Initial Scientist Meeting
1-19-21
All members in attendance

Kristen is a third year PhD student at Virginia Tech

1. Please tell us about your app idea?
    a. Partially focused on environmental sensors
    b. Start building up a dataset for students to use
        i. Would be a good base app on its own
    c. How do the trails impact stream quality?
    d. Have a way to update others on trail conditions - save people from traveling to trails that aren't in riding conditions.
    e. Want stream gauge data - level of the stream
    f. End goal of creating predictive model for trail conditions based on stream gauge data

2. Who are the users of your app?
        i. Students/Researchers
        ii. Trail Users
        iii. Government
        iv. Trail managers?
    b. Should there be different privileges between different users?
        i. Publicly Available, Anyone can view
        ii. Login for Students/Government

3. What data should the app collect?
    a. GPS tag problem areas - different areas dry at different rates
    b. Notify that conditions are clear
        i. Try to get the specific trail that they traveled on.
    c. Mark specific problems
    d. General observations as an option

4. When or where will the app be used?
    a. Before / during / after using the trail
    b. Undergrad students
        i. No way to track trail conditions currently
        ii. Create a predictive model
        iii. Common occurrences e.g. when the stream is at a certain level

5. What information or content does the app show the user?
    a. See above for differences between users.
    b. Trail conditions

6. Should people need to log in to submit trail reports?
    a. Need an account?
        i. It's the default. No strong opinion.

7. Does the app need to incorporate existing data from the stream level sensors?
    a. Wouldn't worry about this right now. Maybe as a stretch goal down the road.
    b. Possibly separate entries for trail users vs trail managers

8. After summarizing the major findings of the interview:
    a. Ask your scientists if they have any questions or comments that they like to make.
        i. Looking forward to next meeting
    b. Tell your scientists that you will email them a summary of the meeting describing your understanding of the app.
    c. Confirm your date, time and media for your second interview with your scientist.
        i. 4:30 via zoom
    d. Say thank you