

Herp Atlas: Preliminary Usability Testing Results

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Scenarios & Tasks

- Two main app features: **creating** observation & **editing** observation
- Two scenarios total to cover both features
- Two tasks per scenario:
 - Scenario 1:
 - Create and submit **complete** observation
 - Create and save **incomplete** observation
 - Scenario 2:
 - Edit incomplete observation
 - Modify upload settings

Metrics

- Both scenarios
 - Quaternary success:
 - Success/fail, with/without help
 - Number of attempts to submit
 - Number of required fields missed
 - Number of edits to form
 - Only needed if required fields missed
- Scenario 2 only
 - Number of navigation attempts

Quantitative Results

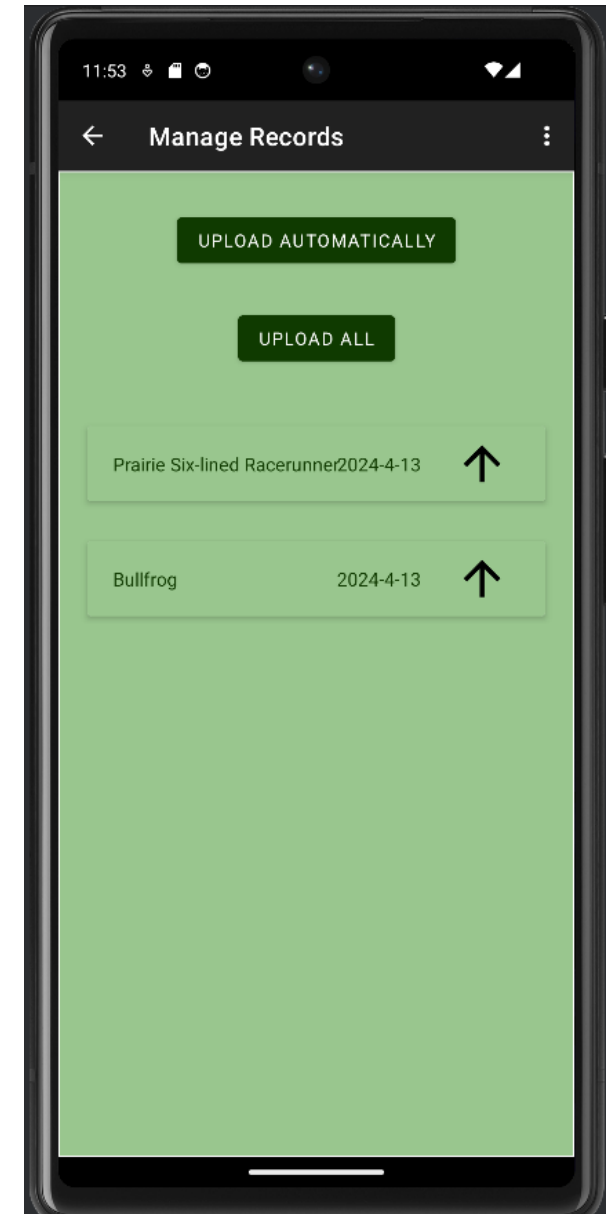
- ***Note: first two participants could not complete task 2.1 (edit observation)***
- All participants made complete observation
- Only one user correctly saved incomplete form
 - One went to help page
- All participants edited observation
 - One went to help page
- All modified settings
 - All but one participant used the overflow menu

The screenshot shows a mobile application interface for 'Add Record'. The top status bar displays the time 11:16, signal strength, and battery level. The app header includes a back arrow, the title 'Add Record', and a three-dot overflow menu. The main content area has a green background and contains the following elements:

- An 'EXIT' button in the top right corner.
- The title 'Animal Entry Form' in a large, bold font.
- An 'ADD IMAGE' button below the title.
- A 'Group*' dropdown menu with the text 'Select Group' and a downward arrow. To its right is a link: 'Need Help with identification? View our [Species List](#)'.
- A 'Species*' dropdown menu with the text 'Select Species' and a downward arrow.
- A 'Quantity Observed*' input field containing the number '1'.
- An 'Age' dropdown menu with the text 'Select Age' and a downward arrow.
- A 'Sex' dropdown menu with the text 'Select Sex' and a downward arrow.
- A 'SELECT DATE*' button.
- A map showing a geographical area with green land and blue water, with the word 'WISCONSIN' visible in the bottom left corner.

Qualitative Results

- Most participants found the app simple to use
- Some participants wanted help guides about the app
 - Currently only help on observation information, not app itself
- Participants suggested:
 - Greater color contrast on observations page
 - Adding time to observations



Bugs

- Two categories: functionality & UX
- Functionality – 5 total
 - 1 caused a crash
 - 4 impacted testing tasks but did not cause a crash
- UX – 3 total
 - Save and exit flow was not clear
 - No participants uploaded image
 - Multiple asked for that feature
 - User can navigate away from observation page without prompting save

Recommendations

- Make save and exit flow more understandable
- Clarify add image flow
 - Currently not required at submission but will be required later by Herp Atlas team
- Add app help guides to the help page