

## 9.3 Exploratory user interview

### 9.3.1 Online Screening Questionnaire Form

- 1) Are you 18 or older?
  - a) Yes: Proceed
  - b) No: Terminate
- 2) Have you ever heard about Augmented reality?
  - a) Yes: Proceed
  - b) No: Ask the next question
- 3) On a scale of 1 to 5, where 1 is not at all aware and 5 is Extremely aware how aware are you of Augmented Reality (AR) experiences?
  - a) 1 – not at all aware
  - b) 2 – Slightly aware
  - c) 3 – Somewhat aware
  - d) 4 – Moderately aware
  - e) 5 – Extremely aware
- 4) Have you created AR content?
  - a) Yes: Ask the next Question
  - b) No: Do not ask the next Question
- 5) On a scale of 1 to 5, when 1 is not at all familiar and 5 is extremely familiar, what is your level of familiarity with creating AR experiences?
  - a) 1 – Not at all familiar
  - b) 2 – Slightly familiar
  - c) 3 – Somewhat familiar
  - d) 4 – Moderately familiar
  - e) 5 – Extremely familiar
- 6) What age-range do you fall under? Note: You should be 18 or older to participate in our study.
  - a) 18-24
  - b) 25-34
  - c) 35-50
  - d) 50+

### 9.3.2 Interview Questions and test plan

Introduction - Used to introduce the project and obtain informed consent

#### **Introduce yourself and the project**

*My name is \_\_\_\_\_. Thank you for meeting with me today. I'm working on an HCI Capstone project. Our goal is to learn how individuals such as yourself think about Augmented Reality (AR) and further understand what kind of creation tools (definition below) are being used when editing or creating content. The data we gather from this interview will support our larger research question: What features are important to enhancing the overall user experience while integrating AR into creation tools? [Content Creation Tool: Tools that assist people in creating digital and non-digital content such as documents, art, photography, music, games, tools etc.]*

#### **Explain the purpose of the project**

*The research conducted today will be used for our capstone project, and only our team will know your identity. Outside of our team, your identity will remain confidential.*

#### **Explain what will happen**

*There are no right or wrong answers to my interview questions; I want to hear what you have to say. I will take notes on what you say. This meeting should last about 30 to 45 minutes.*

#### **Informed consent**

*This activity is voluntary. You have the right not to answer any question and stop the inquiry at any time or for any reason. Your responses will be confidential and used only in connection with this class assignment.*

*We will use pseudonyms rather than your real name.*

#### **[Ask the participant if they read the informed consent form.]**

*Have you read the informed consent form? Do you have any questions about it before we start the interview?*

*We also would like to record this interview to get an accurate representation of what was said. We only need the audio but if you like you can keep your camera on. May we have your consent to start recording?*

Warm Up Questions - Build rapport and prime with storytelling and questions

1. What does your typical day look like?
2. Tell me about your favorite activity or hobby that interests you.
  - Why do you enjoy this activity/hobby?
  - Do you use any type of tools for this specific hobby?
  - What is your process when you work on this hobby?
  - What are some challenges that you face when you're (state the name of the hobby)?
3. How do you use the internet to support your interest/hobby?
4. What social media sites, if any, do you use?

Experience with Augmented Reality

- What do you know about Augmented Reality (AR)? If anything (Novice)
  - Have you watched any AR content within the last six months? (Novice)

- If yes, what was that like could you tell us a bit more? (Novice)
  - You mentioned that you are aware of AR, what kind of AR applications have you used before? \*
  - If no, ask the next question. (Novice)
- What are your thoughts on AR experiences? (Novice)
- Could you define in your own words what Augmented Reality (AR) is? (Expert)
- You mentioned you have experience creating AR content could you tell us a bit more about that? (Expert)
  - What kind of content did you create? You could tell us a bit more?
  - Could you walk us through how you would plan your AR experience? (Expert)
  - What is something you enjoyed when creating your AR content? (Expert)
  - What are some of the limitations you noticed when creating your AR content? (Expert)
  - If we could improve your experience with AR in some way, could you highlight a few things that we should keep in mind.
- Could you tell us how you got into this field and what interested you about AR experiences? (Expert)

### *Deep Focus*

Now let's shift gears to working through a scenario where I will walk you through a scene and then discuss your thoughts on it.

- (Teaching Scenario)
  - Have you ever needed to show someone how to perform an activity? Could be your hobby
  - If so, how did you go about doing it?
  - If not, how would you go about doing it?
  - Present a scenario
    - Imagine you're asked to show someone how to assemble the table you bought from IKEA. Here is an AR video that shows how to assemble a table. After watching this, we will ask some follow-up questions.
    - Show the video:  
<https://www.theverge.com/tldr/2018/3/22/17151440/conceptual-ar-app-ikea-furniture>
    - What are your impressions as to how this could be applicable to your hobby?
    - What are your impressions to have this kind of platform for your hobby?
    - Would you want to create this type of content? Why? Or Why not?
    - What aspects of this method do you find useful that you could leverage when teaching someone your hobby?
    - Is there something you find unnecessary?
- (Greeting card scenario)
  - Imagine your brother is graduating and you have been tasked with inviting family and guests to the event, please walk us through how you would plan and execute the invitation. Providing details about the tools and process you would use to accomplish this task?
  - Now let us show you a short video about AR?
    - Video 1 (Adobe Aero):  
<https://www.youtube.com/watch?v=nXdKzleVT6M>
    - Video 2 (iGreet): [https://www.youtube.com/watch?v=p7mUzgEX\\_Y8](https://www.youtube.com/watch?v=p7mUzgEX_Y8)

- Would you use AR technology to modify your invite? And if so what aspect?
- What would you find challenging about adding AR capabilities into the invite?
- Is there anything you feel could be added to improve the overall experience?

If you have note takers here is where you can ask if they have any further questions.

### **Wrap Up**

Demographics?

1. *What is your occupation?*
2. *What gender do you identify with?*
3. *What is your ethnicity?*

Brief Closing

*This concludes the interview. Thank you for talking with me today. Have a good day!*

### *9.3.3 Interview Consent form*

## **ADULT CONSENT TO PARTICIPATE IN RESEARCH**

*Interview Study for Augmented Reality (AR) Creation Platform*

**Principal Investigator:** Rija Aamir, Cindy Aronson, Rahul Kapoor, Beeta Sabbithi

**Institution:** DePaul University, Chicago, Illinois, USA

**Department, School, College:** College of Computing and Digital Media (CDM)

**Faculty Advisor:** Hank Streeter, CDM, DePaul University

### **What is the purpose of this research?**

We are asking you to be in a research study because we are trying to learn how individuals such as yourself think about Augmented Reality (AR) and further understand what kind of creation tools (definition below) are being used when editing or creating content. This study is being conducted by Rija Aamir, Cindy Aronson, Rahul Kapoor, Beeta Sabbithi, graduate students at DePaul University as a requirement to obtain his/her master's/doctoral degree. This research is being supervised by his/her faculty advisor, Hank Streeter.

We hope to include about 8 people in the research.

*[Content Creation Tool: Tools that assist people in creating digital and non-digital content such as documents, art, photography, music, games, tools etc.]*

### **Why are you being asked to be in the research?**

You are invited to participate in this study because you are familiar with or have developed

content with AR OR are interested in exploring and developing content with AR. You are also 18 or older. This study is not approved for the enrollment of people under the age of 18.

**What is involved in being in the research study?**

If you agree to be in this study, being in the research involves being in the research involves a interview with questions about your experience with in Augmented Reality (AR). This study will also include some warm-up questions at the beginning and follow-up questions at the end.

The interview will be audio recorded and transcribed into written notes later in order to get an accurate record of what you said.

**Are there any risks involved in participating in this study?**

Being in this study does not involve any risks other than what you would encounter in daily life. You may feel uncomfortable or embarrassed about answering certain questions. You do not have to answer any questions you do not want to.

**Are there any benefits to participating in this study?**

You will not personally benefit from being in this study.

**How much time will this take?**

This study will take about 30-45 minutes of your time.

**Can you decide not to participate?**

Your participation is voluntary, which means you can choose not to participate. There will be no negative consequences, penalties, or loss of benefits if you decide not to participate or change your mind later and withdraw from the research after you begin participating.

**Who will see my study information and how will the confidentiality of the information collected for the research be protected?**

The research records will be kept and stored securely. Your information will be combined with information from other people taking part in the study. When we write about the study or publish a paper to share the research with other researchers, we will write about the combined information we have gathered. We will not include your name or any information that will directly identify you. Some people might review or copy our records that may identify you in order to make sure we are following the required rules, laws, and regulations. For example, the DePaul University Institutional Review Board (IRB). If they look at our records, they will keep your information confidential. The audio recordings will be kept until accurate written notes have been made, then they will be destroyed.

**Who should be contacted for more information about the research?**

Before you decide whether to accept this invitation to take part in the study, please ask any questions that might come to mind now. Later, if you have questions, suggestions, concerns,

or complaints about the study or you want to get additional information or provide input about this research, you can contact the researcher.

- Rija Aamir – [raamir@depaul.edu](mailto:raamir@depaul.edu)
- Cindy Aronson - [caronson@depaul.edu](mailto:caronson@depaul.edu)
- Rahul Kapoor - [rkapoor4@depaul.edu](mailto:rkapoor4@depaul.edu)
- Beeta Sabbithi – [bsabbith@depaul.edu](mailto:bsabbith@depaul.edu)

You can also contact our faculty advisor:

- 1) Hank Streeter – [hstreete@depaul.edu](mailto:hstreete@depaul.edu)

This research has been reviewed and approved by the DePaul Institutional Review Board (IRB). If you have questions about your rights as a research subject, you may contact Jessica Bloom in the Office of Research Services at 312-362-6168 or by email at [jbloom8@depaul.edu](mailto:jbloom8@depaul.edu).

You may also contact DePaul's Office of Research Services if:

- Your questions, concerns, or complaints are not being answered by the research team.
  1. You cannot reach the research team.
  2. You want to talk to someone besides the research team.

***You will be given a copy [can print a copy] of this information to keep for your records.***

**Statement of Consent from the Subject:**

Please read this informed consent information thoroughly. If you have any questions or concerns, please let the researchers or faculty advisor know so that your questions can be answered. We will request your verbal consent before we begin this study. By giving your verbal consent, you indicate that you agree to

1. Participate in the research study
2. Be recorded during the study