

Ethnographic Research Study: Property Claims Augmented Reality (AR) iPhone App

Moderator's Guide

In-Home Usability Sessions in the Boston area: April 4-5, 8-9

Location: Boston area

Research Leads

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Study Goals and Key Questions

Goals:

- 1. The primary goal of this study is to see if this proof-of concept app is **desirable** to customers.
- 2. A secondary goal is to see if this app is **viable** for Liberty Mutual. For example, can it collect enough information to bypass physical visits by adjusters to customers' homes.

Key Questions:

- Would customers like using it?
- Do customers understand the app and process flow?
- How do customers react to the app emotionally?
- Does the AR work for measurements?
- Does the manual method work for measurements?
- Do participants demonstrate a preference between the two measurement methods?

Logistics:

STUDY DATES: Thursday, April 4 – Tuesday, April 9

DESIGN: A total of 12, 90-minute, in-home interview sessions

SCHEDULE: below; 3 sessions per day, with at least 60-minute breaks in between

INCENTIVES: \$200 in compensation

• IN-PERSON OBSERVATION: Room 470, 9th Floor, WeWork, 501 Boylston Street, Boston

• REMOTE OBSERVATION: Validately links have been sent to the team

Testing Schedule: 12 slots 90-minute, in-home interview sessions

Date	Participant	Time			
Thursday, 4/4 Observer: DSG		Please ensure that the UX team has enough time (one hour) between sessions to travel to the next home/condo.			
Moderator: Bob	1	10:00 a.m. – 11:30 a.m.			
Notetaker: Susan Moderator: Bob Notetaker: Susan	2	1:00 p.m. – 2:30 p.m.			
Moderator: Susan Notetaker: Bob	3	3:30 p.m. – 5:00 p.m.			
Notetaker. Box					
Friday, 4/5 Observer: DSG		Please ensure that the UX team has enough time (one hour) between sessions to travel to the next home/condo.			
Moderator: Susan Notetaker: Bob	4	10:00 a.m. – 11:30 a.m.			
Moderator: Bob Notetaker: Susan	5	1:00 p.m. – 2:30 p.m.			
Moderator: Susan Notetaker: Bob	6	3:30 p.m. – 5:00 p.m.			
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Monday, 4/8 Observer: Jake		Please ensure that the UX team has enough time (one hour) between sessions to travel to the next home/condo.
Moderator: Mali Notetaker: Robin	7	10:00 a.m. – 11:30 a.m.
Moderator: Robin Notetaker: Mali	8	1:00 p.m. – 2:30 p.m.
Moderator: Mali Notetaker: Robin	9	3:30 p.m. – 5:00 p.m.
Tuesday, 4/9 Observer: None		Please ensure that the UX team has enough time (one hour) between sessions to travel to the next home/condo.
Moderator: Robin Notetaker: Mali	10	10:00 a.m 11:30 a.m.
Moderator: Mali Notetaker: Robin	11	1:00 p.m. – 2:30 p.m.
Moderator: Robin Notetaker: Mali	12	3:30 p.m. – 5:00 p.m.

Informed Consent, Introduction & Pre-task Questionnaire

(10 Minutes)

Have the participant read the consent agreement, ask any questions, and sign the consent agreement form if they agree.

We	come	&	Introd	uctions

 Thank you very much for allowing us into your home today. My name is 						
	and I work for my company in the digital experience department and these are my					
	colleagues, who will be taking notes so we can improve our designs based					
	on your feedback and who will be observing today.					
•	Our goal is to learn whether people like you would be interested in using our app. We					
	want to evaluate how easy or difficult our products are to learn and use.					

- The session will take about 90 minutes, so we'll be done at ______. Is that OK?
- The most important thing to keep in mind, it is the **software we are testing, not you.**
 - If there's anything difficult or unclear, that's exactly the type of thing we're looking to fix. We want to hear your open and honest feedback on what is clear and what is unclear to you. You are the expert.
- I'll guide you through today's session and ask some questions as you are running through the tasks.
- During the tasks, you'll be working with a prototype, or early design. Any information you enter today will not be saved and will therefore be thrown away.
- I'd like you to think aloud while going through the tasks today.
 - Describe your steps, what you are looking for, what you're expecting to see, etc.
- We'll be recording the session, and others may be observing remotely.
 - We'll be recording the screen and a headshot of you, so we can show people that we're having real people look at our designs and help evaluate those designs with us.
 - Recordings are used for research purposes only, so you don't need to worry about showing up in an ad or anything. Only our small team has access to the recordings.
- We can stop conversations at any time, we want you to be comfortable. We can't thank you enough for taking the time to help us. Any questions before we begin?

Pre-Task Questionnaire

Participant can fill out ahead of time or onsite while we're setting up the tech.

LINK TO QUALTRICS SURVEY

Which do you use more, an iPhone browser	☐ iPhone	☐ iPhone	Both equally
or iPhone apps? Why?	browser	apps	
When do you prefer to use an iPhone app			
vs. an iPhone browser?			
		,	
Approximately how many apps do you have	☐ Fewer	□ 10 - 20	More than 20
on your iPhone? How often do you use	than 10		
them?			
How do you define an app that is really			
"helpful"?			
What features in an iPhone app do you find			
"helpful"?			
What iPhone app do you find most helpful,			
and why?			
·			
What is your email address?			

Setup

[SETUP: USE BLUE TAPE or POST-IT NOTES. Floor. Wall. Personal Property. GET MEASUREMENTS OF ENTIRE ROOM. DON'T PUT TAPE OR POST-ITS ON WALLPAPER.]

WiFi: Ensure that both the iPhone and the usability computer are on the same WiFi network. You can use the MiFi:

- MiFi Network
- MiFi Password

Task 1: Pre-Task Questions (5 Minutes) – Not in the Survey, First Part of In-Person Interview

Great. I know when you were invited to participate in this research study, we asked you a few questions. I have a few more for you before we begin testing the app.

Pre-Task Questions

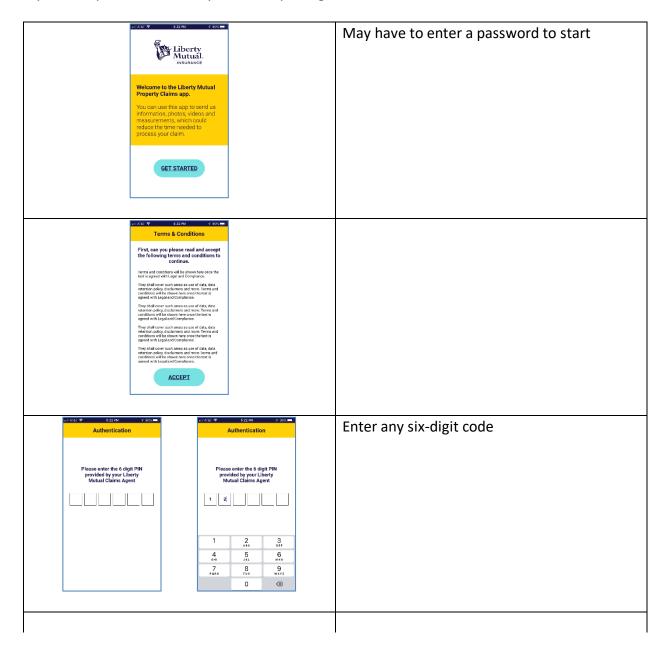
Who is your current property insurance provider?	
How long have you been with them?	
Have you ever had to file a homeowner's or	
condo owner's insurance claim?	
If yes: When was the last time?	
What happened that caused you to file a claim? (I'm sorry to hear that happened.)	
Did it turn out okay?	
What did you like best and least about filing your claim? What worked well? What didn't work well?	
How did you file the claim?	Desktop / mobile website / app / phone call / in person
If no: If you had water damage in your	Desktop / mobile website / app / phone call / in
home, how would you go about filing a	person
claim?	
If there was water damage in one room of	
your house what would you do?	

Task 2: Scenario

Imagine that you have had a water leak that resulted in some minor damage to a room in your home. You have called your insurance company and after asking you some questions, the representative suggests you provide information through an app. You have decided to try it. Please open the app and tell me what you would do.

[SETUP: USE BLUE TAPE. Floor. Wall. Personal Property. GET MEASUREMENTS OF ENTIRE ROOM. DON'T PUT TAPE ON WALLPAPER.]

If you can speak out loud as you're completing this task, I will listen.



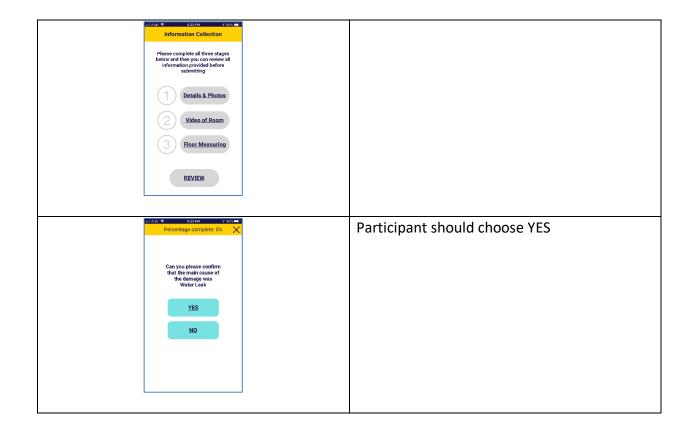
Task 3A: Enter Information – 1. Details & Photos

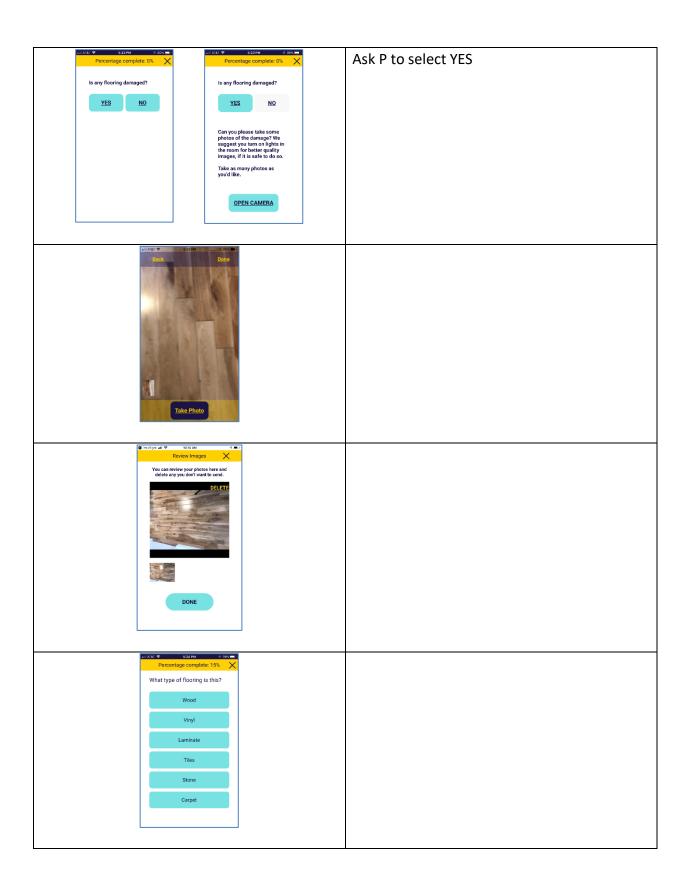
Now that you have launched the app, please walk me through what you would do. Note that in this task, you have floor, wall, and personal property damage.

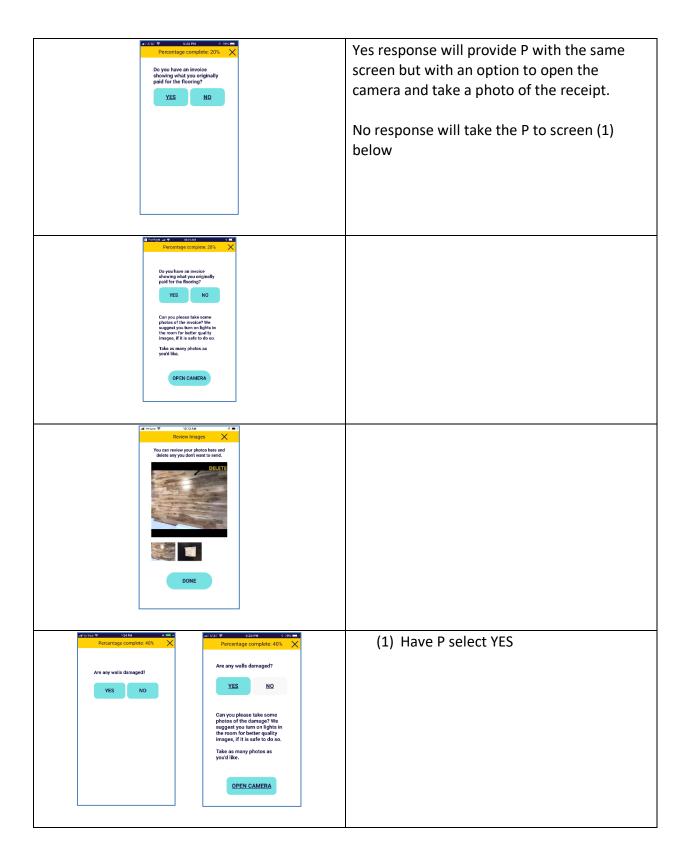
Task Questions

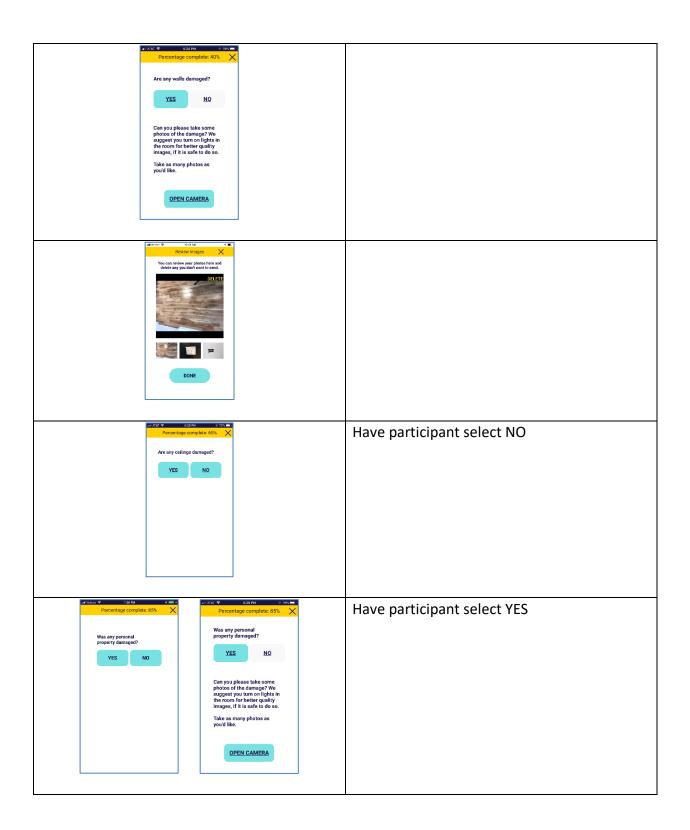
Note down the following:

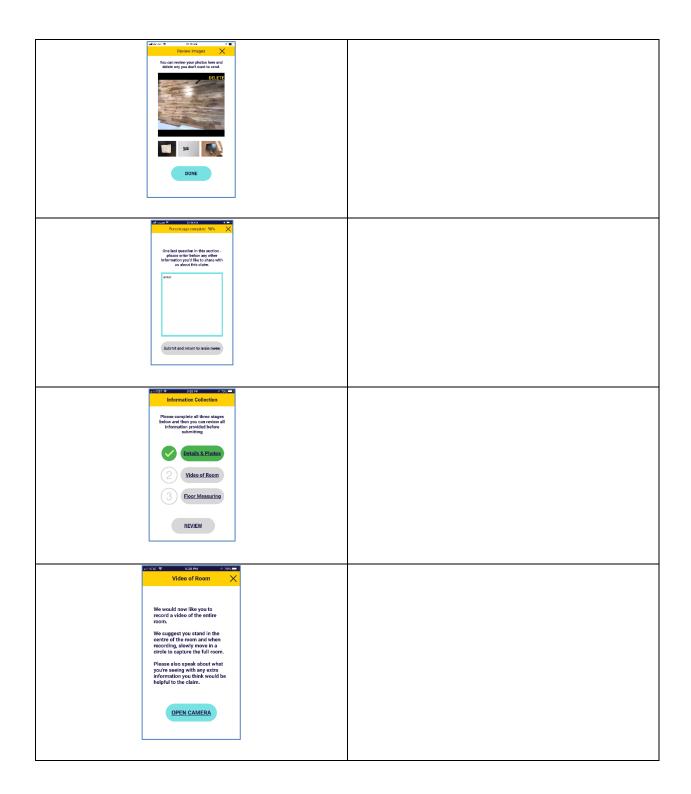
- Are they able to follow the instructions without prompting?
- Which method of floor measuring do they choose?
 - a. Are they able to understand the directions for the AR measuring?
- What causes confusion?









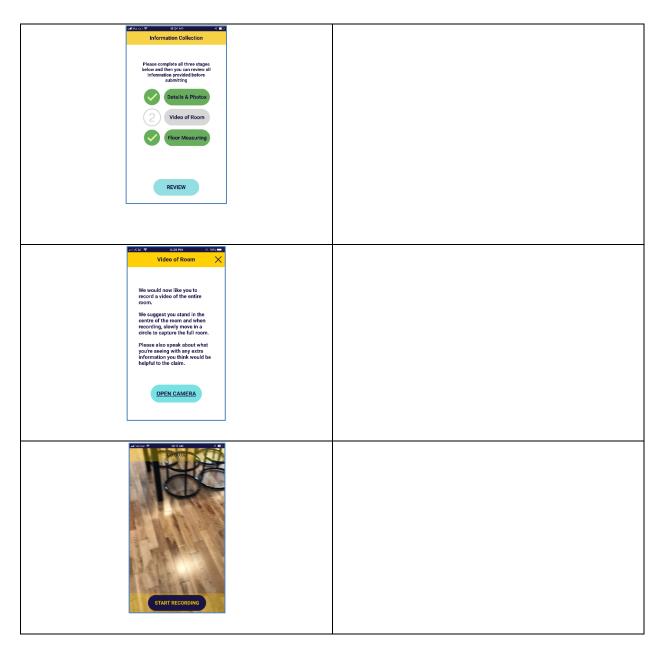


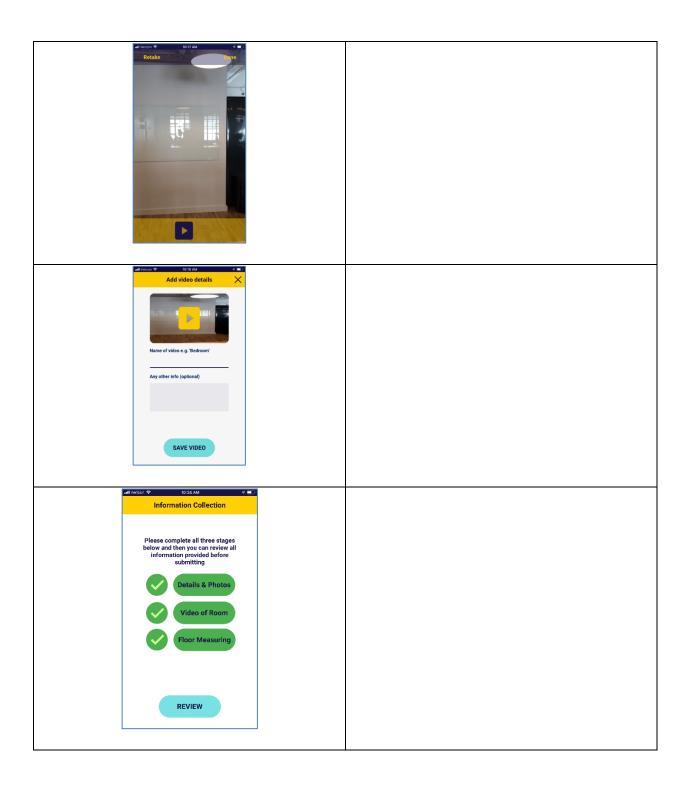
Video Task (5 Minutes)

Please show what you would do.

Note to Moderator:

- Stop screen sharing in Validately
- Audio only for observers
- Remote observers will not be able to observe this task





Video Capture

	Did you expect to need to take a video of the property damage? Comment on your preferred approach.					
	a. Do you feel you were required to take a video to continue?					
2.	Did you receive the feedback you need to know that you have taken the video?					
3.	[if necessary] How would you expect this screen to work?					
4.	[if necessary] What would make this screen easier to understand?					

Task 3B: Enter Information – 3. Floor Measuring

Please walk me through what you would do next.

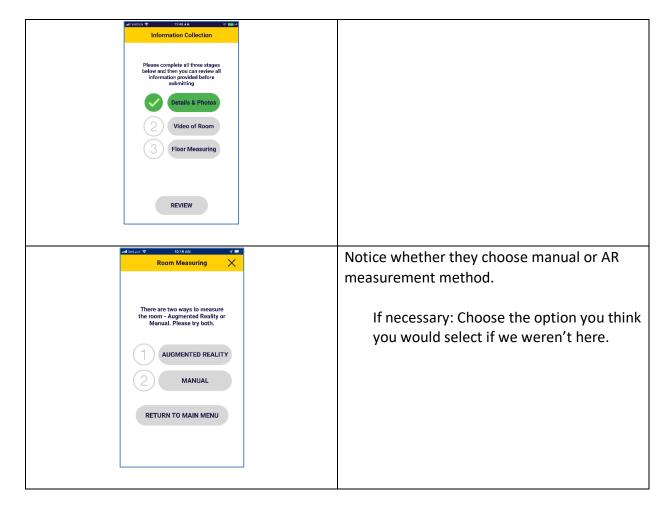
Note to Moderator:

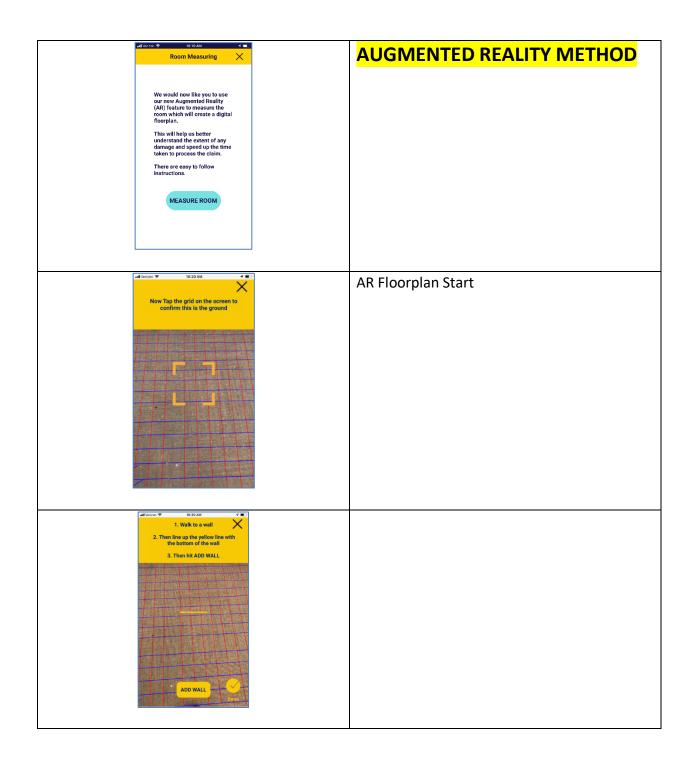
START screen sharing in Validately

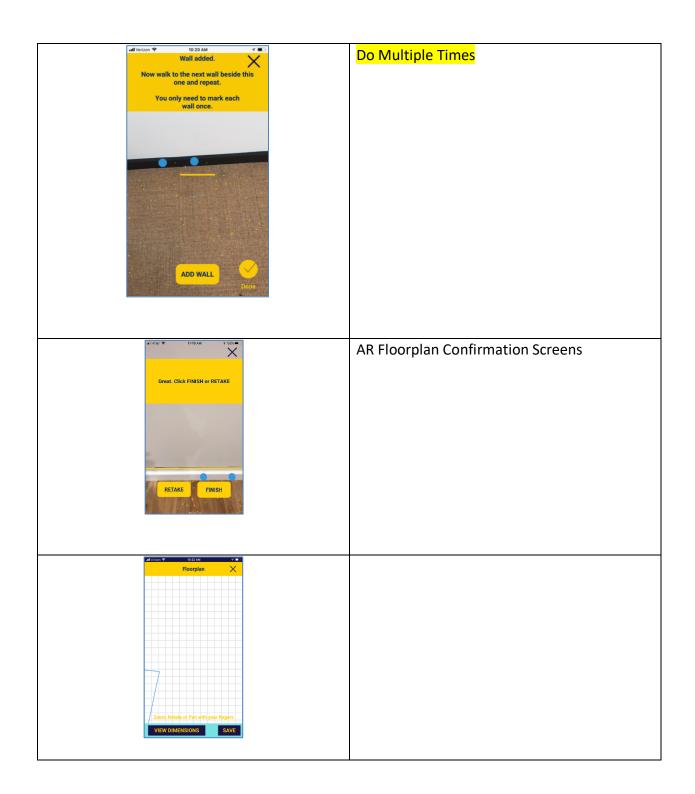
Task Questions

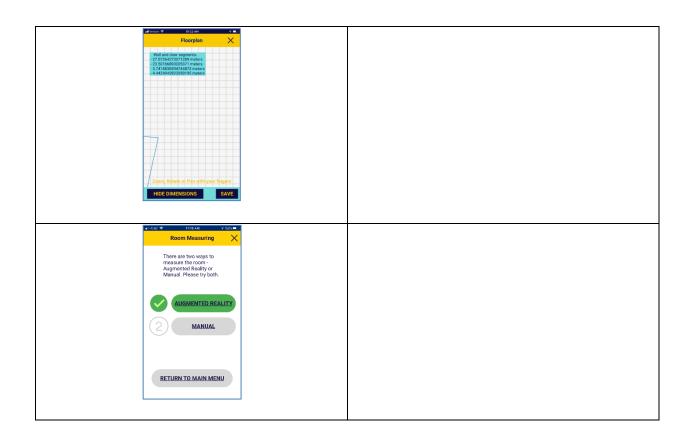
Note down the following:

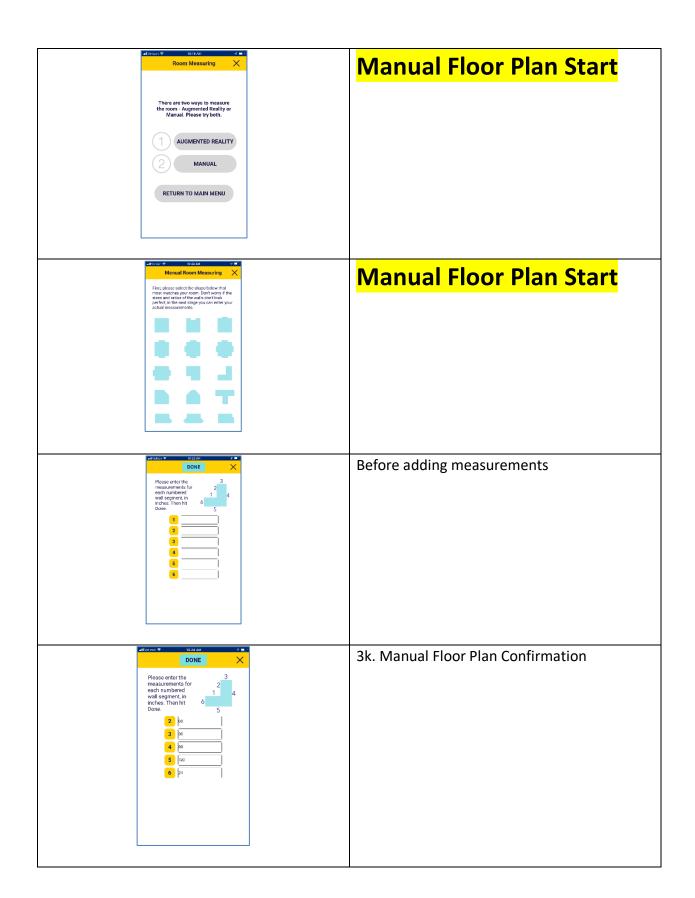
- Are they able to follow the instructions without prompting?
- Which method of floor measuring do they choose?
 - a. Are they able to understand the directions for the AR measuring?
- What causes confusion?











Room Measuring There are two ways to measure the room - Augmented Reality or Manual. Please try both.	Screen display after completing Manual method
RETURN TO MAIN MENU	
Information Collection Please complete all three stages below and then you can review all	
Information provided before submitting Details & Photos Video of Room Floor Measuring	
REVIEW	

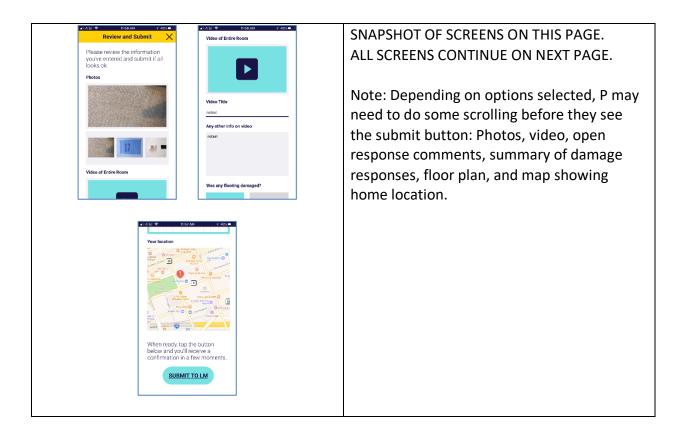
Task 3C: Enter Information – Review & Submit

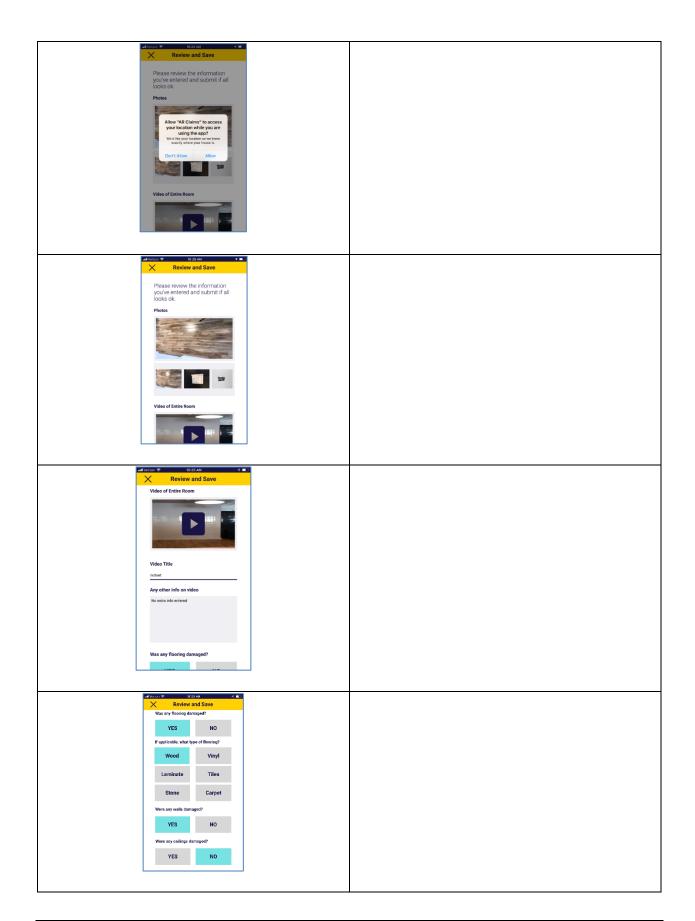
Please walk me through what you would do next.

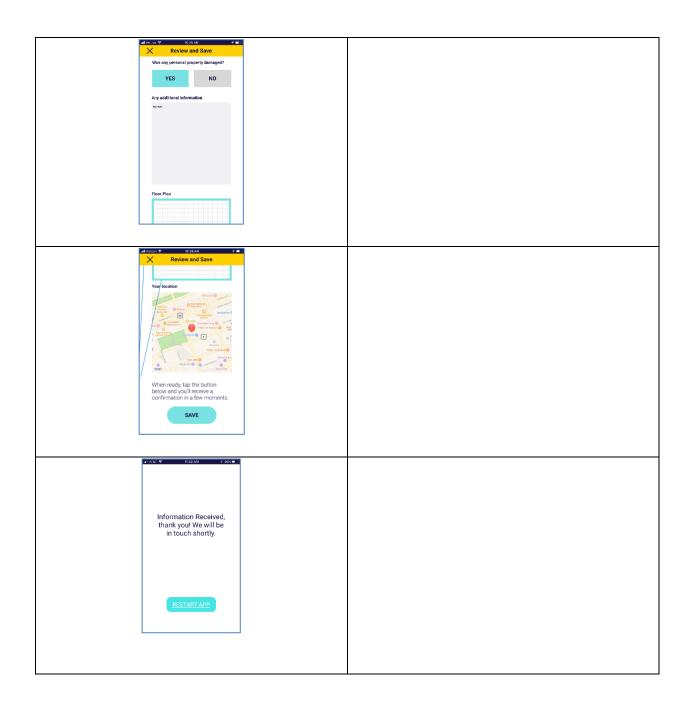
Task Questions

Note down the following:

- Are they able to follow the instructions without prompting?
- Which method of floor measuring do they choose?
 - a. Are they able to understand the directions for the AR measuring?
- What causes confusion?







Task 4: Application Retrospective: Passcode (5 Minutes)

Let us start back at the beginning. You opened the application and were greeted with some instructions followed by a passcode screen. What was your impression of these screens?

• What did you like best?

• What did you like least?

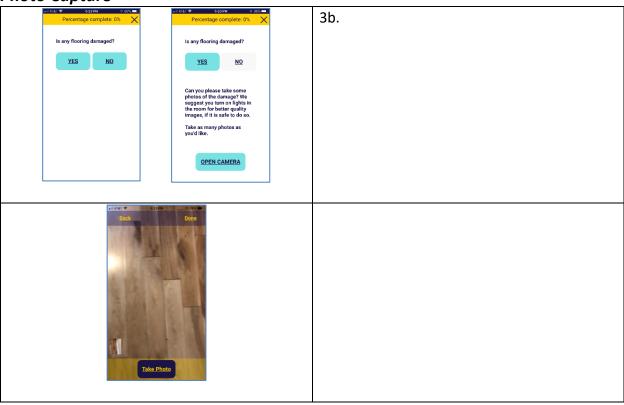
What would you change?

Task 5: Application Retrospective: Entering Information (10 Minutes)

Now, thinking about the process of entering information for a property claim for a home or condo and your experience using the application, is this what you expected to do?

• Was it clear to you where you were in this process?

Photo Capture



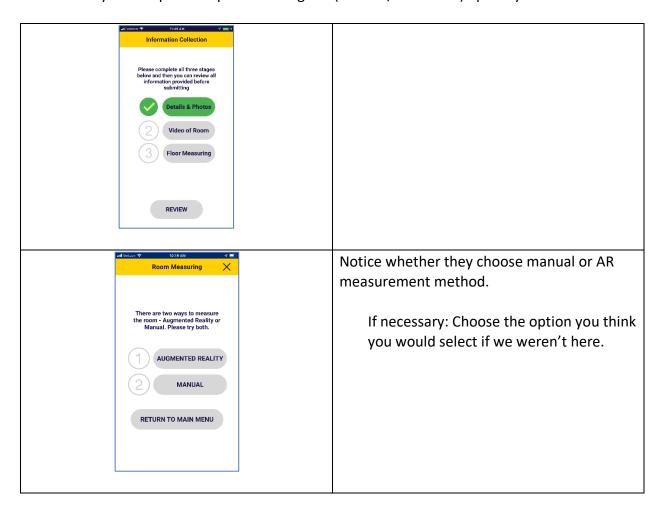
- 1. Did you expect to need to take a photo of the property damage? Comment on your preferred approach.
 - a. Do you feel you must take a photo to continue?
- 2. How many photos would you take of the damage? How many would you expect the application allows?
- 3. Did you receive the feedback you need to know that you have taken the picture?
- 4. [if necessary] How would you expect this screen to work?
- 5. [if necessary] What would make this screen easier to understand?

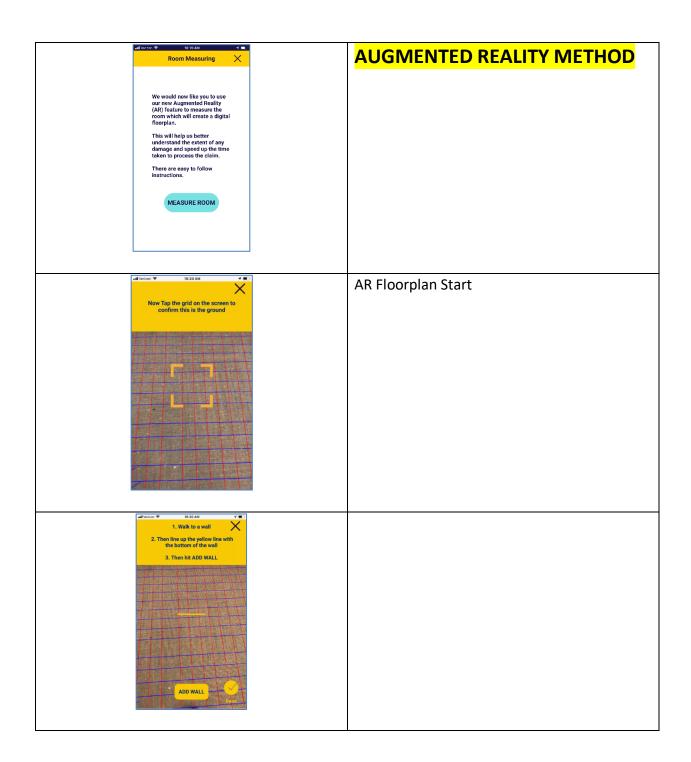
Task 6: Room Measurement: (15 Minutes)

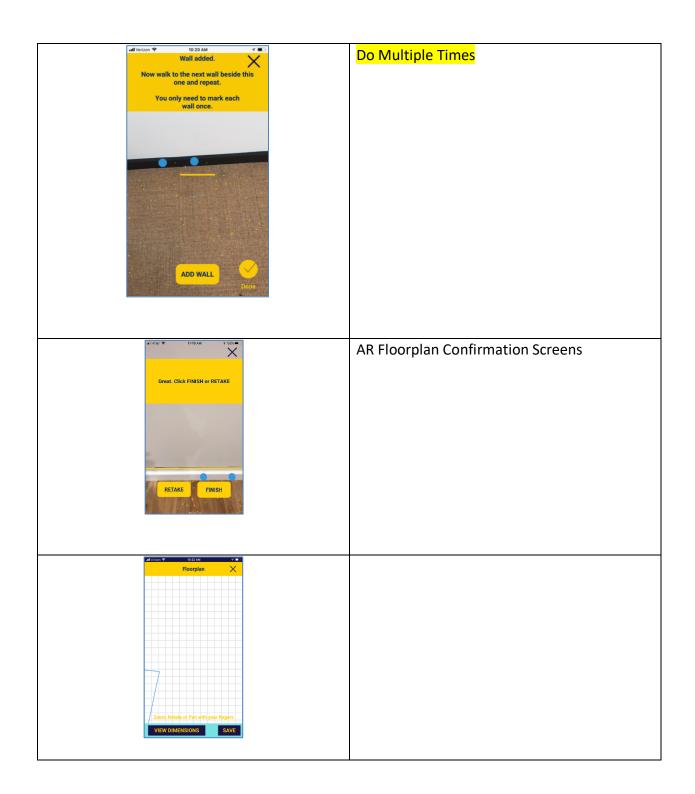
I noticed that you selected the (manual/automatic) option for measuring the floor. Can you tell me why you selected that option?

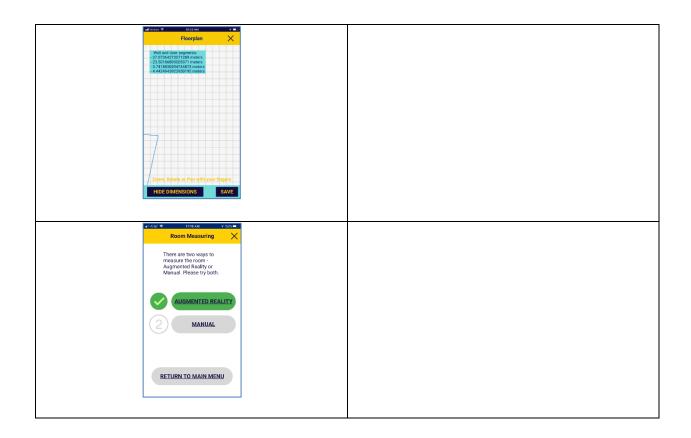
- What did you like best about using it?
- What did you like least about using it?
- Is there anything you would change?

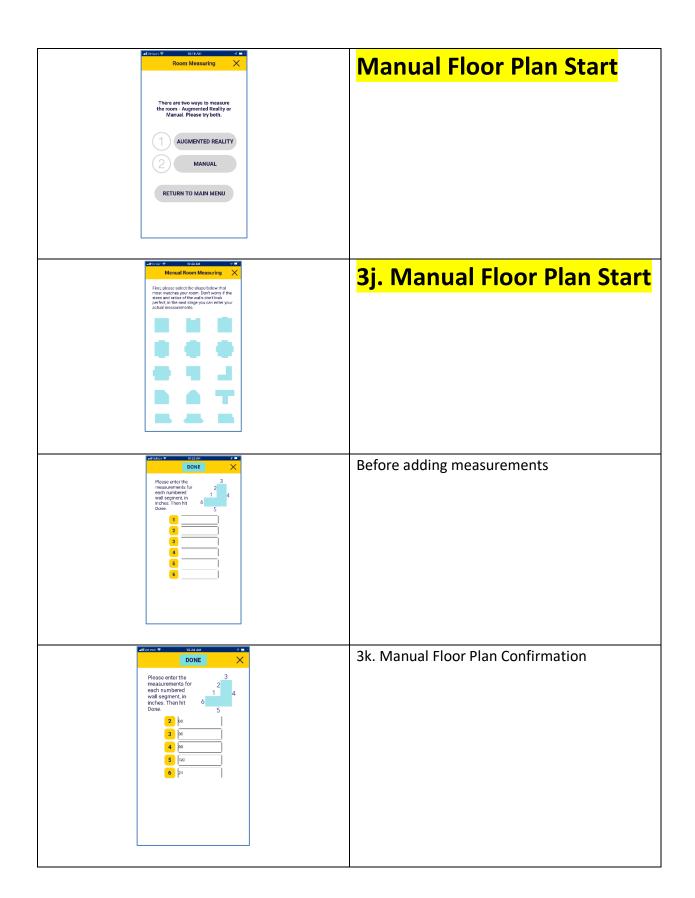
Now I'd like you to repeat the process using the (manual/automatic) option you did not select.

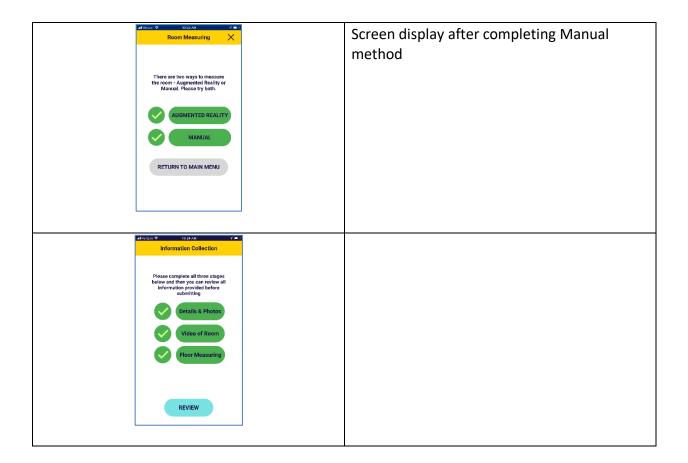












- Did you find that easier or harder than the method you used the first time?
- If you had to use the app in the future, which method would you choose?
- Why do you feel that way?
- Do you think you need to do both methods? Would you?

Post-Task Questions (10 Minutes)

LINK TO USERZOOM SURVEY (Grades, Likerts, Emotional Reaction Words only)

1.	What is you	ur overall impr	ession of the a	pp? Please giv	e the app an ov	erall grade fro	m "A" to "F."	
	Grade:							
		 ou give this grad	de?					
	vviiy ala yo	a give tills grac						
2.	Where 1 is Why?	Very Difficult a	nd 7 is Very Eas	sy, how easy o	difficult was it	for you to use	this app?	
	Very						Very	
	Easy						Difficult	
	1	2	3	4	5	6	7	
	-		-	<u> </u>			<u> </u>	
3.	-	-	eded help, how hat? Use the ap		tain it? [Note h	ow help would	be obtained.	
4.	If you could	d make change	s to the app, w	hat would the	y be and why?	Is there any ke	y functionality	
	missing tha	at you feel wou	ıld help you file	a claim?				
	[As approp	oriate, allow pa	articipant to go	back to the ap	pp.]			
5.	. What did you like best about the app?							
6.	What did yo	ou like least ab	out the app?					
7.	As a result	of using this ap	oplication, how	likely are you	to consider Lib	erty Mutual w	hen next	
	shopping fo	or insurance?						

8. Does this application affect the way you view Liberty Mutual as a company?

9.	Where 1 is Not At All Likely and 7 is Very Likely, how likely or unlikely would you use an app like this
	if you had to enter claim information in the future? Why?

Not At All						Very	
Likely						Likely	_
1	2	3	4	5	6	7	

10. Where 1 is Not At All Likely and 7 is Very Likely, how likely or unlikely would you download an app like this from the App store?

Why? [Probe on whether or not they would want to access this functionality from a browser/website]

Not At All						Very
Likely						Likely
1	2	3	4	5	6	7

11. Have you ever used other applications similar to this one?

12. If you had a property claim in the future and filing it via this app was an option, would you use it?

13. If you had had this app when you last filed a claim, would you have used it?

Emotional Response (5 Minutes)

Here is a list of words that may describe how you feel about this application. Please select the top three words that describe your reaction to using this app to file a claim.

Appealing	Fun	Organized
Busy	Hard to Use	Overwhelming
Clean	Helpful	Practical
Confusing	Impractical	Professional
Credible	Inconsistent	Relevant
Cutting edge	Innovative	Responsible
Easy to use	Intimidating	Straightforward
Effortless	Intuitive	Trustworthy
Engaging	Irrelevant	Unhelpful
Frustrating	Irresponsible	Unreliable