PLANTOS

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X

PLANTOS

X

PLANTOS

THE OVERVIEW

A PLANT CARE SIMULATOR USED TO EDUCATE CHILDREN BY INFORMING THEM ABOUT THE CORRECT PROCEDURES NEEDED TO CARE FOR A PLANT

PLANTOS

THE OVERVIEW

DESIGN CYCLE

X

IDEATION.

+ CREATED SKETCHES TO DETERMINE WHAT STREAM WOULD SUIT OUR IDEAS BEST.

MILESTONE 1.

+ DETERMINED WHAT MATERIALS WERE NEEDED FOR THE PHYSICAL MODEL

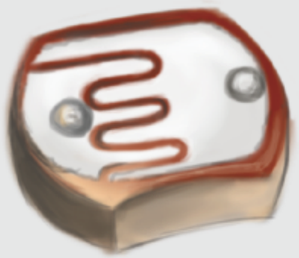
+ FINALIZED THE THREE SENSORS THAT WILL BE USED

MILESTONE 2.

+ FINALIZED DESIGN FOR PROCESSING GUI AND PHYSICAL MODEL

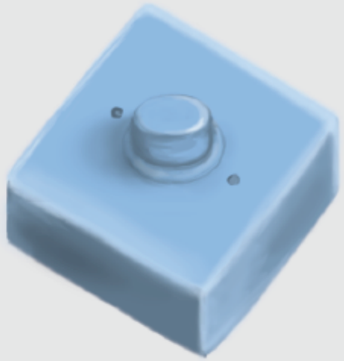
SENSORS.

X



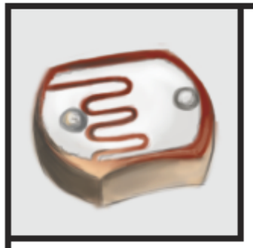
LIGHT

SLIDER



FORCE

SENSORS.



LIGHT SENSOR

+ ADJUSTS THE BRIGHTNESS "PHOTOSYNTHESIS LEVELS"
+ TOO HIGH, PLANT WILL DIE.
+ TOO LOW, PLANT WILL NOT GROW.

SENSORS.

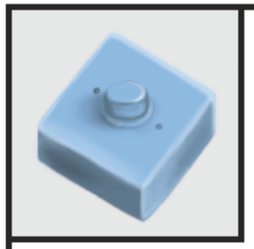
SLIDER SENSOR

+ ADJUSTS THE WATER LEVEL

+ TOO HIGH, PLANT WILL DROWN.

+ TOO LOW, PLANT DIE OF DROUGHT.

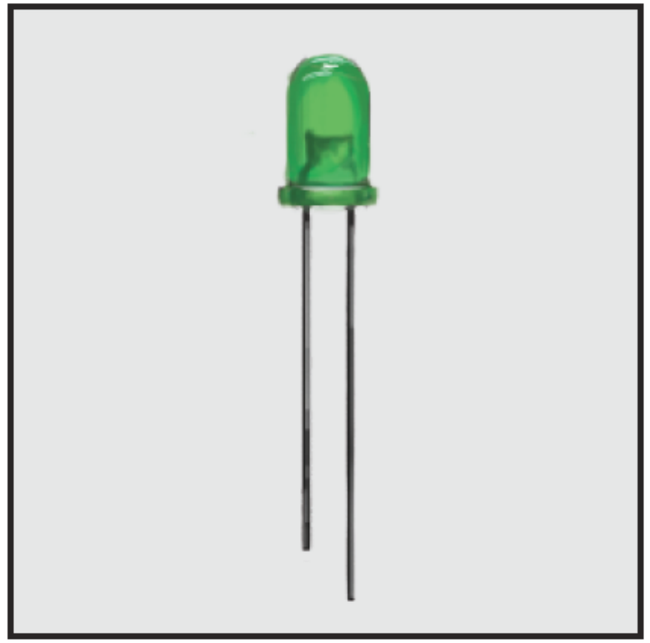
SENSORS.



FORCE SENSOR

+ RAISES AFFECTION
+ VALUE TOO HIGH, PLANT WILL BE HURT.
+ VALUE TOO LOW, PLANT WILL FEEL NEGLECTED.

ADDITIONAL COMPONENTS.

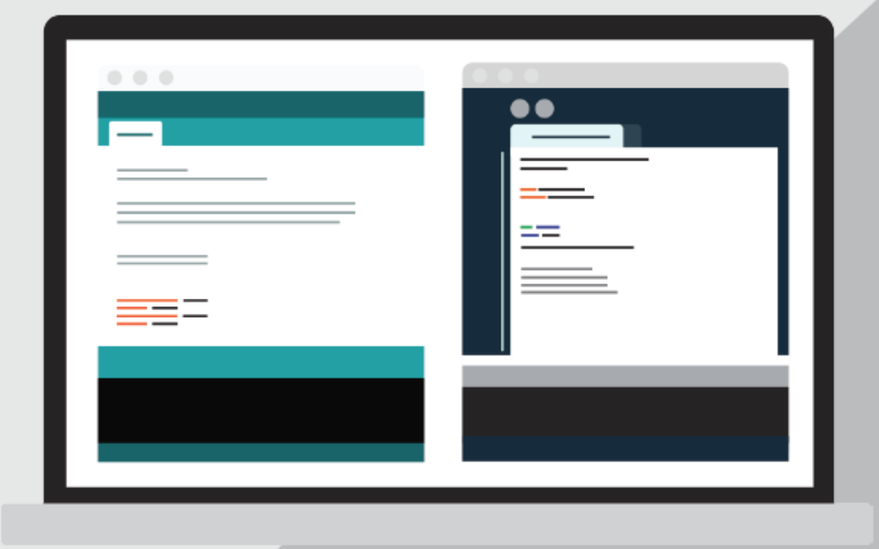


LEDS

+ INDICATES OVERALL SATISFACTION
+ MORE LIGHTS = BETTER CONDITION

SOUND

+ APPROPRIATE JINGLE IS PLAYED
+ PLAYS WHEN OVERALL CONDITION IS HIGH/LOW



PROCESSING & PLANTOS

PROCESSING.

X

+ USED FOR THE GUI
+ VISUAL REPRESENTATION OF THE PHYSICAL MODEL

FINAL RESULT.

MODEL

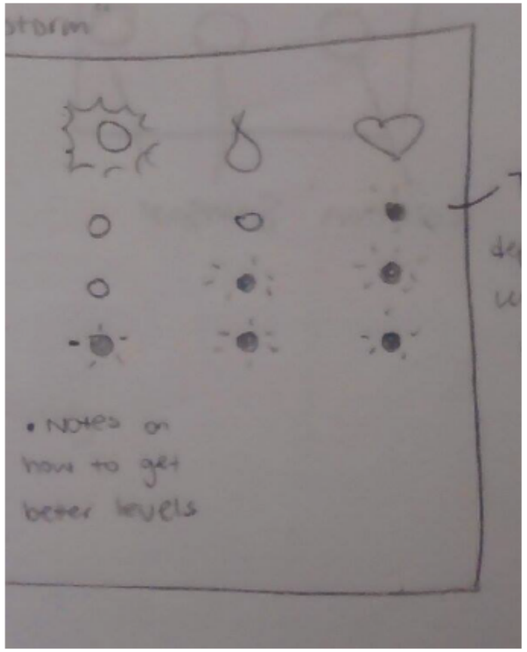
PROCESSING GUI

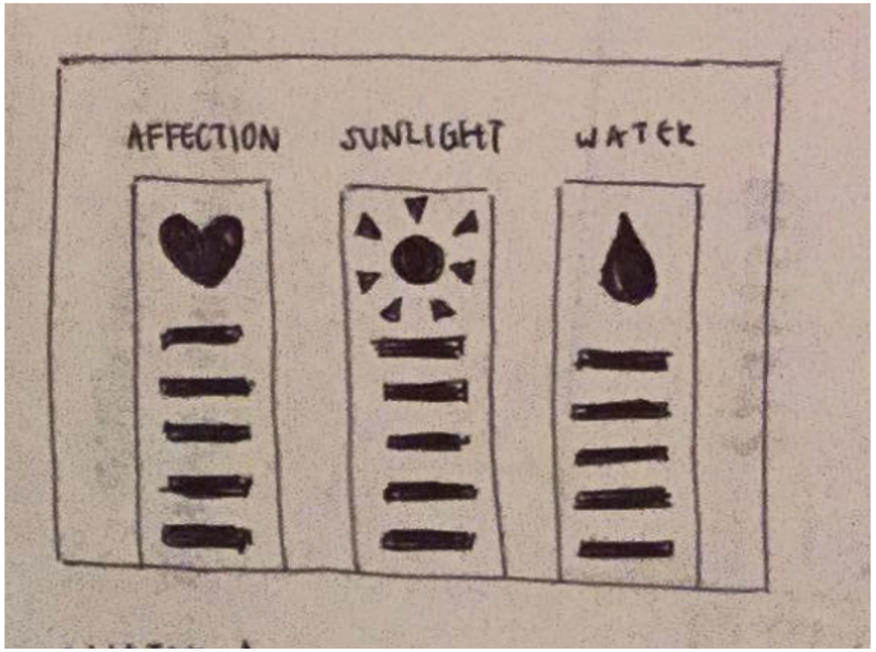
CHALLENGES.

VISUALS

SENSORS

GUI





INITIAL IDEAS

X

CHALLENGES.

VISUALS

SENSORS

GUI

+ PLANTOS DROPDOWN GUI WAS VISUALLY APPEALING BUT WAS NOT IDEAL

ORIGINAL GUI

X

CHALLENGES.

VISUALS

SENSORS

GUI

+ INTEGRATING THE SENSORS & LEDS IN A VISUALLY APPEALING WAY

X

CHALLENGES.

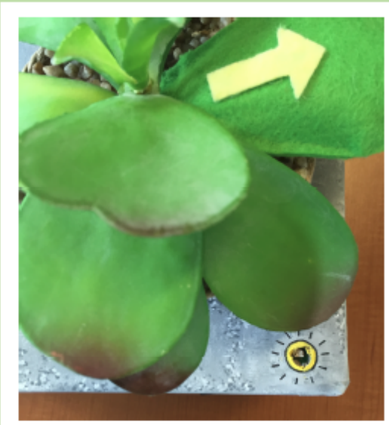
VISUALS

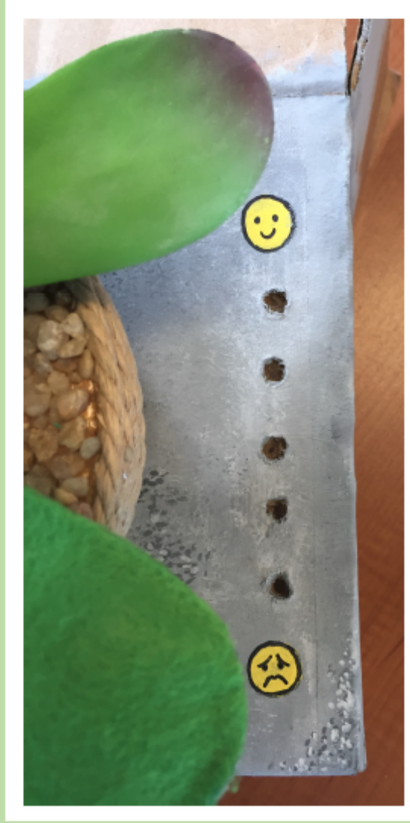
SENSORS

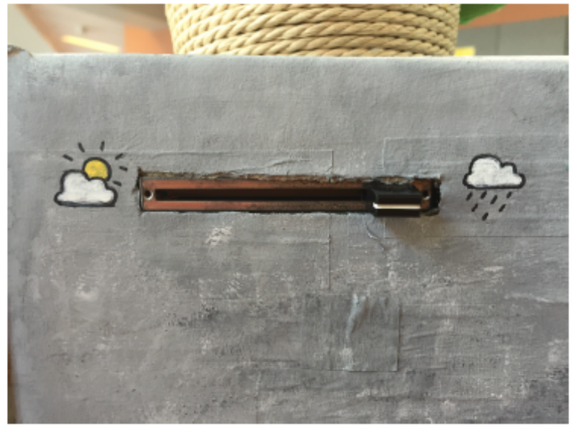
GUI

+ CREATING VISUALS EASY FOR CHILDREN TO UNDERSTAND

LIGHT SENSOR







SLIDER SENSOR

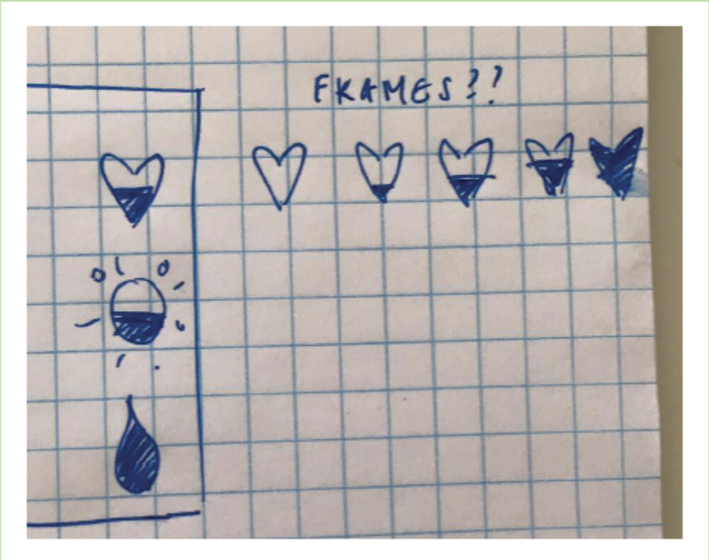
LEDS

CHALLENGES.

VISUALS

SENSORS

GUI



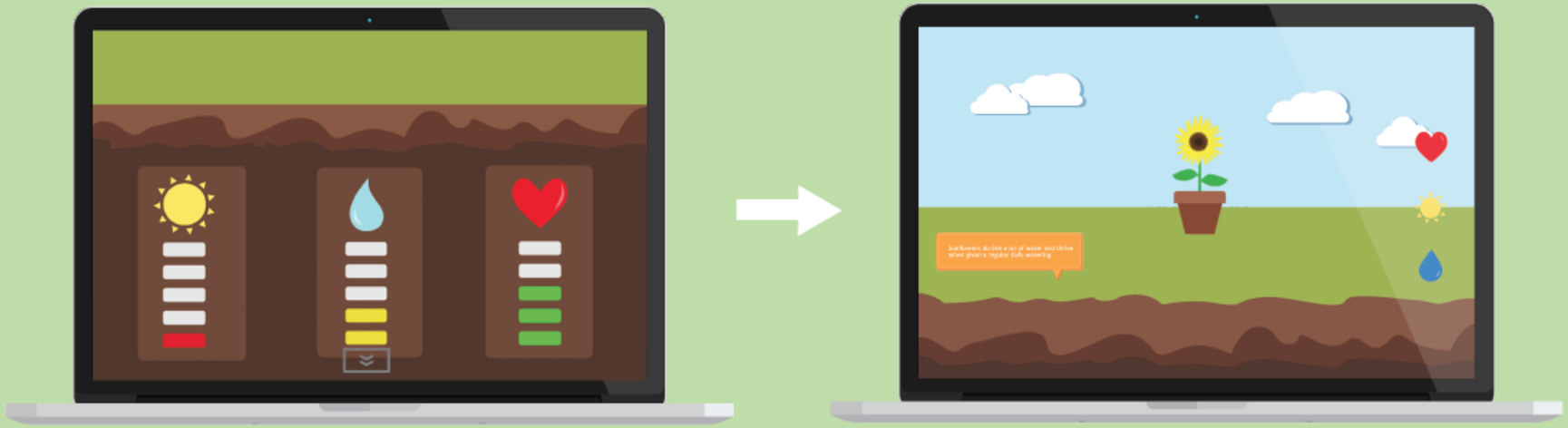
FINAL IDEA

CHALLENGES.

VISUALS

SENSORS

GUI



GUI TRANSFORMATION

REFERENCES.

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FLAT MACBOOK MOCKUP

HTTP://WWW.PIXEDEN.COM/PSD-MOCK-UP-TEMPLATES/IMAC-MACBOOK-PSD-FLAT-MOCKUP