Cultivate

What is Cultivate used for?
Growing your plants!

Cultivate is a mobile app designed to give people tips and advice on how to grow their plants, track their plants' caretaking habits, and share their plant progress with their friends and a community of other plant parents. By the use of a wireless sensor, wireless camera, and the mobile app, Cultivate allows for a deeper insight on one's plants and encourages them to continue growing plants.

Who does Cultivate affect?
For aspiring and current plant-lovers!

Cultivate is designed for human flourishing as it reaches a wide variety of people from people who have no gardening experience to people who have been growing plants for years. It is designed to assist people who want to begin growing plants and people who have been growing plants to track their caretaking habits and share/receive advice from their friends and online community.

How does Cultivate affect people?

Encourages plant growth to allow for prosperous mental health, community, and newfound passions!

Cultivate allows people to delve into the world of plants whether that be to impact their mental health in a positive way, reach out to peers and friends with a similar interest to them, or discover a new hobby they are passionate about. This design encourages human flourishing because it can lead to them experiencing happiness, learning new skills, finding their passion, and connecting with their friends or an online community.

What is the medium for using Cultivate?

A mobile app with features including the community page, plant scan page, caretaking note page, a wireless sensor, and a wireless camera!

Cultivate takes advantage of modern technology in order to combine components for efficiency and develop a wide range of knowledge regarding one's plants. Its medium encourages flourishing by allowing users to easily communicate with others over the topic of plant growing.

User Manual

1.Download and create your account.

Download Cultivate on the App Store and create your account by creating files for each plant whose caretaking habits you want to track.

2.Set up the sensor and camera near the desired plants.

Set up the wireless sensor in the soil of the desired plant and set up cameras near the plants whose progress you would like to track and connect it to that plant's file in the app. You can set up multiple sensors at once for different plants.

3.Begin tracking the progress of your plants.

Once everything is set up, you can begin tracking the progress of your plants by seeing their water usage, sunlight taken in, physical growth, etc.

4.Scan for tips on caretaking habits.

Whenever needed, scan your plant and use the data from the sensor to gain tips and advice on what your plant needs in order to truly prosper. This can include water usage, access to sunlight, nutrients needed beyond water, etc.

5.Share with friends!

Post progress pictures of your plants, offer advice to friends, and receive advice from friends on the community page. A neat feature would also be to take the camera footage from your plant to create videos and post any fun behind the scenes.

Cultivate

Community Page

Post photos & videos of your plant here!

●●● Plant Scan

Scan your plant for advice here!

Caretaking Notes

Track your caretaking habits here!

●●● Live Data

See your plant in real time here (sensor + camera)!