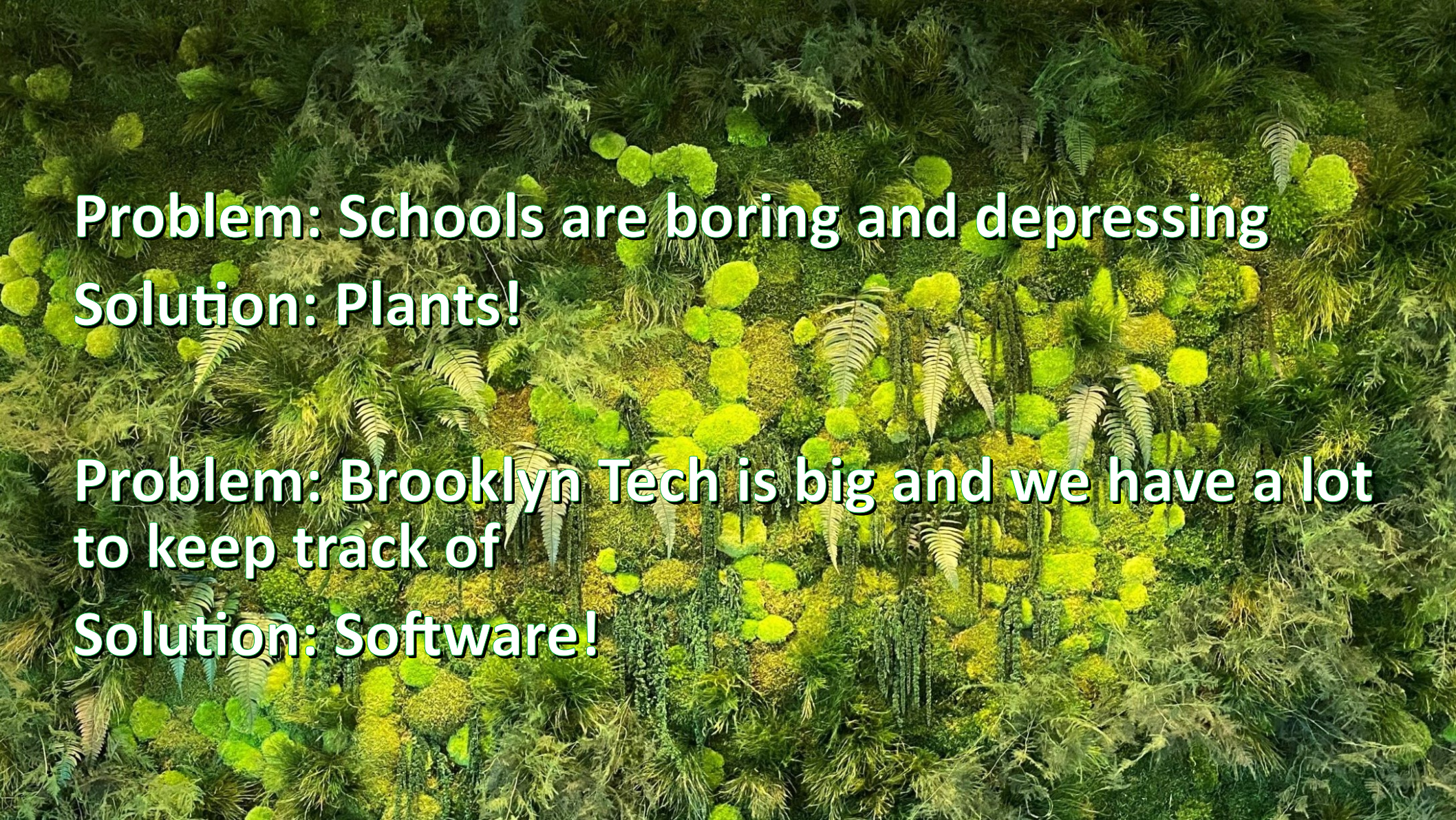
===== Plantabase =====
Thales Protopapas


Problem: Schools are boring and depressing
Solution: Plants!
Problem: Brooklyn Tech is big and we have a lot to keep track of
Solution: Software!

```
Third floor north side:
[Pothos (0), Pothos (0), Pothos (0)]
[Pothos (0), Pothos (0), Pothos (0)]
[Ivy (0), Ivy (0), Fern (0)]

(Auto Wall) Second floor east side:
[Pothos (0), Pothos (0)]
[Philodendron (0), Philodendron (0)]

Philodendron found in Second floor east side at (1, 0)

Fern: 1
Ivy: 2
Philodendron: 2
Pothos: 8
```

```
============================== Day 9 ==============================
Third floor north side:
[Pothos (9), Pothos (9), Pothos (9)]
[Pothos (9), Pothos (9), Pothos (9)]
[Ivy (3), Ivy (3), Fern (3)]
(Auto Wall) Second floor east side:
[Pothos (0), Pothos (0)]
[Philodendron (0), Philodendron (0)]
=== Total water needed: 1.23 liters ===
Third floor north side:
Needs 1.23 liters
(0, 0): 0.18
(0, 1): 0.18
(0, 2): 0.18
(1, 0): 0.18
(1, 1): 0.18
(1, 2): 0.18
(2, 2): 0.15
Second floor east side:
Automatic wall
```

Plant

- Represents a single plant
- type and waterAge
- incDay
- Accesses dictionary CSV for water amount/interval

Wall

- Represents a wall
- name and 2d plantArray
- Construct w/ height & width
- populate
- findPlant
- incDay
- toWater (formatted)
- needWater (ArrayList<int[]>)

School

- Represents the whole building
- ArrayList of Walls
- Add wall
- incDay
- toWater (instructions)
- waterAll (update database)
- Alphabetical list (all Plants → all types → number of each → selection sort)

	A	B	C
1	Ivy	6	0.22
2	Philodendron	12	0.28
3	Fern	3	0.15
4	Pothos	9	0.18
5	end		

New code for CSV

AutoWall

- Waters itself
- Subclass of Wall to fit into School's ArrayList
- incDay keeps waterAge at zero
- toWater overridden, never needs to be watered
- Wall accessors & super keyword

But why?

Thank you
Pls vote 5 🙏