

Usability Test Results

MI Herp Atlas Mobile App

Team - MI Herp Atlas Mobile App

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Process

1. Test Instructions
 - *Platform: In person*
 - *Roles: Administrator, Participant, Observer*
2. Pre test survey and questions
3. Test scenarios
 - *Test scenario 1 - Recording a New Observation*
 - *Test scenario 2 - Update Map/Location*
 - *Test scenario 3 - Update Date*
4. Post-test questions
5. Post-test interview
6. Bug report
7. Technical challenges



Summary: Usability Test Results

1. **Objective** - Evaluate the effectiveness and efficiency of the application.
2. **Focus** - Usability, UI, Ease of use, able to understand what the application is about
3. **Participants** -
 - a. Number of participants - 8
 - b. Major - STEM
 - c. Education - Undergraduate/ Graduate
 - d. Proficiency - With a couple of exceptions, good experience with technology.
 - e. Challenges - The tests went well, and the participants were able to engage throughout.
 - f. Compensation - Credits/Points

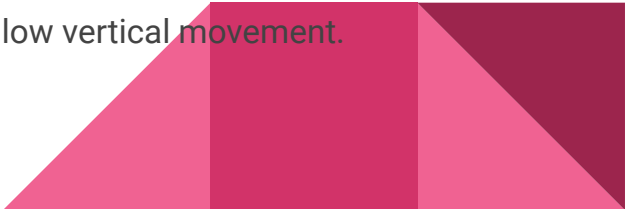


Summary: Usability questions

1. Satisfaction - 9
2. Ease of use - 8
3. Navigation - 8.5
4. Functionality - 8
5. Recommendations - 8



Bugs and challenges


- **Date Popup** - Originally, it took two clicks to open the date selection menu. This issue was fixed after the second usability test session.
 - **App Responsiveness** - Users perceived the app as slow to respond during testing. This could be due to various factors and might require further investigation.
 - **Error Handling** - The app was not properly handling form errors. Even after users corrected their input, the error message persisted.
 - **Unfamiliarity with DATUM and Township** - Users reported difficulty understanding the concepts of "DATUM" and "Township" within the app.
 - **Limited Map Functionality** - The current map functionality appears to only allow vertical movement.
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Recommended changes for the app

Form

- **Note Placement** - Users found it confusing to have notes placed below the "Advanced Options." It's recommended to move the notes section above the advanced options for better clarity and user flow.
- **Advanced Options** - The advanced options section appeared cluttered to users.

Options

- Increase the text size for the "**Species**" option to enhance readability.
 - Include an "Unknown" option for the species selection to account for situations where users cannot identify the specific amphibian or reptile.
 - **Diseased Option** - Similar to the species option, add an "Unknown" selection for the "Diseased" option to address scenarios where users are unsure about the animal's health status.
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Recommended changes for the app

Design

- **Help Option** - Users had difficulty finding the "Help and Support" option. It currently appears to blend in with the overall Android design and might not be easily recognizable as a distinct feature within the app.
- **Text Overlap** - An issue was identified where text overlaps other elements after a form is uploaded.
- **Contrast and Outline** - Users expressed a desire for more contrast and a clearer outline around the "Manage Records" button to enhance visual distinction and improve user interaction.
- **Upload Button Functionality** - Users requested additional functionalities associated with the upload buttons. It's recommended to explore adding features such as progress bars, confirmation messages, or the ability to cancel uploads.





Q&A