3 Ideas For Software Gardening Project
Team 0 (Null)

- Three sketches/outlines/descriptions of proposed software solutions to the clients described need
- Does not need lot of detail more on how we envision the software working
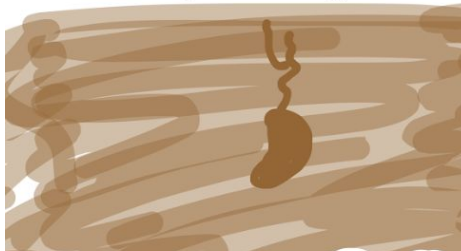- Few lines of text describing how it acts or it could

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IDEA 1: Simple and Approachable
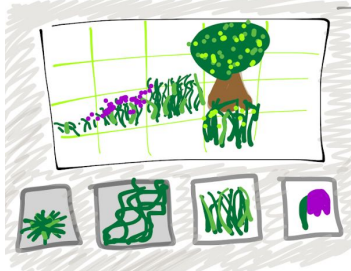
Then...
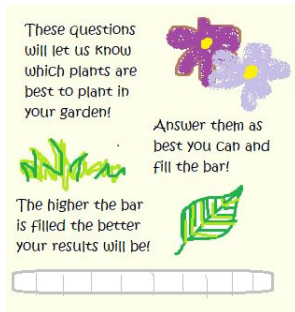
Note*** → The questionnaire will filter plants as the user answers questions. So, if at any point the user has answered the questions so they are unable to plant anything, the following screen will show up and they will be directed to go back and see if they can change anything.

Please select the option that best applies to your garden!
- How much moisture is in your soil
  - Drop down menu
- Where is the sun's placement according to your garden?
  - Drop down menu
- How much shade does your garden get?
  - Drop down menu
- What is the quality of your soil
  - Drop down menu

Do you already have plants in your garden? (Trees, shrubs, weeds, plants you've planted, etc)
- Option yes/no

Are any of the following near or in your garden?
  - List common obstacles

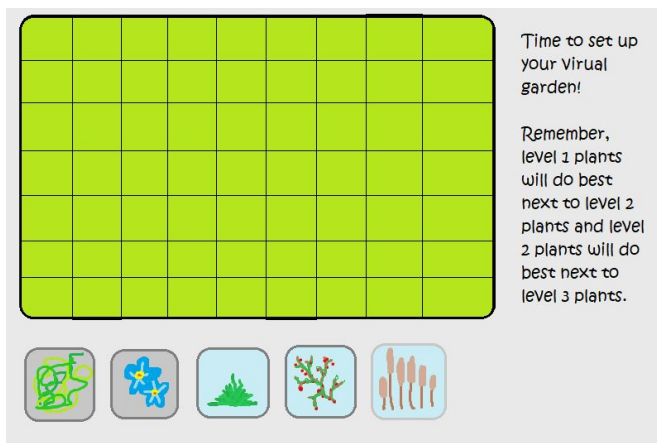When would you like your new garden plants to bloom?
  - User can select a range for the date

How soon do you plan on starting your garden?
  - User selects a date

- As plants are put into the inventory…
    - There are bars at the bottom that will fill up based on
        - Moisture increase from the plants
        - Each plant level chosen

(each plant in the inventory will have level/zone number in top right and the name will be below the image)

- User will be able to set up their garden area by placing their
- User can click on their inventory and start placing their plants in their garden

User clicks finish when they are done
Congratulations! You've created your virtual garden. Your garden is much more sustainable for the environment and very eco-friendly!

Here is when you should start planting your beautiful garden…
- Give a list of all the plants that they've selected to plant (in order of when they need to be planted with dates.)
Happy Planting!

IDEA 2: An Educational/Automatic Plant Garden

Users input questions such as sunlight, water, existing plants, and bloom time and use that input to create a new garden automatically. Priorities are set to the canopy zone for the plants for what the user wants. All the preliminary input and then the software would filter out the plants and then the plants would be placed accordingly depending on the canopy zone automatically. From there the user can click on the plants to find information as to why this plant was chosen and for what reason. The user can also have the choice to move the plants placed in order to organize it more to their liking with input on if the plant would survive or not (given plant compatibility, ph, bloom time, etc). The user can also learn what invasive species are in their area and which plants need to be inspected to make sure the invasive species will not harm them. If the user inputs an invasive species as an existing plant a warning will be brought to them stating that they need to get rid of it and will not be included in their virtual garden creation.

IDEA 3: Design Software Focus
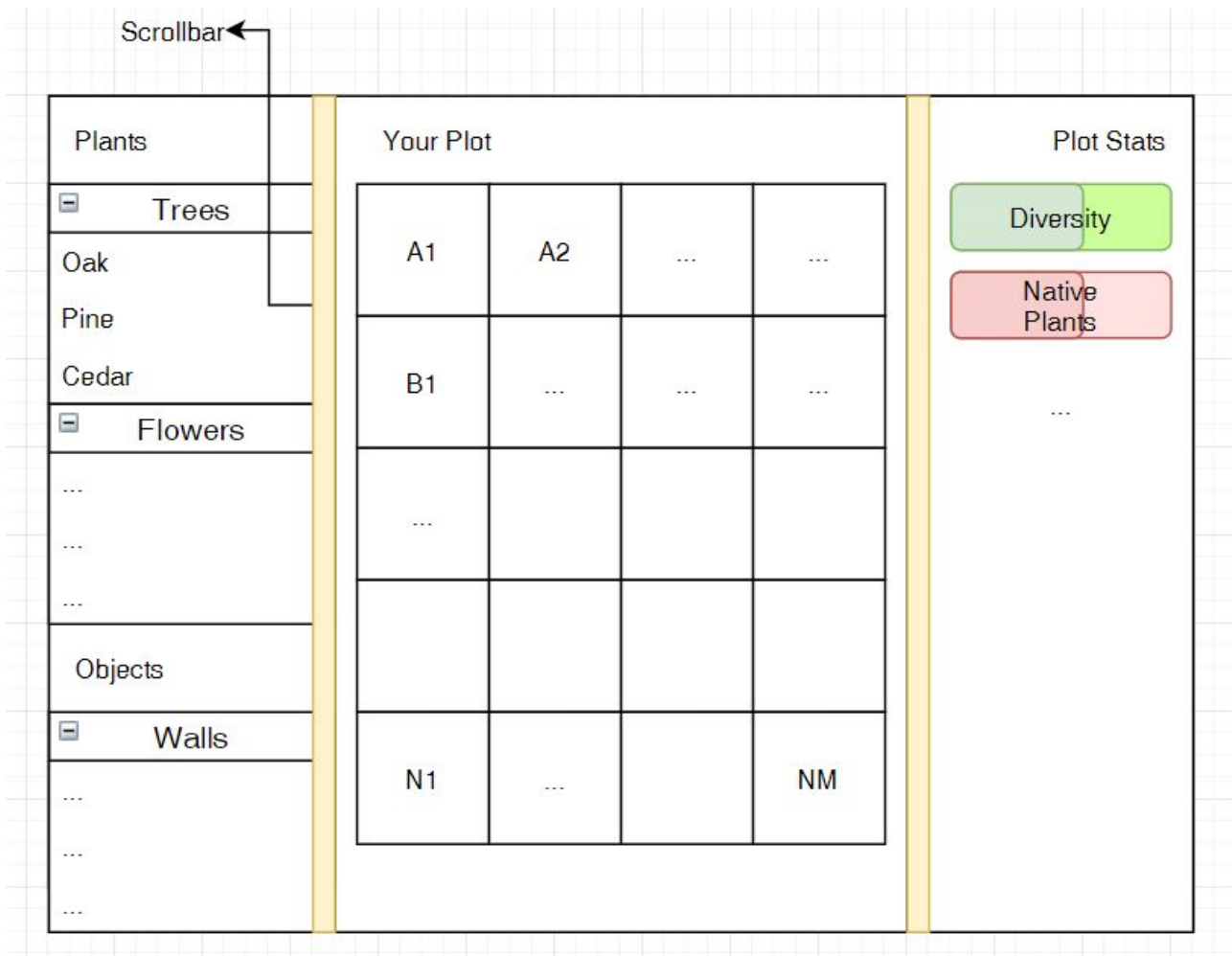
First the program opens up asking if the user wants to create a new plot, or load a saved one. If a new plot, then the user is asked basic questions in a variety of forms (amatuer, advanced, professional) to determine the attributes of their plot (soil ph, water, sunlight, surrounding obstructions, etc.) Then the garden plot screen shown above is displayed. The user drops in fencing, existing plants, and other obstructions. After which time, a user can select "display recommended plot", and a variety of plants will be added. Users will be shown rough price estimates, and alternatives. Another feature of the UI (probably on the bottom or a separate window) will be a bloom meter, ensuring that an overlap and continuity of bloom all year round from the different plants. This idea could get more complex as time goes on, but to ensure that the project is completed, a simple and functional base application that fulfills all the minimum requirements should be accomplished before adding more complex concepts and features (such as 3D "out-the-window" view, budgeting, and others.)