

# LATE SEASON CHANGES

CERTAIN ASPECTS OF THE PROJECT HAVE BEEN REVISED IN RESPONSE TO RECENT DEVELOPMENTS THIS SEMESTER



A PILE UP OF ILL-DEFINED ASPECTS WITHIN THE “SUSTAIN-A-STACK” PROJECT HAS CAUSED US TO RETHINK OUR APPROACH AND ESSENTIALLY CHANGE GEARS BECAUSE:



## UNINSPIRING TARGET AUDIENCE

AIMING AT PROFESSIONALS WAS AN ILLOGICAL AND STEREOTYPICAL CHOICE



## UNCOORDINATED CONCEPT

THE IDEAS STARTED TO FALL APART AND EVERYONE ENDED UP ON DIFFERENT PAGES



## UNEXPECTED PLAGIARISM

WE ARE NOT HAPPY ABOUT IT, BUT IT HELPS US REFLECT ON OUR CURRENT POSITION NEVERTHELESS

AND SO WE PRESENT...



# MISSION STATEMENT

WHY WE ARE DEVELOPING THIS IDEA



***“STRENGTHENING THE RELATIONSHIP BETWEEN  
PEOPLE AND THE ENVIRONMENT”***

# PROJECT REVISION

WHAT ARE THE KEY DRIVING CONCEPTS AND IDEAS NOW?



## WHY WE CHOOSE TO INITIATE THIS PROJECT?



### REVERSE GLOBALIZATION

THE QUALITY OF PROCESSED FOOD  
CANNOT COMPARE TO LOCALLY  
GROWN, ORGANIC PRODUCE



### DEVELOP GARDENING SKILLS

MAKE IT EASY AND FUN TO PICK UP  
PLANT CARE SKILLS FOR A WIDE  
RANGE OF AGES



### CONNECT WITH THE ENVIRONMENT

CREATE THE OPPORTUNITY TO  
UNDERSTAND THE IMPORTANCE OF  
THE NATURAL ENVIRONMENT

# EXAMPLE PERSONA

WITH THE PROJECT REVISION, THE CHARACTERISTICS OF OUR TARGET AUDIENCE HAS BEEN CHANGED TO REFLECT THE NEW PROJECT APPROACH



THESE SET OF CHARACTERISTICS HELP SHAPE AND DEFINE THE PROJECT SPECIFICATIONS. THEY ARE NOT INTENDED AS STEREOTYPES BUT INSTEAD SET HIGH STANDARDS OF USABILITY



## **INTRIGUED IN LOCAL PRODUCE**

EVEN THE SLIGHTEST INTEREST IN  
GROWING THEIR OWN PRODUCE  
CAN BE MOTIVATIONAL



## **INEXPERIENCED WITH PLANT CARE**

MAY NOT BE READY TO TAKE CARE  
OF PLANTS ON THEIR OWN



## **INFLUENCED BY FAST CULTURE**

WANTS A CONVENIENT METHOD TO  
RARE PLANTS ON A SMALL SCALE

# HYPER-JOURNEY FRAMEWORK

THIS OVERLY SIMPLIFIED VERSION OF THE POPULAR JOURNEY FRAMEWORK AIMS TO ONLY PRESENT THE RELEVANT INFORMATION PERTAINING TO THE CURRENT DEVELOPMENT PHASE



WHAT SHOULD THE TIMER UI LOOK LIKE?

WHAT INFORMATION SHOULD BE PRESENTED?

WHEN CAN I TAKE MY VEGETABLES?

## WHAT CAN I PLANT IN THIS?

HOW DO I SET THE TIMER?



CAN MY COMPUTER RUN THIS?

HOW CAN I SEE HOW MY PLANT IS DOING?

HOW DO I GAIN ACCESS TO PLANT?

## HOW DO I REFILL THE WATER?

HOW DO THEY ACCESS THE RESERVOIR?

# THE PROTOTYPE

ENSURING THAT MECHANISMS MEET THE PROJECT SPECIFICATIONS BEFORE  
INVESTING IN MORE SUITABLE MATERIALS



## PARTIALLY OPERATIONAL APPEARANCE MODEL

AN EXPERIMENTAL ENCLOSURE FOR CULTIVATING A VARIETY OF SMALL PLANTS

A WIDGET FACILITATES MONITORING AND CONFIGURING CERTAIN ASPECTS



**AUTOMATIC  
LIGHTING ARRAY**



**MINIATURE  
WATERING SETUP**



**PROTOTYPE  
USER WIDGET**

# PROTOTYPE TESTING

CONDUCTING USER TESTING EARLY IN THE DEVELOPMENT PHASE HELPS IRON OUT USABILITY FLAWS EARLY



OUR USER TESTING FOCUSED ON THE **USABILITY** OF THE WIDGET AS WE WANTED THE APPLICATION TO MEET THE FOLLOWING CRITERIA:



STRAIGHTFORWARD  
SETUP



NON-INVASIVE  
SOFTWARE



AESTHETICALLY  
PLEASING

THE PHYSICAL PROTOTYPE ON THE OTHER HAND IS STILL CENTERED ON EXPLORING POSSIBLE USE OF TECHNOLOGY AND ENGINEERING SETUPS



# SUMMARY OF FINDINGS

THE RESULTS THAT WE OBTAINED FROM CONDUCTING IMPROMPTU USER TESTING WITH THE PROTOTYPE



## STRAIGHTFORWARD SETUP

THE METAPHORS USED FOR THE WIDGET STILL NEED TO BE FLESHED OUT IN GREATER DETAIL

THE TWO PRIMARY BUTTONS ON THE PROTOTYPE NEED MORE DISTINGUISHABLE ELEMENTS



## NONINVASIVE SOFTWARE

THE WIDGET PLATFORM KEEPS THE APPLICATION WELL HIDDEN

HOW CAN THE USER BE NOTIFIED OF IMPORTANT ALERTS WITHOUT DISTURBING THEM?



## AESTHETICALLY PLEASING

THE WIDGET IS WELL ON ITS WAY AND ENCOURAGES INTERACTION

THE PHYSICAL PROTOTYPE'S IS DOWNRIGHT UNDESIRABLE AND DISCOURAGING

THE WIDGET IS DEFINITELY ON THE RIGHT TRACK. HOWEVER, WITH ITS CRUDE FORM FACTOR, THE PHYSICAL PROTOTYPE WITHOUT A DOUBT LONGS FOR A FRESH NEW LAYOUT.

# NEXT STEPS?

WITH A REVISED PROJECT, WE HOPE TO HAVE A CONSISTENT ANGLE OF ATTACK  
FOR THE REMAINDER OF THE SEMESTER

MORE EMPHASIS ON DEVELOPING THE PHYSICAL PROTOTYPE

BRIDGING COMMUNICATIONS BETWEEN THE WIDGET AND PHYSICAL PROTOTYPE

PROGRESSING THE USER INTERFACE OF THE WIDGET

GIVING THE “SUSTAIN-A-STACK” A MORE DESIRABLE FORM FACTOR

