THE GREEN BOX

POLITECNICO
MILANO 1863

Master's degree of PSSD
Product Service System Design Studio

Prof: Alessandro Confetti, Martina Mazzarello,
Diego Morra

Group 09: Gowtham Prasanth Ramaraj, Gülsüm
Koç, Haruna Yamashita, Vaishnavi Surkutwar

Today society has become increasingly disconnected from the origins of the food we consume. They don't know how to cultivate their own food, fostering a deeper connection to the process of growing, harvesting, and preparing fresh produce.

"Encouraging people to **grow fresh food at their homes**"

MANIFESTO

The Green Box, **we believe in the transformative power of growing fresh food at home.** Our mission is to inspire and enable individuals to embrace the joy and benefits of cultivating their own organic produce. **We envision a world where everyone has access to nutritious, sustainable, and homegrown food, fostering a healthier and more connected society.**
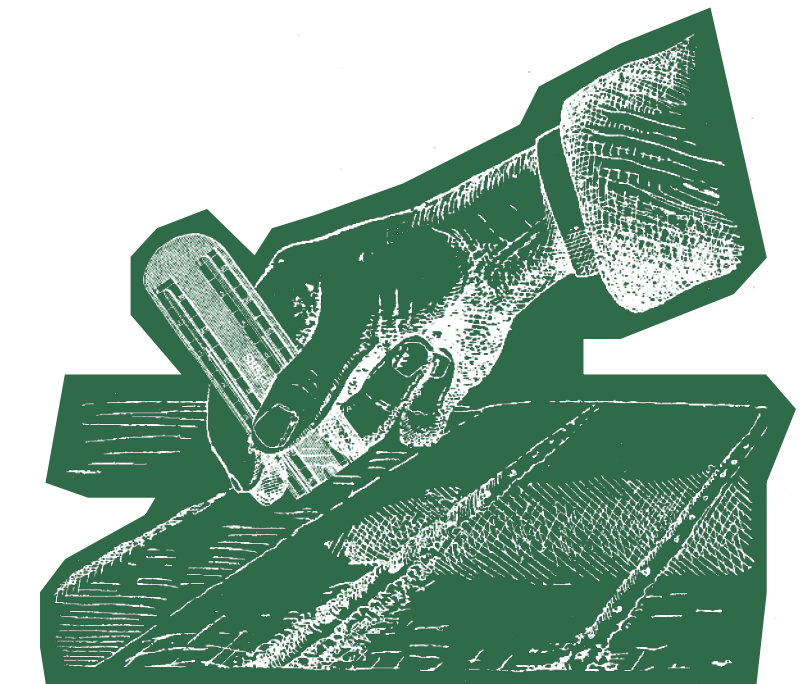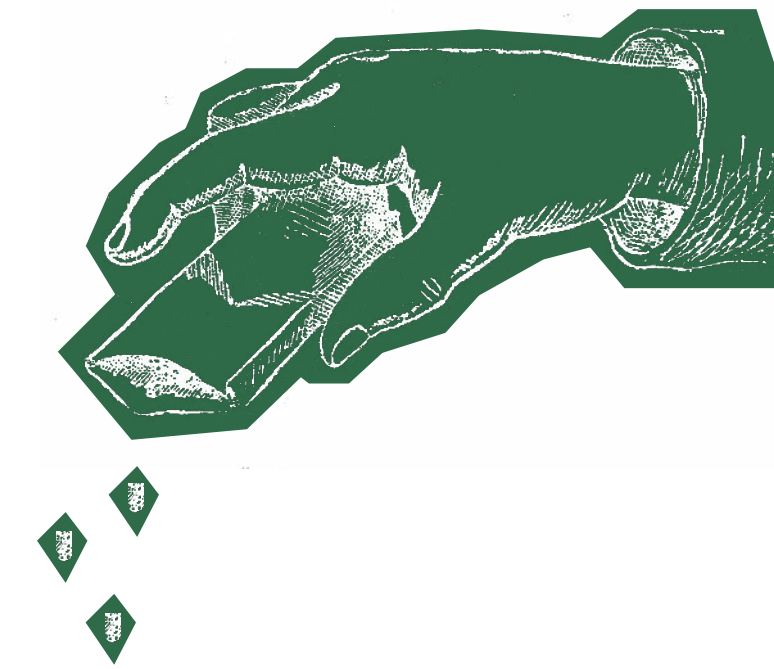
|	**Sign up**	**Purchase**	**Plant**	**Install**
	She signed up with her personal details	She purchased a cultivation kit and received the kit from the delivery partner	She planted the seeds from the kit	She activated the sensor for monitoring and placed the sensor beneath the soil
Touch Points	App/website	App/website/ Delivery agent	Cultivation kit	Sensors
Stakeholders	App store	Delivery partners	Seed suppliers	Technical team
Data	User Personal Data	User Preference Data	Plant Data	Plant Health Data
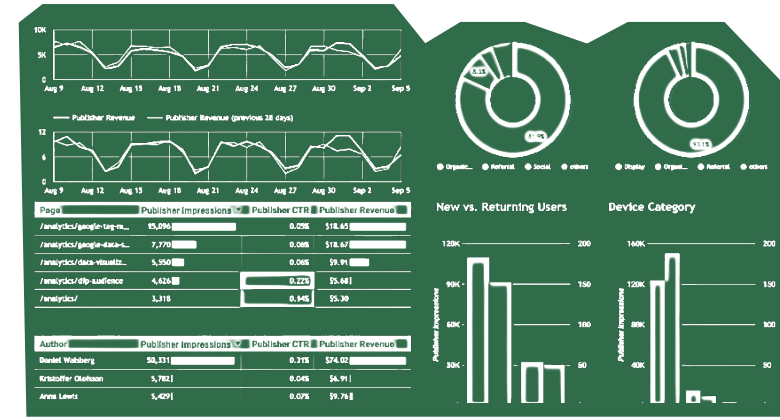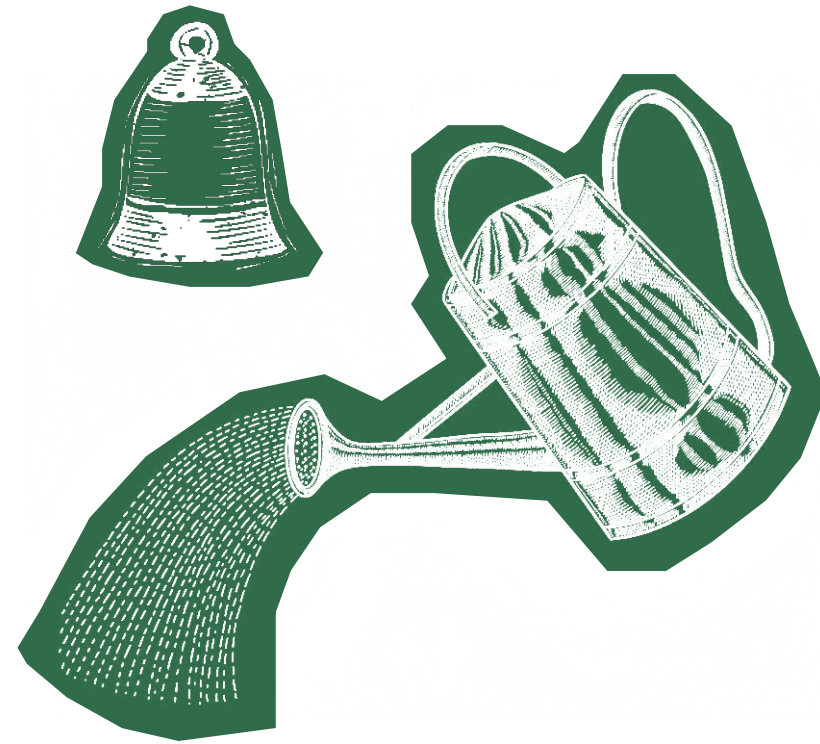
Daily Reminders

She began to get notifications about watering the plants.

Touch Points	App/website
Stakeholders	-
Data	Plant Health Data

Weekly Report

In the weekly diagnostic report, she found out that her plant is vulnerable to an infection

Touch Points	App/website/e-mail
Stakeholders	Municipality
Data	Plant Data/Plant Health Data

Diagnostic

App suggested her a bio fertilizers for better health of plant

Touch Points	App/website/ Plant care products
Stakeholders	Subject matter experts
Data	Plant Diagnostic Data

Success & Share

She is effective at growing organic tomatoes in some months.

Touch Points	App/website
Stakeholders	Municipality
Data	Plant Data/Product Data

User's Personal Data

Full Name
Gender
Address
Email Address/Phone No.
Credit/Debit card details

Plant Species Data

Name of plant
Type of Plant
Cultivation method
Growth Stag
Time stamp

Plant's Health Data

Light intensity
Frequency
Temperature
Water level
Time stamp

Plant Diagnostic Data

Disease name
Remedy
Name of fertiliser

Production Data

Name of Fruit/Vegetable
Quantity
Nutritional value
Cultivation method
Time stamp

Invasiveness

Invasiveness

Invasiveness

Invasiveness

Invasiveness

Benefits

Benefits

Benefits

Benefits

Benefits

Trade off's
Technical Limitation,
Energy Availability

Trade off's
Uncertainty in
Diagnostics Result

Trade off's
Technical Limitation,
Frequent need of input
from users

How much time and effort is involved in growing vegetables in different environements?

← Environmental Data →

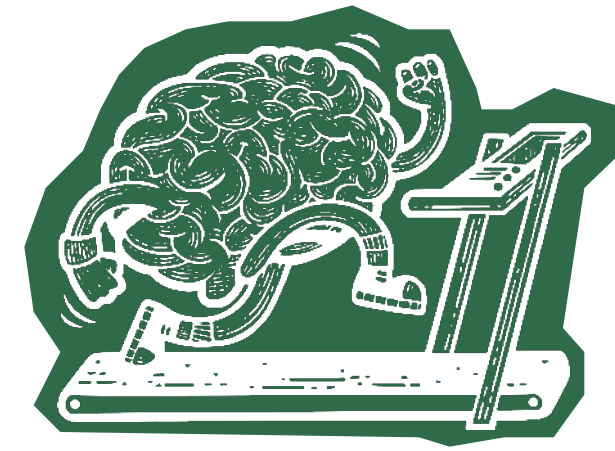| User's Personal Data | Plant Species Data | Plant's Health Data | Plant Diagnostic Data | Production Data |

Can growing fresh vegetables in house influence health of the people in House?

Health Data

| User's Personal Data | Plant Species Data | Plant's Health Data | Plant Diagnostic Data | Production Data |

THANK YOU!

Data Sheet -
https://docs.google.com/spreadsheets/
d/1llSFLAgsDf1l4qidrW1Rf1ZDY_S0iVkV/edit#gid=1459855649

POLITECNICO
MILANO 1863

Master's degree of PSSD
Product Service System Design Studio

Prof: Alessandro Confetti, Martina Mazzarello,
Diego Morra

Group 09: Gowtham Prasanth Ramaraj, Gülsüm
Koç, Haruna Yamashita, Vaishnavi Surkutwar