

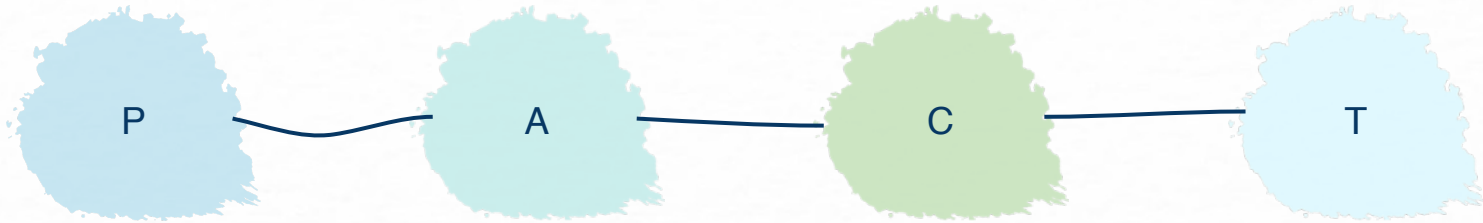


Plant Sense

APP 360

35932155Qiyin Gao, Project 3

PACT



People

- Plant enthusiasts
- Busy professionals
- Eco-conscious or health-focused individuals

Activities

- Monitoring plant status
- Data analysis and suggestions
- Interactive reminders
- Tracking plant growth

Contexts

- Home environment
- Workplaces
- Outdoor settings

Technologies

- Hardware sensors
- Wireless communication
- Data analysis and AI
- Cloud storage

User Research

01

Understand users' needs, pain points, and motivations for plant care.

02

Identify target user demographics and behaviors.

03

Evaluate existing plant care solutions (if any) to discover gaps and opportunities.

04

Test the concept of real-time plant monitoring and interactive features.

User Profiles



Yiwen Gao

Age: 23

Occupation: UX Designer

Education: University

Lifestyle: Single, living in a city apartment

Skills:



Personal characteristics

- Just began to try to raise plants, home has a pot of green plants and a pot of meat.
- Like to check social media and watch short videos to learn new skills.
- Ignorant of plant knowledge, often forget to water or water too much, resulting in poor plant condition.

Needs and pain points

- Simple, intuitive instructions are needed to tell her when to water, fertilize, or adjust the sunlight.
- I hope to understand the plant state easily through the App, without spending too much time learning complex knowledge.
- Hope to receive timely reminder, no longer cause plants to wither because of forgetting.

USP

Real-Time Monitoring and Data Visualization

Real-time tracking of plant data such as sunlight, humidity, and temperature through hardware sensors.

Personalized Care Recommendations

Offers precise care suggestions based on the specific plant type, monitoring data, and the user's geographic location (climate, season, etc.).



Green ivy leaves are large and beautiful, and it is a famous ornamental plant. Potted or hanging and plants are used for indoor viewing or as or windowsills.

Growth Tracking and Community Features

Allows users to log plant growth with photos, notes, and data, creating a complete growth timeline.

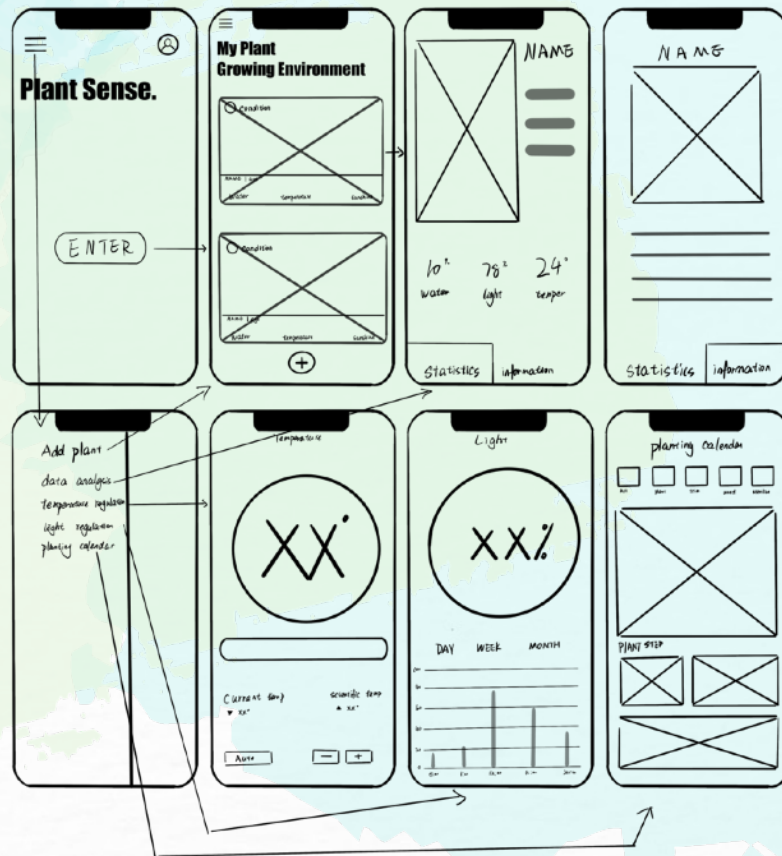
All-in-One Solution

Combines plant identification, monitoring, reminders, data analysis, interaction, and social features into one app, offering a comprehensive plant management tool.

Compleitive Analysis

Feature	Florabuddy	PlantSnap	Plant Parent	Garden Answers	Plant Sense
Plant identification	✓	✓	✓	✓	✓
Real-time monitoring	✗	✗	✓	✗	✓
Watering/fertilizing reminders	✓	✗	✓	✗	✓
Data analysis and suggestions	✓	✗	✓	✗	✓
Growth tracking and logs	✗	✗	✓	✗	✓

Lo-Fi



Hi-Fi





Evidence of testing: <https://youtube.com/shorts/NfwAmINppgw>

Walkthrough of app or speculative scenario: <https://youtu.be/vv9upwXr01Q>