



Assignment 4
Design Changes
Team Volcano

Cognitive Walkthrough Notes

During the walkthrough we received a lot of suggestions on design changes we could/should use on our app. We took good notes of all of these suggestions, talked them over as a group to see which were practical and from there talked to our graduate students and our scientist. We were able to come to a general conclusion on what the design changes would be and they are listed and explained better below. Some of them are very small things to change on our views, others were database design changes, admin changes etc.

Consider switching menu and logo on the title bar

This is a change we are happy to implement and a simple one. Our sketches are simply, sketches, so it's not a big design change at this time. We are going to make the change before creating the actual frontend. It will also better fit the trends of other apps and web apps of this type.

View and delete buttons too close together. Use confirmation and/or long press for delete?

This is another easy change for us. Once again since we have not started programming our front end this is just a simple change to make on our sketch. When creating the front end we are going to add steps to delete something, some kind of confirmation. Although some people will find this "annoying" especially if they use the app frequently, in the long run it can help save a lot of data from accidentally being deleted etc.

Provide examples of common plume heights

This was a change we talked to our scientist about and one in which he was thinking about himself. He is going to help us using images he already has to make a mock up of a plume height, the color etc. So we can show the users an example. It was a good point brought up by the class as well as the graduate students that plume is not something we traditionally hear everyday so it will be important especially to the tourists visiting for the first time to have a frame of reference. It will also hopefully help us receive more accurate data.

What does height of the lava flow mean?

This is a design change that is similar to the common plume example. We are going to have examples provided by the scientist that we are going to incorporate just to give a quick example of what the lava flow will look like the height etc. We are also going to make the forms very simple and incorporate sliders and dropdowns so it's as easy as possible for the users.

Slider for plume height? differentiate between height/width for lava flows

We are going to incorporate a lot of sliders for widths and heights, this will atleast give us more accurate data without such big outliers. We are also going to make most of the options dropdowns. This is going to help make it more intuitive for the user as well as get better data.

Miscellaneous Form

The grad students suggested this one and we liked it as well as the scientists. There are a couple worries about just having a form to submit photos and notes with nothing required. It may be difficult to figure out what the image is of as well as what the notes are related to etc. For the most part although we think it may be a good idea. It may get us more data from the users, this way they are more likely to just submit an image if they can't figure out each field and we are more likely to get user input.