Jan 17, 2024 | ▭ CS4760 Team 3 Stormwater Scientist Meeting

Attendees: Lela Root   CS4760 Team 3 Stormwater   Jessica Alger

Notes
[Other More Different Notes](#)

Previous App:

ui.cs.mtu.edu/greenspace

Ask about interviewee

- Would you like this meeting to be recorded for later reference?
  - Yee
- Tell us about yourself. Career, academic background.
  - Civil Engineering PhD student at MTU focusing on urban greenspace
  - Focusing on southeast MI and how urban spaces affect stormwater flow

General Application Background

- Give us some background on Green StormWater Infrastructure. What is it?
  - Green areas that are build to capture rain water to help control flooding
  -
- Dr. Pastel mentioned that this project was already attempted in the past, what did you like/not like about the previous implementation?
  - Make the map work better
- Who do you see as the primary users/target users of this application?
  - High school students and teachers' primary focus. Future expand out
  - University prep high school students urban ecology
- Do you have any documents such as flyers, forms, or spreadsheets that you can share with us?
  - Can probably use old website (don't include quizzes)

Deeper Application Information

App Content

- What information or content does the app show the user?
  - How should the content be organized?
    - ▪
  - Did you have any idea for what sections of the app you wanted to split things into?

- ■
- In addition to the location data for GSI locations, what other information should be in the app?
    - ○ What sources to use for general information
        - ■
- Would you want external media to be prepared to go along with the app?
    - ○ Such as a presentation video to pitch the idea to the high school students and explain it in a way that would be engaging to them.
        - ■
- Do you have any mock-ups or ideas for what the app might look like?
    - ○
- Do we need to do research and write the information or can the app content be sourced somewhere?
    - ○

App Functionality
- Be able to export app data (csv) or table view
- What data should the app collect?
    - ○ Obviously location and measurements, but what specifically?
        - ■
    - ○ i.e. How is green stormwater infrastructure measured?
        - ■ What units, qualitative or quantitative, etc?
            - Picture
            - Dimensions (area)
            - Make note of observations
- What is a GSI Project?
    - ○ What are the components of a GSI Project?
- When or where will the app be used?
    - ○ Which districts or areas in Southeast Michigan should be on the map?
- How do you want to differentiate between the public and students? (there seems to be a desire for distinct functionality between the two) Accounts? Other user types (admin)?
    - ○ (If accounts) What do you want for account management?
- What are your desires for the picture uploading portion? (Uploading process/viewing process)
    - ○ Any particular image formats?
    - ○ Should a photo upload location be based on the user's device location or a custom location of their choosing? Or both?
    - ○ Are users other than students able to upload? (If non-students can have accounts)
        - ■ Possibly available to the public in the future?
    - ○ Will there be any content moderation in place to review or remove submissions?
        - ■ Teachers and Scientist will act as moderators

- Are there any other ideas you have for the app you'd like to share with us?