

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