Post-Interview Notes 2/12

Asher App
- We discussed with the scientists that Pastel is steering us toward making a web application.
  - He told us that IOS rules and regulations can be tricky to work with.
    - The scientists asked about the possibility of making an Android application, as they use Androids on the field.
      - We previously thought that they were using Apple devices, but that was from Ms. Miller's experience.
- If we are making a web application, how will that work without an internet connection?
  - How could they load the site?
- Ask Pastel if the server will be transferable. This was a question that was brought up by Ms. Miller.

Login Page
- Discussed with the scientists about having a login page after giving them time to think it over.
  - Discussed how Pastel mentioned they would need to have another centralized database.
  - If a user does not have the credentials to login they can continue as a guest.
    - Have to figure out how we could sync their form to a non-existent account.
    - If the guest is allowed to submit a form we discussed that their could be a warning message in the database so people are aware it was from a guest user.
      - They could then approve this form to stay in the database, which would make the warning disappear, or deny it, which would delete it from the database.
        - If they are allowed to submit this, it could lead to security issues, false information, or numerous forms that contain false information being submitted that would then have to be sorted through.
  - There will be both individual user logins and team logins.
- If a user needs to get login credentials, they will need to do so on the form.
  - This should send a request to the admin where they can get the information of the user who requested credentials (as they will fill out some information that will be sent to the admin so they know who it is for) and give them their username and password.
    - How will the password be decided?

Admin
- How would we be able to allow an admin to approve or deny a user requesting credentials?
- How will more admins be created?
  - There will need to be more than one admin.
    - Discussed sharing an account.
    - Possibly let an admin go into the user database and change another user's role to be an admin?

Database
- If a user is logged in, they should be able to view and also download the database.
- A user should only be able to edit the database on entries that they have submitted.
- Scientists are going to get more information about the database they currently have online.
- We discussed with our scientists that we will make our own database to upload the data to.

Moisture Level
- Instead of having a text description box be the location of the moisture level information, we are going to implement a way to put whether the ash/ soil is wet or dry, if it has rained, or if it is raining.
  - They want to know of evidence of raindrop splash or if the area is physically wet at the time of filling out the form.

Form Information

- For the User/ Team Name field the user should put their name and the team name they are on if they are on a fire assessment team.
- If there are multiple people working on one form, only one person needs to enter their name into the form.
- We are getting rid of the "Is volcanic ash present?" question.
- For the roots question, they would like more detail if the user clicks yes.
  - Possibly a dropdown menu that may have similar descriptions to "slightly charred"
    - The scientists are going to think on this.
- For geolocation, as it may not always be correct we want the application to fill out the latitude and longitude, but the user can edit it if they need.
  - We also discussed getting the precise location from the geolocation of the picture.
- All the information on the form will be required information.
  - If the user has not completed part of the form, they can only save and exit.
  - They should be stopped and told what they need to complete still if they try to save and submit.
- The scientists are in agreement that a help view page is not needed for the Asher app at this point.

Scientist Meeting Availability

- 5 PM EST works for both Ms. Miller and Ms. Lewis.
  - Mondays are the best days for Ms. Lewis, but any other weekday she could make work.
  - Ms. Miller is okay with any weekday at 5 PM EST.
- We will have our next meeting when we have our next update for our scientists.

Questions Asked:

- How do you know which plot they are at? Geolocation can sometimes give an area range but not always the exact spot you may be standing in.
    - Would you want a title area for which plot they are working at? Where they can put Site 1 plot 2?
- Did you want the question for volcanic ash being present?
    - Would you want similar formatting for what we do for the "Have the roots been altered from pre-fire condition" question?
        - Yes or no answer?
        - Text-box description?
- Do we want to save partially completed forms?
    - Have a "Save and Exit" to main page?
    - Have a "Save and Submit" button?
    - "Delete" button?
    - Then the main page could have a "Begin New Form" button
        - Will begin a new form.
    - Or the main page could have a "Continue Form" button
        - Will take you to unsubmitted forms that may be partially filled out.
        - How could this be stored?
            - Would it be tied to the user? Would need a login database then?
            - Or could it be stored on the device's local storage?
- What should be the required information?
    - What needs to be filled out in order for the user to save and submit the form?
        - What do you feel is not required, if anything?
- How is the database currently organized?
    - Is each site stored in one "folder" and then allows you to see other "folders" of plot 1, plot 2, etc.?
    - Ask about getting database sample data for database.
        - Make our own schema or ask for their schema.
- Pastel wants us to make a website instead of making an IOS application.
    - We plan to make the website formatable to be used on a smartphone or tablet.

Questions Discussed in Previous Meeting That We Went Over:

- If they wanted to do login information, they would need to have a centralized database to store the data. Do they want to have another database?
- Logging in
  - Do we need different types of pages for the different users?
  - Will each user have a unique login?
    - Will you want each user to create their login? Or one account per team that everyone shares?
      - For individuals, you could then see who uploaded the data for that particular plot ID.
      - For one account for an entire team, you would not know who submitted it, but we could make an area to enter the user's name.
        - Will have an area for user to submit their name or team name.
- Database:
  - Do they want to have the database available on the application?
    - Post-fire assessment teams and the scientists will only be able to view the data.
    - Administrators (Sarah) will be able to change or erase data.
- Going to get back with info on what current survey is.
  - What it looks like, and what questions are currently being asked.
  - Article(s) on ash.
  - Going to send the ash ruler once it has finished being made.