A. Interview Study

In this interview, we are interested in learning about your attitudes towards purchasing smart devices. You'll be asked some questions about your own preferences, as well as complete a series of tasks. Feel free to ask if you have any questions or want clarification at any coint in the interview.

Part 1
In this first section, we Il ask you some questions about your thought process when purchasing a smart device.
Inapple that you are going to the store to purchase a *smart security cameralsmart light bulb. You see an entire row of products and want to choose one. Assume that the prices and functionality for all the products are the same; the only factors that differ in the standard product of the standard product of the standard products are the same; the only factors that differ in the standard product of the standard pr

Part 2.
We will now present you with a website that selfs three <smart security cameras/smart light bulbs>. Each product will be accompanied by a privacy and security label; you can think of them as nufrition labels, but they include privacy and security information about the product instead. These products are not real, and the labels have been created for the purpose of this study.

Please share your screen so we can see you navigating the well

You can click into each of them to view the labels. For each product, there are two labels, and the primary label has a subset of the information on the secondary label. This set of attributes, as well as what goes in primary and what doesn't, was chosen based on what experts fell would be most important.

Considering only your personal privacy and security preferences, explain the process of how you decide which product is the best for you among these three. You may use any of the information presented on the labels. If you don't know what a word means, left free to ask about that as well.

1. Privacy and security-wise, how do these products compare? Which has better privacy and security?

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2. How did you use the labels to make this decision?

3. How did you use the labels to make this decision?

4. Regarding the two you did not choose, what are your concerns with these devices? How did you use the label wood you have liked more clafification on? What information from the label would you have liked more clafification on? What information from the label would you have liked more clafification on? What information from the label would you have liked more clafification on? What information from the label would you have liked more clafification on? What information from the label would you was the label

Part 3

Please share your screen so we can see you navigating the app.

First, we'll give a walkthrough of the app and its features. So, when you first download the app, you're either maybe already at the store, or you download it beforehand. So, we have some customization features

First, left go to priority settings. All the attributes you see here are in the secondary label, and the ones that are checked are in the primary label. The app offers an option to view only the priority attributes, maybe the ones that you care about more, or all the attributes and you can switch between the two. So, you can take a lock and check/uncheck some of the attributes, or just keep defaults.

Next, we have the preferences feature. So, each blue header contains an attribute name, and the ones that are showing up right now are the ones you said were priorities. You can use the toggle to see all of them, and here is where you'll set your preferences for device settings. In each section, there's a row for every setting for that attribute, so there are different types of search; attributes, automatic, consent-based, manual, or no updates, and based on what you prefer, you can ask to be warned, or and the warned, and what will happen is when you're looking at device leafer on its originate of a device hashing this setting, and the app given you are warning if a device has the setting. So, right now when you're setting up the app, you can move some of the switches around to match your preferences, or keep the defaults, right now the defaults have generally been set to only being okay with the strictest setting in each attribute.

Ok, so this is generally what you would do when you first get the app, and then every time you go to the store to buy a new device, you can modify it or keep it already set. So, now, let's go to the scan feature to see the products, so click on that. This would mimic scanning a OR code or barcode on the product box to get some more information about it. This time, you want to purchase a <smart security camera/smart light bulb.

When you click into a device, you see that it has red and white columns, and this corresponds to the red and white from your preferences, so you can see which settings you want to be warned about and which you don't.

Now, explain the process of how you would decide which one is the best for you. You may use the app in any way you'd like. We encourage you to explore the app's features, and feel free to ask any questions that you have about it.

- Privacy and security-wise, how do these products compare? Which has better privacy and security?
 Which device would you purchase? How does it compare to your personal privacy and security preferences?
 How did you use the app to make this decision?
 Regarding the two you did not choose, what are your concerns with these devices? How did you use the app to reach these concerns?
 What information on the app would you have liked more calification on? What information did you disregard? Why?
 Is there any information you would have also liked to know that you didn't see on the app?

- Follow-up questions

 1. What are the pros and cons of having the app vs. the label?

 2. What are your overall impressions of the app?

 3. Which features were most helpful to you?

 4. Did you approach the purchase process differently for the two different types of loT devices (light bulb and security camera)

- setures that participant used?

 How did up use this feature?

 An object use the seture?

 On a scale of 1 to 5 with 1 being not straightforward and 5 being very straightforward, how would you rate this page in terms of ease of use?

 What improvements could be made to get it to a 5?

 Which parts of the feature do you believe are currently misplaced, unnecessary, or missing?

 How does the implementation of this feature compare to what you had envisioned?

<If participant changed their preferences to be more relaxed>

 Why did you change your preferences? What does it mean if a device has this setting?

Wireframes
Next, we've prepared some wireframes for a potential recommendation feature in the app.

Anytime a user is looking at a particular product, they would be able to select a mode to get some recommendations based on a particular metric.

Fined mode

Similar mode

Personalized mode

- What are your initial impressions about this feature?
 Do you feel that this would be a necessary addition to the app for you? In what case would you use this feature?
 How might this feature be improved?

- Demographic questions
 Finally, we have some general questions about your background and some follow-up questions on the app.

 1. What age range are you in 7 (16-20, 30.39, 40-49, etc.)

 2. Describe your technical background (e.g. degree, occupation, etc.).

 3. What is your experience with using lot I devices?

 4. What is your experience with upruchasing lot I devices?

 5. What is your experience with upruchasing lot Tedvices?

 6. How strongly do you consider privacy and security of lot I devices?

 7. How likely are you to use this app when purchasing your next lot device?

 8. How likely are you to recommend this app to a friend who is purchasing an lot device?