GARDEN
HELP

PES
UNIVERSITY

HCI ASSIGNMENT

SMART PLANT HEALTH MONITORING APP

Sai Shashank
PES1201700456
ECE

Rohan Kamath
PES1201700811
CSE

Akanksha
PES1201701799
CSE

GARDEN HELP

NEED HELP TAKING CARE OF YOUR PLANTS?

FORGET TO WATER OR WATERED TOO MUCH?

HOW MUCH SUNLIGHT IS ENOUGH SUNLIGHT?

SOIL HEALTH?

WE'RE HERE TO HELP!

GARDEN HELP IS A TOOL THAT INFORMS YOU OF THE RIGHT WAY TO CARE FOR YOUR PLANTS. IT ALSO SUGGESTS THE ITEMS YOU REQUIRE AND REMINDS YOU OF WHAT TO DO.

AI PLANT RECOGNITION

PLANT HEALTH MONITORING

TASKS AND REMINDERS

SHOPPING LIST

Empathy Map

Say

- I want to grow healthy plants
- Don't want to spend a lot of money
- Is it high maintenance?
- How much water and sunlight is required on the daily basis?

Think

- I don't know how to care
- Don't know if plants are even healthy
- Don't know if I'm providing enough care
- Don't know why plants are unhealthy
- Is it my fault?

Do

- I care about the wellbeing of my plants
- I try my best to care
- I ask around for help but it doesn't seem personalized for my plants
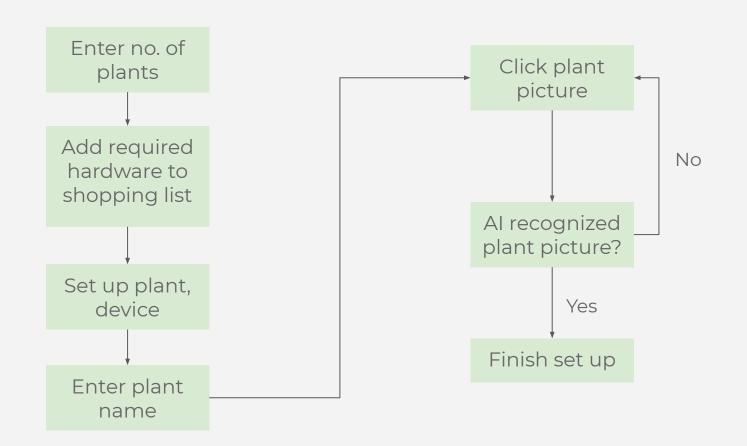- Compromise and adjust with current situation

Feel

- This is my passion, but I am not good at it
- I feel bad that I am letting my dearest plants die
- I wish I could get in-expensive assistance in caring for my plants

APP NAVIGATION FLOW CHART PART 1 - SET UP

```
Enter no. of
plants
      │
      ▼
Add required
hardware to
shopping list
      │
      ▼
Set up plant,
device
      │
      ▼
Enter plant
name ──────────────►  Click plant ◄──── No
                        picture
                          │
                          ▼
                      AI recognized ────┘
                      plant picture?
                          │
                         Yes
                          ▼
                      Finish set up
```

APP NAVIGATION FLOW CHART PART 2

Home page

Shopping, task list

View plant profiles

Add plants → Go to plant set up

View Tasks

View Lists

Edit plant details

View plant stats → Add actions to lists

Tick Tasks

Tick Lists

Change name

Change pic

Delete plant → Confirmation