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Plants can improve mood and health

But many plant owners struggle with caring for their plants

SOLUTION

Phone app allows user to interact with plant

Sensor tracks plant's basic condition

Plantr

SOLUTION

anthropomorphize plants

interact with plant

care reminders

Sensor tracks plant's basic condition

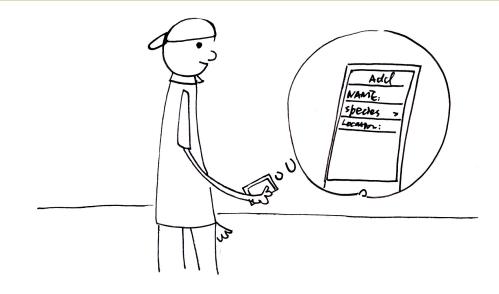
Plantr

basic care information

something is wrong



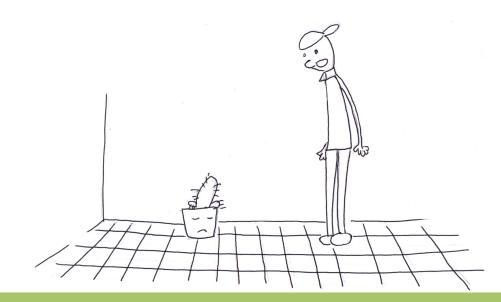
Determining how to care for a plant





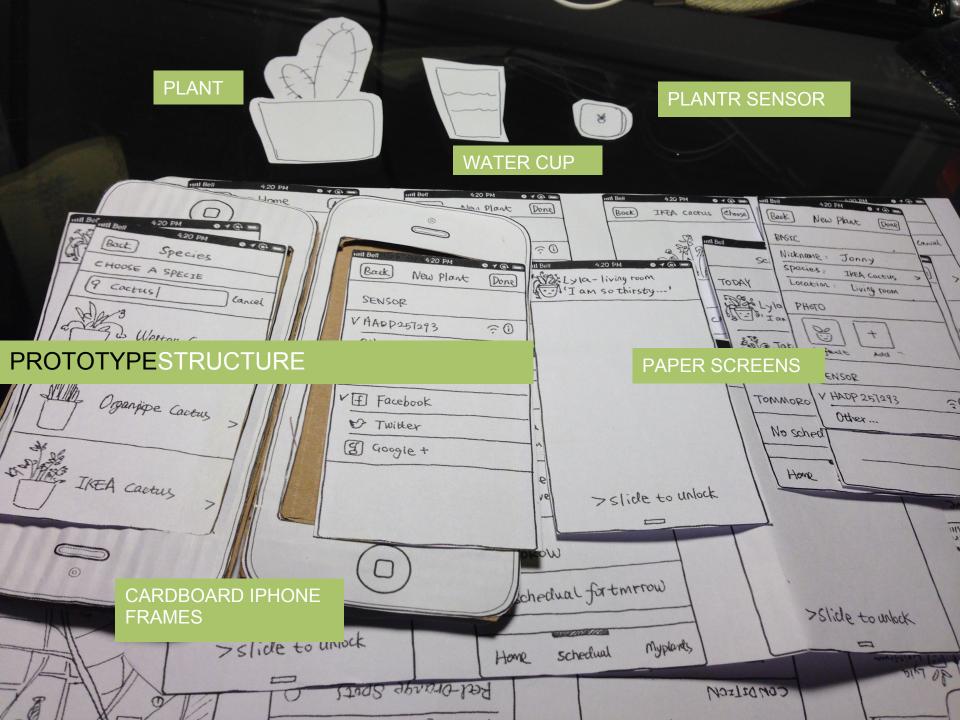
Remembering to care for a plant



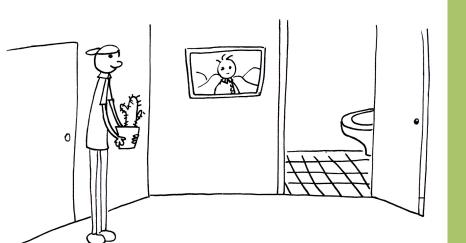


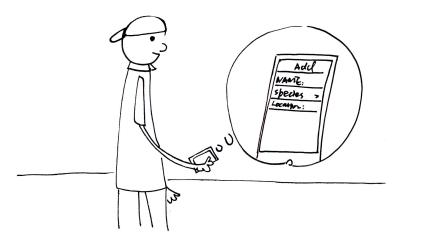
Handling care when something is wrong





PLANTRTASKS

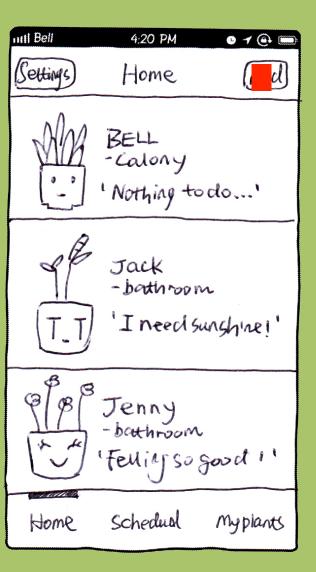




- Jack has just purchased a cactus from IKEA
- He wants to get basic care info for his cactus by adding it Plantr

TASK 1

Add a plant Learning how to care for a plant

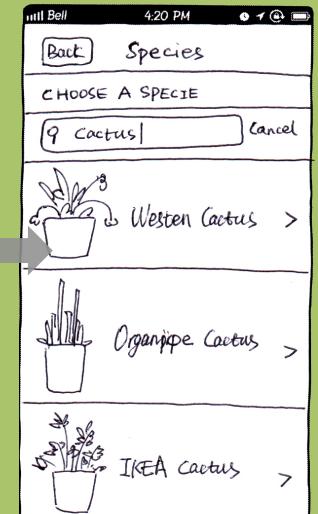


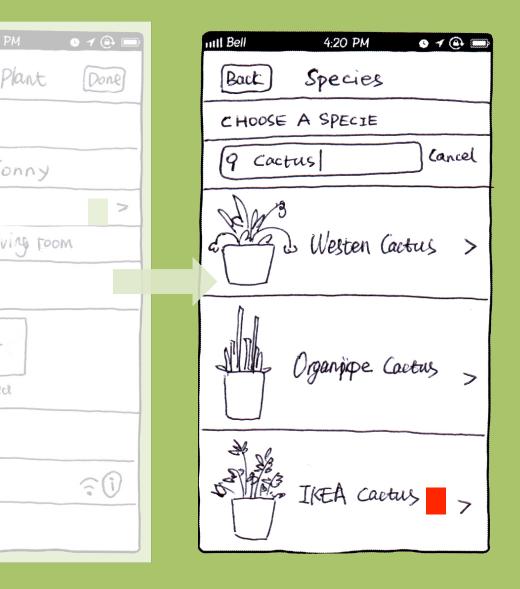


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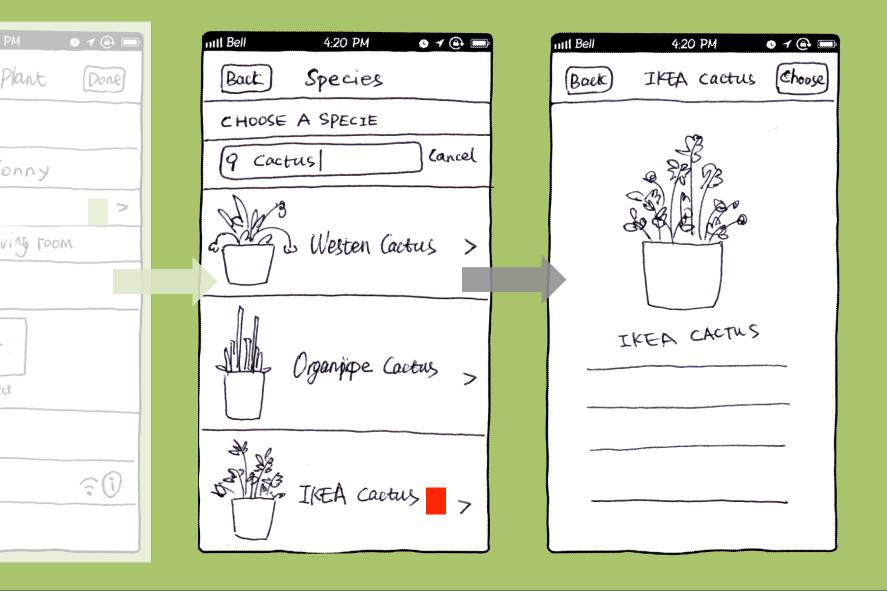


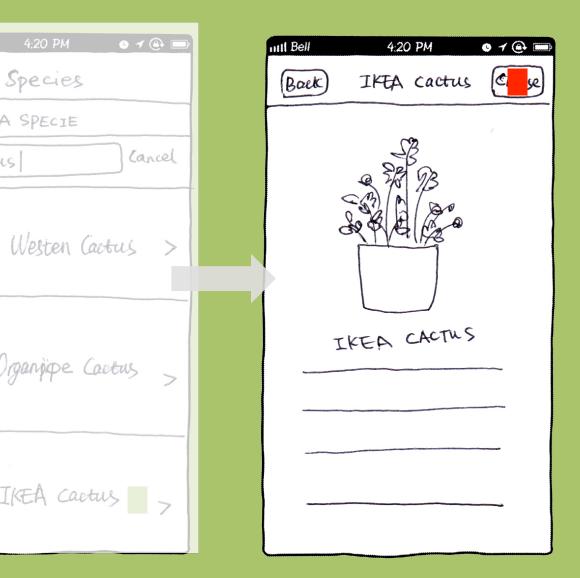
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TASK 1

Add a plant Learning how to care for a plant





- Jack has killed 5 IKEA cactuses before
- Now that he has Plantr, Jack has no trouble regularly caring for his cactuses

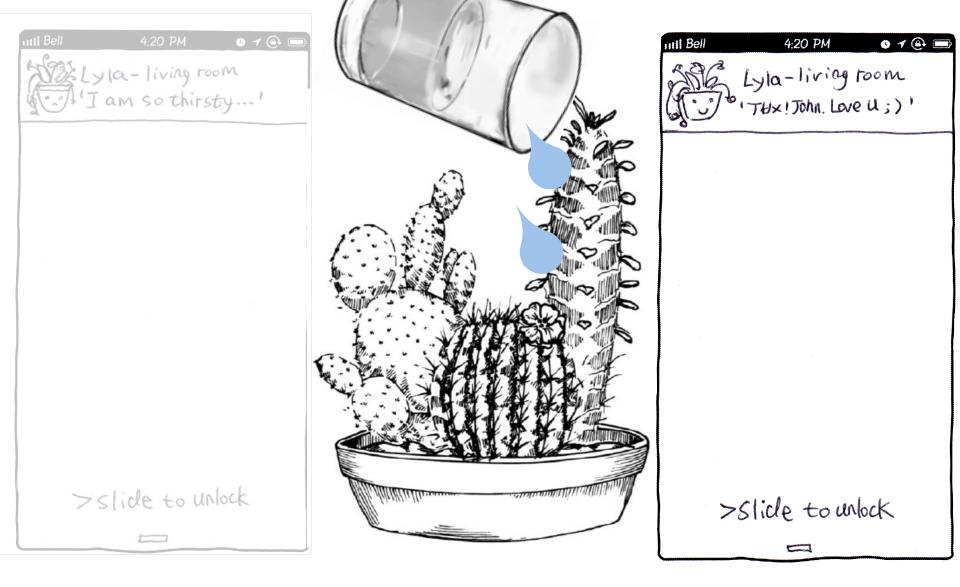
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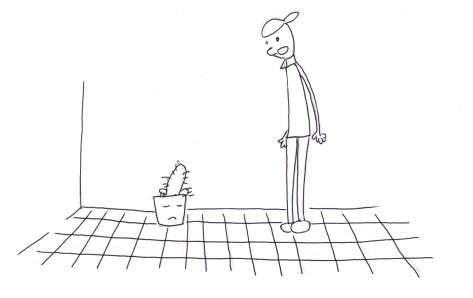






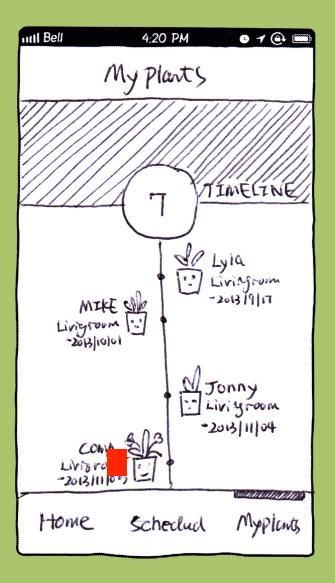


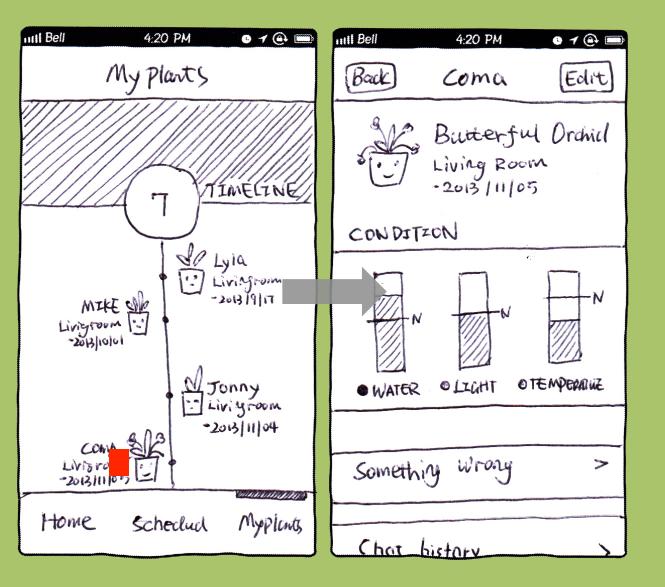




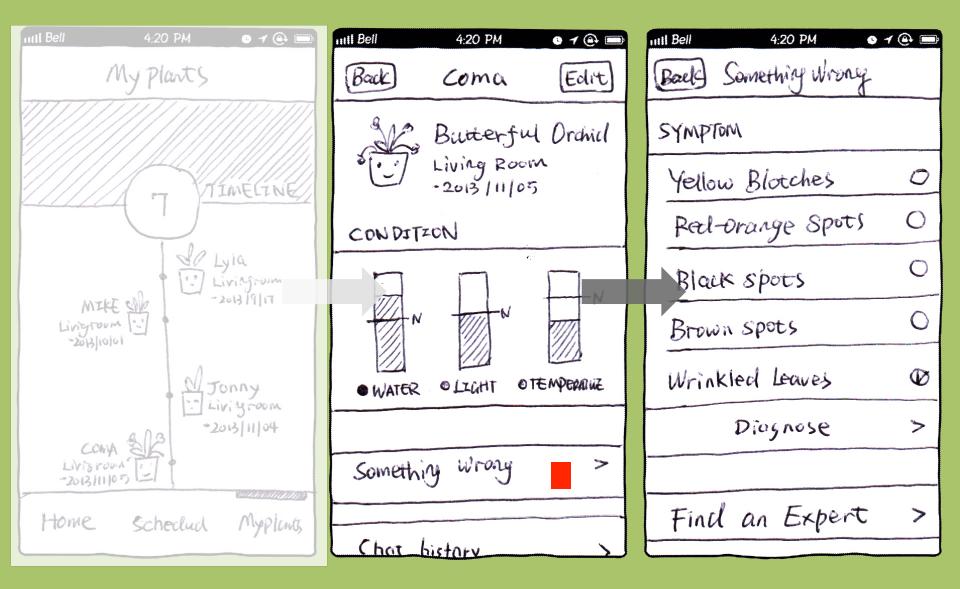


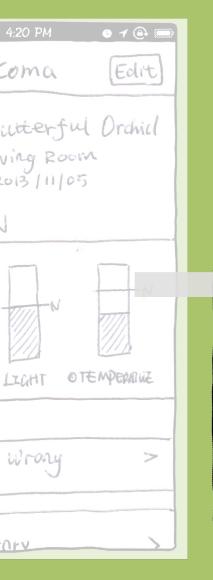
- With the help of Plantr, Jack is able to take care of his cactuses
- He becomes an indoor plant enthusiast and takes on the challenge of caring for an orchid
- Jack notices that his orchid has black spots
- He wants to know what the problem is
- He wants to know how he can help his orchid



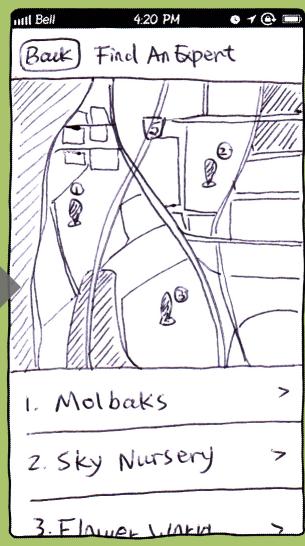








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Back Something Wrong		
SYMPTOM		
Yellow Blotches	0	
Red-Orange Spots	0	
Black spots	0	
Brown spots	0	
Wrinkled Leaves	Ø	
Diagnose	>	
Find an Expert	>	





TESTINGMETHOD

Participants & Environment

- UW student CSE atrium
- Two women from plant store Ravenna Gardens in U Village

Tasks

- Add a plant to Plantr
- Water a plant after receiving a care reminder
- Diagnose a plant's ailment when something is wrong

Procedure

- Introduce computer, facilitator, note-taker
- Give tasks
- Go over questions and feedback from participants

Test Measures

- Verbal & visual feedback from participant
- Time to complete a task or action

TESTINGRESULTS

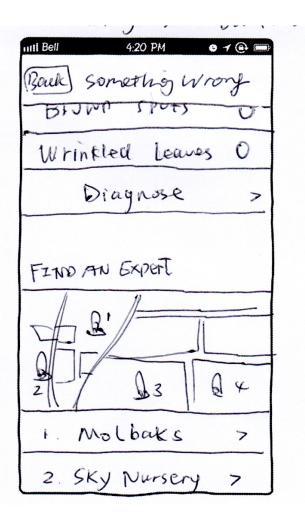
- Wording of reminders
- Inputting care information on 'Add a New Plant' screen
- Finding an expert
- Scrolling

INTERFACECHANGES

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Back New Plant Done		
BASIC	1	
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LZUHT: 7	-	Middle Light
TEMPERATURE: 7		Low Lisht
	-	CANCEL

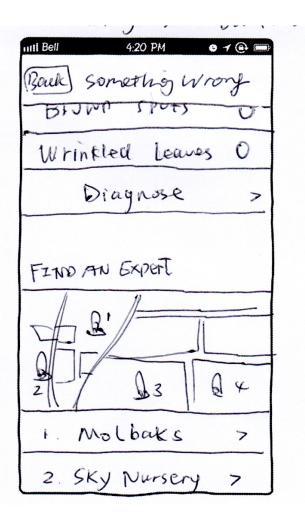
INTERFACECHANGES

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IIII Bell 4:20 PM o 1 🕀 📰 Somethigwrong Back DIOGNOSE BY SYMTOMS Yellow Blothes U Red-Drang sport O wrinded leaves () Draghose > FIND AN Expert



LESSONSLEARNED

- Participants liked seeing plants talking and showing emotion with facial expressions
- Users want to be offered more than one way of doing something – custom care parameters
- Simpler interfaces are better 'Find an Expert'
- Paper prototypes have limitations scrolling

