

Preliminary Usability Test Results

Team 5: Fire Watch

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About Asher App

- Asher is an app for post-fire assessments, used by field teams and scientists.
- Field teams use it to capture essential data and images of ash samples.
- Scientists analyze this data to evaluate the impact on affected areas.
- **Features:** Submit form, update last created form, and view data.
- In short it's a **Data Collection Application.**

Test Setup

- 8 Sessions
- Mode: In-person
- 3 Developers + 1 Participant + 1 UX Consultant (Me)
- 1 session - 1 hr scheduled time

Testing Process

- Consent from Participant
- Explained app description to participant
- Explained the test scenarios
- Asked to perform testing
- Recorded observations
- Post-testing questions

Test Scenario - 1

Form Experience:

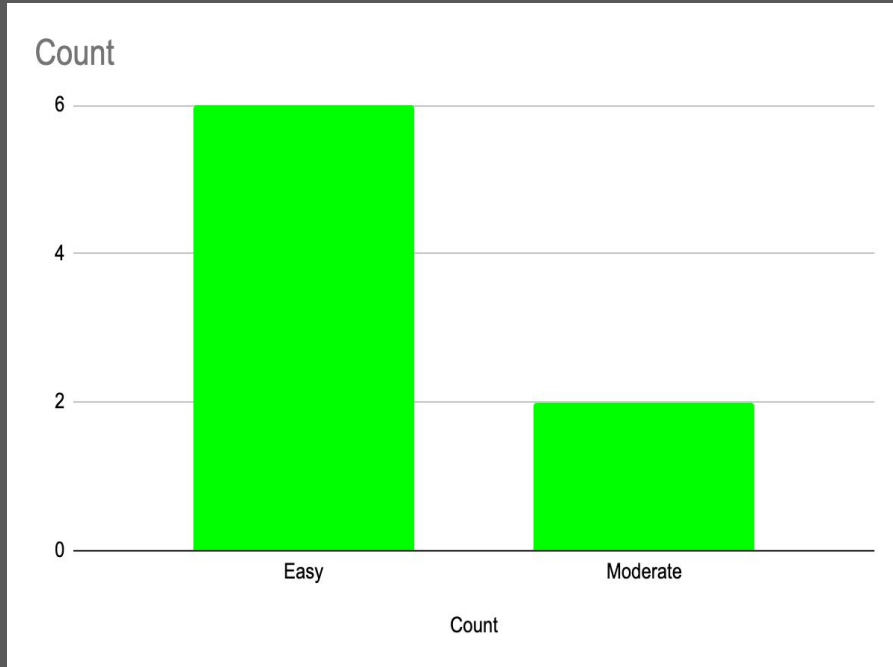
- Participant login to the app and begin the new form, upload the image to the form, select the ash color in the interactive ash panel and fill the remaining fields in the form and submit.
- To test the fields, ash panel interactive experience using it.

Test Scenario - 1

Results:

- All participants were able to successfully upload the image.
- Interactive ash panel is not working. So no participant tried.
- Two participants not able to submit the form due to scroll down Issue. (fixed).

Test Scenario - 1



- **Ease of filling the form:**
 - 6 (Easy)
 - 2 (Moderate)
- **Average time to fill form:**
 - 1.1 minutes

Test Scenario - 2

View data and Edit Submitted records.:

- Participant access the recently submitted form and make edits to it and resubmit. View submitted form data.
- To test the edit functionality and validate the accuracy of information when viewing data.

Test Scenario - 2

Results:

1. 4 participants were able to view the last submitted form.
(deployed after 4 sessions).
2. 2 participants were able to view and edit and resubmit the form.
(Not worked first 6 sessions - fixed).

Test Scenario - 3

New user registration, login to app and geolocation field in form.:

- Participant register as a new user, login to the application using the credentials and navigate to begin new form to check if the geolocation field automatically populating the value.
- To test new user registration form, login form and geolocation field.

Test Scenario - 3

Results:

1. New user registration functionality is not yet deployed.
2. All participants were able to login to the application successfully.
3. Geolocation field is populating with values.

Bugs

1. After logging in, when navigated to the back page the application redirecting to the login page again.
2. Password field is not made as a mandatory field.
3. When try to view the last submitted form, showing the last submitted form to the application irrespective of the last login form submitted by the logged in user.

Bugs

4. Camera”, ”delete”, and “rotate” icons are not working in form page.
5. Uploaded image in the submitted form is not showing in the “Continue Last Created Form” and “View Last Form”.

Recommendations

1. Indicating the latitude and longitude for the geolocation boxes.
2. Back button could be included in the form page.
3. Making the ash ruler interactive.
4. Developing the new user registration page.
5. Showing confirmation after form submission.

Thank You