potter Figure of a Standing Lady collected?

灰陶加彩仕女俑材质收藏于：

A. Taipei Palace Museum (台北故宫博物院) B. Nanjing Museum (南京博物馆)

C. Capital Museum (首都博物馆) D. Tianjin Museum (天津博物馆)

27. What is the material of the Potter Figure of a Standing Lady?

灰陶加彩仕女俑的材质是：

A. Stone artifact (石器) B. Bronze(铜器)

C. Ceramics (陶瓷) D. Lacquerware (漆器)

28. Which of the following descriptions of the Potter Figure of a Standing Lady are incorrect?

以下对灰陶加彩仕女俑描述不正确的是：

A. It's a burial object (是陪葬品) B. With a high chignon that has loose ends (发髻蓬松)

C. Boots are introverted (鞋靴内敛) D. Confident looking (神态自信)

29. What Dynasty does the Potter Figure of a Standing Lady belong to?

灰陶加彩仕女俑所属朝代是：

A. Song Dynasty (宋) B. Tang Dynasty (唐)

C. Ming Dynasty (明) D. Qin Dynasty (秦)

30. The height of the Potter Figure of a Standing Lady is:

灰陶加彩仕女俑的高为：

A． 36.5cm B. 57.5cm C. 75.5cm D. 98.5cm

**Questionnaire**

**Part A**

For each of the following statements, please indicate how true it is for you, using the following scale: 对于以下每一个陈述，请使用以下量表说明你的真实感受:

1 2 3 4 5 6 7

not at all true somewhat true very true

完全不正确 部分正确 非常正确

1. I did not feel at all nervous about doing the task.

我觉得这次活动一点也不觉得紧张。

2. I found the task very interesting.

我觉得这次活动很有趣。

3. I think I did pretty well at this activity, compared to other students.

做这个活动时，与其他人比较，我觉得我表现更好。

4. I felt relaxed while doing the task.

在做这次活动时，我感到非常放松。

5. I enjoyed doing the task very much.

我非常享受这次活动。

6. I am satisfied with my performance at this task.

这次活动中，我对自己的表现很满意。

7. I felt like I was doing what I wanted to do while I was working on the task.

我进行这个活动时，我觉得这是我想要做的活动。

8. I felt pressured while doing the task.

在做这个活动时，我感到有压力。

9. I felt like I had to do the task.

我觉得我有必要参加这个活动。

10. I would describe the task as very enjoyable.

我认为这个活动令人相当愉快

11. I did the task because I had no choice.

我坚持做完这个活动完全是因为我没有其他选择。

12. After working at this task for a while, I felt pretty competent.

在进行这个活动一段时间之后，我觉得我能很好的完成它。

Calculate subscale scores by averaging the items scores for the items on each subscale.

Reverse code the following items: 1, 4, 9, 11

Interest/enjoyment: 2, 5, 10

Perceived competence: 3, 6, 12

Perceived choice: 7, 9, 11

Pressure/tension: 1,4, 8

**Part B**

The following statements ask you to reflect on your experience of engaging with Application X or “this study”. For each statement, please use the following scale to indicate what is most true for you.

Strongly disagree 1 Disagree 2 Neither agree nor disagree 3 Agree 4 Strongly agree 5

1. I lost myself in this experience.

我沉浸在这段体验中忘记了自己。

1. The time I spent using the application just slipped away.

我使用应用时感觉不到时间的流逝。

1. I was absorbed in this experience.

我沉浸在这段体验中。

1. I felt frustrated while using this application.

我在使用这个应用时感到失望。

1. I found this Application confusing to use.

我发现这个应用用起来功能（或排版）混乱。

1. Using this Application was taxing.

使用这个应用很困难。

1. This Application was attractive.

这个应用很吸引人。

1. This Application was aesthetically appealing.

这个应用在设计上很吸引人。

1. This Application appealed to my senses.

这个应用吸引了我的注意。

1. Using this application was worthwhile.

使用这个应用是有价值的。

1. My experience was rewarding.

我的体验是对我有帮助的。

1. I felt interested in this experience.

我觉得这次经历很有趣。

Reverse code the following items: 4, 5, 6.

Scores for each of the four subscales can be calculated by adding the values of responses for the three items contained in each subscale and dividing by three.

**Interview**

Aims to explore the participants' attitudes and acceptance, as well as the advantages and disadvantages of the interaction style they experienced