Male in his mid 20’s, in market for a house, single, finishing med school, bit of experience with plants and enjoys the work involved, grew up with smart phone in hand

1. Understanding User Needs and Pain Points:

1. Can you tell me about your experience with managing soil moisture and nitrogen levels for your trees or plants? Doesn't have own house yet but many years taking care of mom and grandma’s lawn and flowerbeds

2. What challenges do you encounter when it comes to monitoring and maintaining optimal soil conditions? Watering was based on last time it rained. Fertilize was timed as well - in spring. All pretty much best guess as to whether it is needed or not.

3. How important is it for you to have real-time data on soil moisture and nitrogen levels? Would be nice with busy lifestyle. Take guesswork out and save time

2. Exploring Current Practices and Tools:

1. What methods or tools do you currently use to track soil moisture and nitrogen levels? Not really tracked, more of a combination of intuition, timing and observation

2. How satisfied are you with the effectiveness of these methods or tools? Works fairly well, but not fool proof. Works best with grass, not nearly as well with flowering plants.

3. Are there any limitations or frustrations you experience with your current approach? Waiting to long kills off grass, doing it wrong has severe consequences

3. Gathering Feedback on Desired Features and Functionality:

1. What features would you consider essential in an application designed to help with monitoring soil conditions? An alert for when something is wrong. Automation if there is a sprinkler system that will allow it. It has to be simple.

2. Are there any specific functionalities or capabilities you would like to see included in such an app? Instead of having to enter moisture and nitrogen levels for different sensors for different plants, have a drop down list.

3. How do you envision integrating alerts or notifications for low nitrogen levels and moisture? Message on phone and option to automate watering (have to authorize to start watering). Option to completely automate if predetermined (going on vacation and no wifi or service).

4. Discussing User Experience and Interface Preferences:

1. What qualities do you look for in the user interface of a mobile application? Simple but functional

2. How important is ease of navigation and simplicity in the design of an app like this? Important but wants apps that do more than one thing

3. Do you have any preferences or suggestions regarding the layout or organization of information within the app? Seperate sections for water and nitrogen, graphs for each, tabs between weekly, monthly, and yearly stats. if automated how may times sprinklers were turned on and when