

Usability Testing Plan

Herp Atlas Project – Team Frog Finders

Team Members

Developers

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Setup and Requirements

- Location: research lab in Rekhi Hall
- Hardware: Android device, charging cable
- Software: Herp Atlas app pre-loaded onto the Android device
- Information for participants:

Pre-task Script

Welcome! My name is Blade Frisch, and I'm conducting this usability test today. Before we get started, I want to give you this consent form and explain a little of what it means. There is no known risk or cost to participating in this testing, no identifying information is collected by us, and only the professor of your class and Dr. Pastel, the professor of our class, have access to any identifying information. If you are okay with this and wish to continue to participate, can you give your verbal consent? If you are not okay with this or change your mind during any part of the testing, just let me know and we can end this testing and your information will be discarded.

Great, thank you! Before we get started, I just have a couple of background questions for you.

Thanks for answering these! The app we are testing today is an Android app that is designed to collect information on herptile, or amphibians and reptiles, sightings and about in the state of Michigan. Now, I'm going to give you a couple of scenarios and ask you to complete some tasks.

Pre-task Questionnaire

- Have you ever used a smart phone before? If so, for how many years?
 -
- What is your previous experience using mobile apps?
 -
- Have you used an Android device before? If so, for how many years?
 -
- What is your previous experience using Android apps?
 -
- Do you know what a herptile is?
 -
- Do you ever go out for walks or hikes? If so, what kind of places do you typical visit?
 -

Scenario 1 – Record a Herptile

- **Scenario Description:**
 - You have recently heard about Herp Atlas, a mobile app that lets you record details about any amphibians or reptiles you see outside, and decide to give it a shot.
- **Quantitative Measurements:**
 - Ternary success – failed, made observation with help page, made observation with no help
 - Number of attempts to submit
 - Number of required fields missed
 - Number of edits to form
- **Goals:**
 - Evaluate the ability to make an observation
 - Determine if/how the users will search for help within the application

Task 1

- You've downloaded the app before going on a walk in the local park and you see a frog next to a pond while on your walk. You want to record this sighting in the app.

Task 2

- You see another herptile as you're finishing your walk and want to start an observation to get the latitude and longitude, but you don't have time to finish the entire form and want to save the in-progress form to fill out later.

Scenario 2 – Manage Previous Observations

- **Scenario Description:**
 - After using Herp Atlas a couple of times, you'd like manage your complete and in-progress records and double-check your settings for record management.
- **Qualitative Measurements:**
 - Ternary success – failed, managed records with help page, managed records with no help
 - Number of navigation attempts
 - Number of attempts to submit
 - Number of required fields missed
 - Number of edits to form
- **Goals:**
 - Evaluate the ability to complete in-progress observations
 - Evaluate the ability to change the record management settings

Task 1

- Now that you are home, you would like to complete the form that you began on your earlier walk

Task 2

- You would also like to change the settings so that your records will automatically upload

Post-task Script & Interview

Thanks for completing these tasks! Now, I want you to rate a few statements about the app on a five-point scale from Strongly Disagree to Strongly Agree. There is also a Not Applicable option if you feel that the statement does not apply to your experience.

Great, thanks for filling this out! Next, I want to ask you a couple of open-ended questions about your experience with the app.

- What did you like best about using the app?
 -
- What did you like least about using the app?
 -
- If you could change and/or keep anything about this app's design, what would it be?
Why?
 -

Thank you for your answers! That is all we have for you today. Do you have any questions for me that I can answer now? If anything comes up, please feel free to contact Dr. Robert Pastel, who will make sure any questions are passed on to the appropriate person. Have a great day!

Post-task Questionnaire

- I thought this system was easy to use:
 - Strongly Disagree
 - Disagree
 - Neutral
 - Agree
 - Strongly Agree
 - N/A
- I thought this system was simple to use:
 - Strongly Disagree
 - Disagree
 - Neutral
 - Agree
 - Strongly Agree
 - N/A
- The system gave error messages that clearly told me how to fix problems:
 - Strongly Disagree
 - Disagree
 - Neutral
 - Agree
 - Strongly Agree
 - N/A
- It was easy to find the information I needed:
 - Strongly Disagree
 - Disagree
 - Neutral
 - Agree
 - Strongly Agree
 - N/A
- The organization of information on the system screens was clear and well-organized:
 - Strongly Disagree
 - Disagree
 - Neutral
 - Agree
 - Strongly Agree
 - N/A

Bug Report Form

Bug # _____

Bug Session: Date _____ Time _____ Participant # _____

Bug Name:

Bug Description:

Testing Challenges

Challenge # _____

Challenge Session: Date _____ Time _____ Participant # _____

Challenge Name:

Challenge Description: