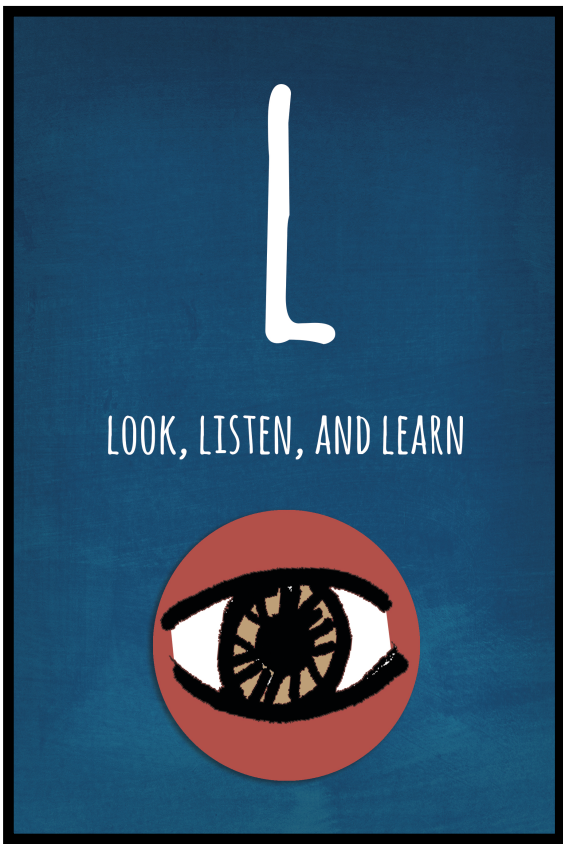


April		May		June	
29	Mo	1	We	1	Sa Build first Prototype
30	Tu	2	Th	2	Su Build first Prototype
		3	Fr	3	Mo Final Building for First Prototype
		4	Sa	4	Tu Complete <b>C</b>
		5	Su	5	We Fix
		6	Mo Professional Day	6	Th Fix
		7	Tu	7	Fri Complete <b>H</b>
		8	We	8	Sa Build Prototype 2
		9	Th	9	Su Build Prototype 2
		10	Fr	10	Mo Complete <b>C</b>
		11	Sa	11	Tu Fix
		12	Su	12	We Fix
		13	Mo	13	Th Complete <b>H</b>
		14	Tu	14	Fri Final Prototype
		15	We	15	Sa Final Prototype
		16	Th	16	Su Practice/Keynote
		17	Fr Complete <b>L</b> Milestones	17	Mo LAUNCH! Prep
		18	Sa	18	Tu Practice/Keynote
		19	Su	19	We Practice/Keynote
		20	Mo <u>Stay Home Please</u>	20	Th PRESENT
		21	Tu Complete <b>A</b> Milestones	21	Fri
		22	We	22	Sa
		23	Th Pitch Form	23	Su
		24	Fr Deeper Research about Topic	24	Mo
		25	Sa Brainstorm Ideas	25	Tu
		26	Su Possible Creations	26	We
		27	Mo Complete <b>U</b> Milestones	27	Th
		28	Tu Look back at ideas brainstormed and choose the best few	28	Fri

April	May			June	
	29	We	<b>Complete N Milestones</b>	29	Sa
	30	Th	Get Materials for Concrete Idea	30	Su
	31	Fr	Build first Prototype		





**L: Look, Listen, and Learn**  
In the first phase, you look, listen, and learn. The goal here is awareness. It might be a sense of wonder at a process or an awareness of a problem or a sense of empathy toward an audience.

- On this page show evidence for:
- Section 1: Challenge 1, 2, and 3
  - Section 2: Preliminary Research
  - Summary: How Might We

Challenge 1: A Specific Issue

It bothers me how a lot of leftover food from lunch is being thrown away just because they are “leftovers”.

One thing that I wish I can change about the world is that everyone values the amount of food they have.

One Issue about North Vancouver itself is that construction of public roads are way to slow and it effects the traffic and people.

Challenge 2: A Specific Group

It seems that many groups of people can be misjudged and have to live up to stereotypes. Being unfairly treated and being told that they don’t belong.

A group of people that I would say are facing injustice are females. Because of history, they are know to be weaker than men.

A mistreated group of people at our school personally would be the Asians. They are known to be smart and good at math and if their not they’ll be laughed at.

Challenge 3: A Specific Product

I enjoy taking walks around a scenic area or place. It calms my mind and makes me remind myself what an amazing place we have. I also like to do sports such as play tennis. It’s a good way to feel less stressed since you’re so focused on the game.

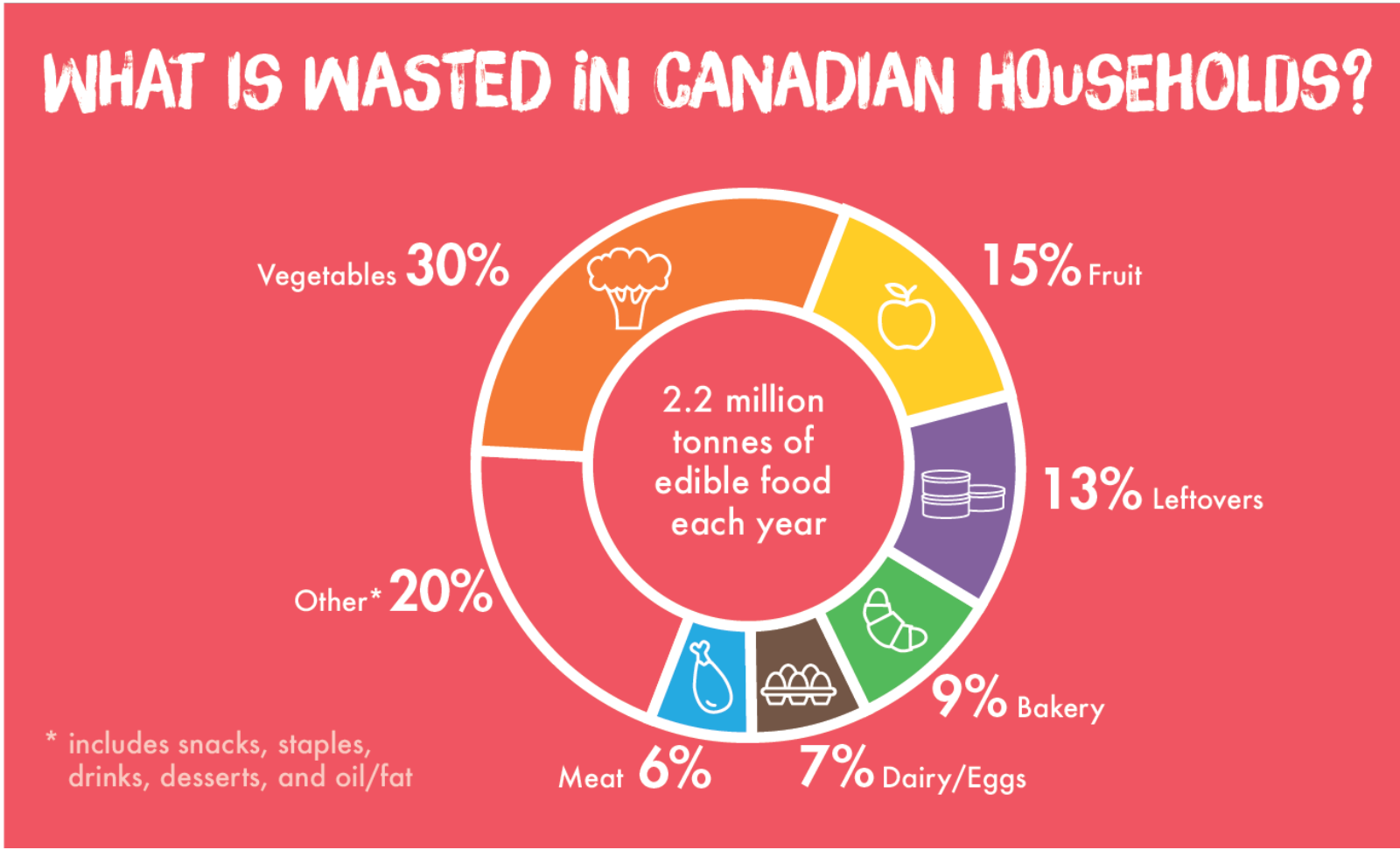
A chart that you can adjust each day by how much food your wasting each day should exist.

When I think of a great tennis player, I think of good endurance, good form, good focus, dedication, great mental attitude.

When I think of the different criteria for a great tennis player, I would think they are tall, and have a good mental attitude. Without the mental attitude, you have a long way from being a great tennis player.

The product I want to create is a chart that would show people how much food they’re wasting. I want the chart to teach them to stop wasting food but the chart is based on complete honesty.

Studies that show what type of food is wasted.



Studies that show the percentage of food that could’ve been eaten.



<https://lovefoodhatewaste.ca/about/food-waste/>



- How might we:
- Save money by eating leftovers?
  - Make the food last longer?
  - Reduce the amount of wasted food by having a good grocery store plan?
  - Eat the right amount of food?
  - Use food waste to create something else?
  - Reuse left over food?





**A: Ask Tons of Questions**  
Sparked by curiosity, you move to the second phase, where you ask tons of questions.

- On this page show evidence for:
- Need to Know Chart
  - Action Plan (here on on timeline)

Action Plan is on "My Timeline."

Need To Knows		
KNOW	NEED TO KNOW	NEXT STEPS (ways you could find out that NTK)
Food Wasting is one of the main issues the world is currently having	The percentage of people that needs food?	Research
The majority of the food that are wasted can be eaten	How many people waste food each day?	Survey
My family sometimes waste food as well	How much food the world is wasting per year?	Research
Leftovers are equivalent to wasted food if you don't eat it	What countries needs the most food?	Research
Eating leftovers from within 3-4 days won't harm you if you keep them frozen or in the refrigerator	Is there a product that allows people to save food?	Interview/Research
Eating leftovers can save money and food!	Are people already making ways to stop people from wasting food?	Interview/Research
The product I'm creating must not exist	Which country wastes the most food?	Research
The product must be important to me	Can our product be important to the family more than to you?	Teacher
Must follow the launch cycle		

## Blue Sky Project Pitch Form

### Introduction

Explain the goal of your project. What is the problem you are tackling? Who is the client that needs a solution to this problem?

The problem that I want to solve is to reduce less food waste. Both me and my family needs to realize that we can't waste food and so does the world I would say. The goal is to basically not having people waste that much food.

### Rationale

Why does this challenge appeal to you? What learning will you be undertaking as you work to complete the challenge? How is it a problem for your client?

This challenge appeals to me because I've always wanted to waste less food. The challenge will allow me to understand the bad things that will happen if too much food is being wasted. This is not only a problem for me but also a problem for my family. Knowing my family, some of the food that are leftovers or food that we "think" is bad could probably have been eaten.

### Research

What will you need to investigate during the course of your project?

I will research the percentage of food wasted, the countries that need the food the most, and how much food we can save. I will also look into how we can save leftovers as well as how to make food so it doesn't get bad that fast. I will also look into the percentage of food wasted in BC and Canada.

### Materials

What materials will you need and/or have access to for your project? How will you access those materials?

I will need only my iPad since I'm creating a step by step guide of an app. I will also need a lot of research because I was thinking of creating a website that tells people about the food waste and how to reduce it.

### Plan

What is the basic timeline for your project and the plan for your completion. Point form is acceptable.

- Brainstorm what to create before Monday. - Research On the weekend and Complete U. - Sort the ideas from best to worse. - Complete N on Tuesday. - Create Concrete Idea. - Create First Prototype before June 4th. - Fix and Create Second Prototype. - Fix and Create Third Prototype. - Launch!

### Exhibition

You will be presenting with a group of students as part of an installation on the exhibition evening. How might your project and prototypes be exhibited? What themes will be in your project that might fit with other students' projects?

## Blue Sky Project Pitch Form

Since my project is more about world problems, the theme can be nature, nutrition, and food. It can be about things to worry about on our planet and maybe issues that we need to deal with first. My work will be displayed probably on a table with the keynote/animation I'm creating and my final Prototype.

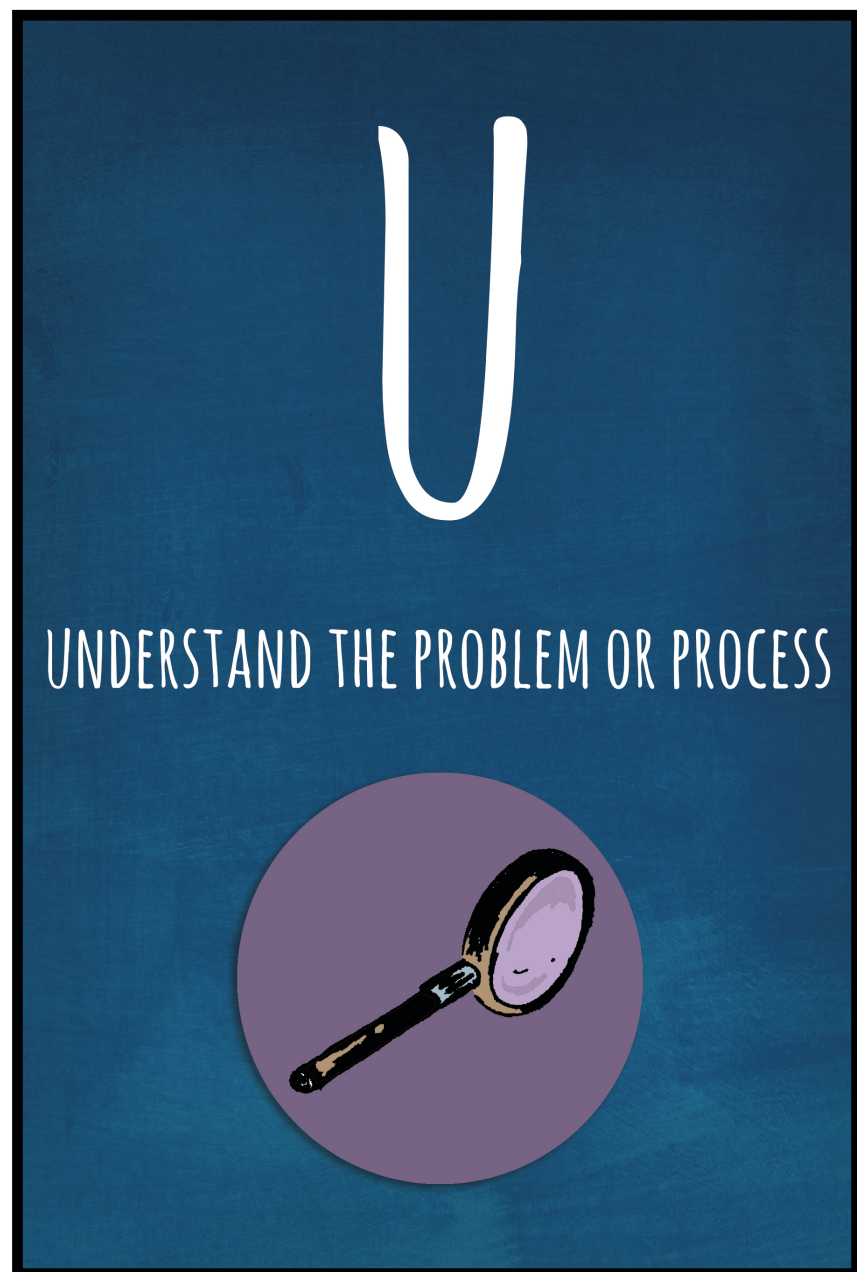
### **Client**

Your project will require you to get outside help to get feedback on your challenge.

You need to identify who your client is, how you will contact them for feedback on your THREE prototypes, and what assistance you think they will give you.

I was thinking of my parents since it's kind of difficult to contact a professional that knows about food waste. I think my parents can tell me the bad things(why it's bad, what it impacts, etc.) about food waste and can also give me feedback on my app. They can also look at the website I created and see if it actually helps.





#### U: Understanding the Process or Problem

This leads to understanding the process or problem through an authentic research experience. You might conduct interviews or needs assessments, research articles, watch videos, or analyze data.

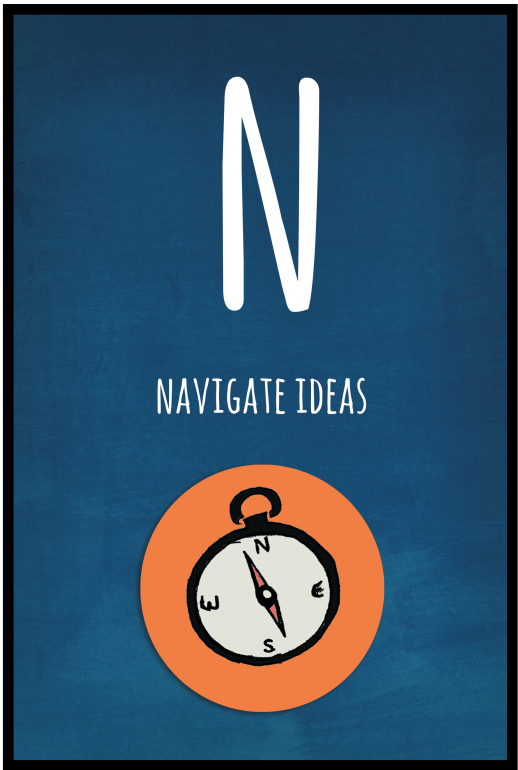
#### On this page show evidence for:

- Primary Sources
- Secondary Sources

Secondary Research:

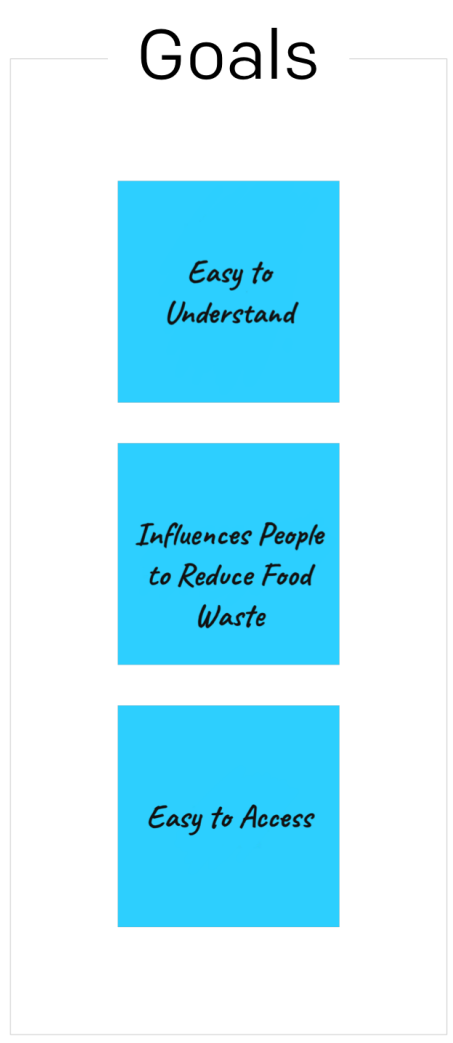
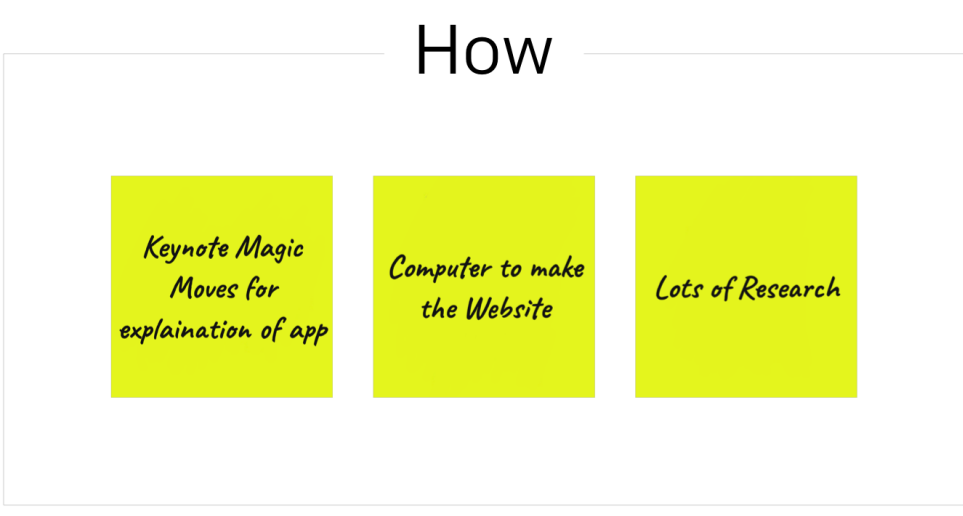
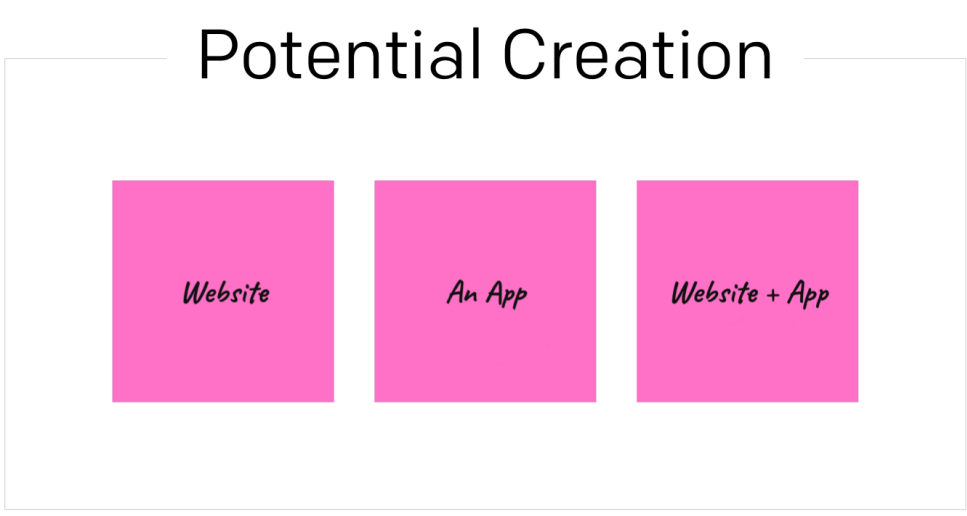
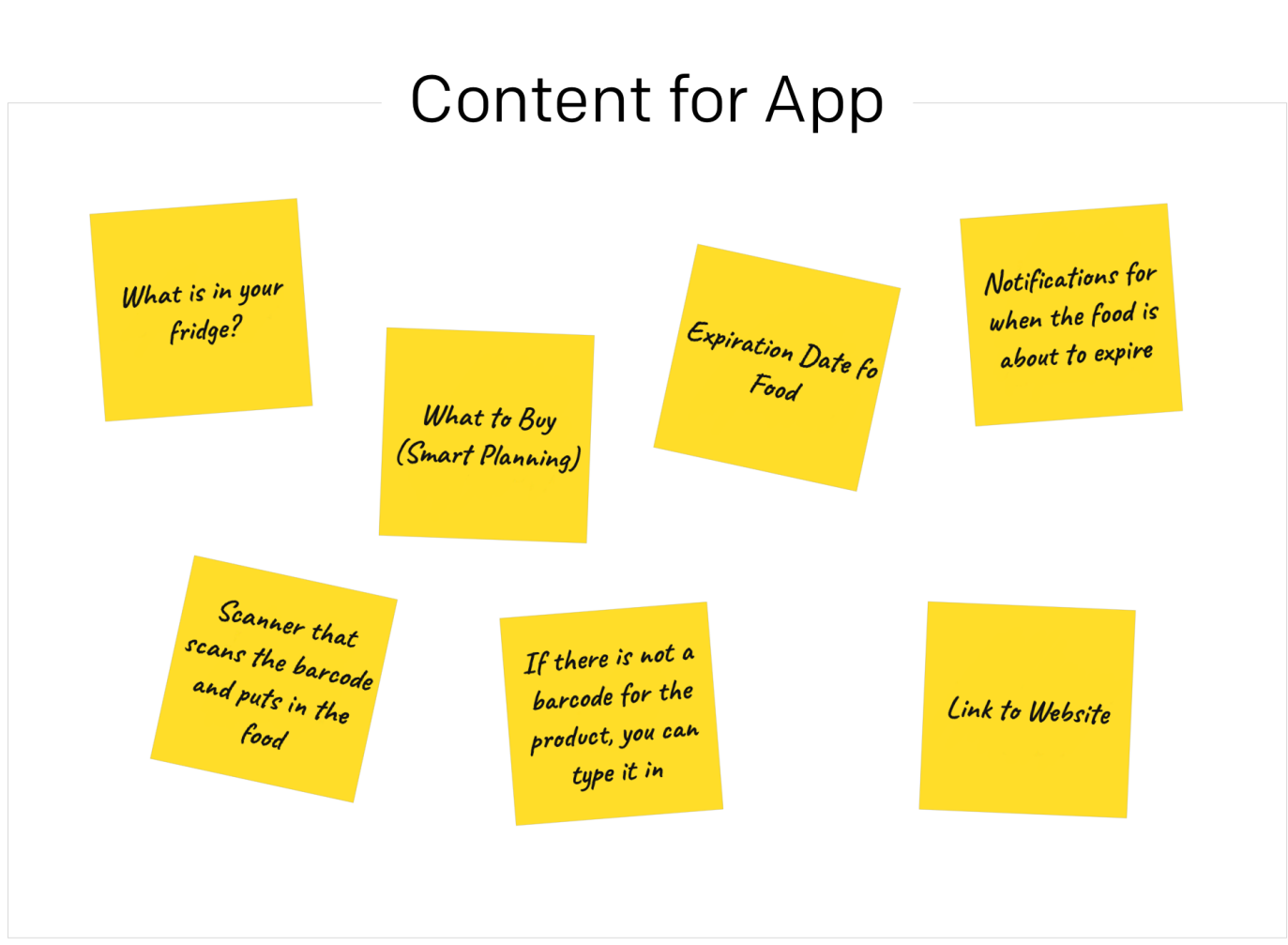
**What is food waste:** Food waste is food that is simply thrown away because it can not be eaten. Food waste can occur in many different ways. Some ways are food rotting in stores, buying too much food that rots, food that can not be finished during the meal(leftovers) that is being thrown away, and simply people that think the food looks bad.

About 63% of food that is being thrown away can be eaten. So where exactly are these food being wasted from? According to many websites, 40-44% of food is wasted by the residents! Not the supermarket, not the farm, not the restaurant. It comes from us who buys the food. About 30-33% is wasted in restaurants, mainly due to leftovers. The other 23-30 percent comes from the production companies, the transportation and others.



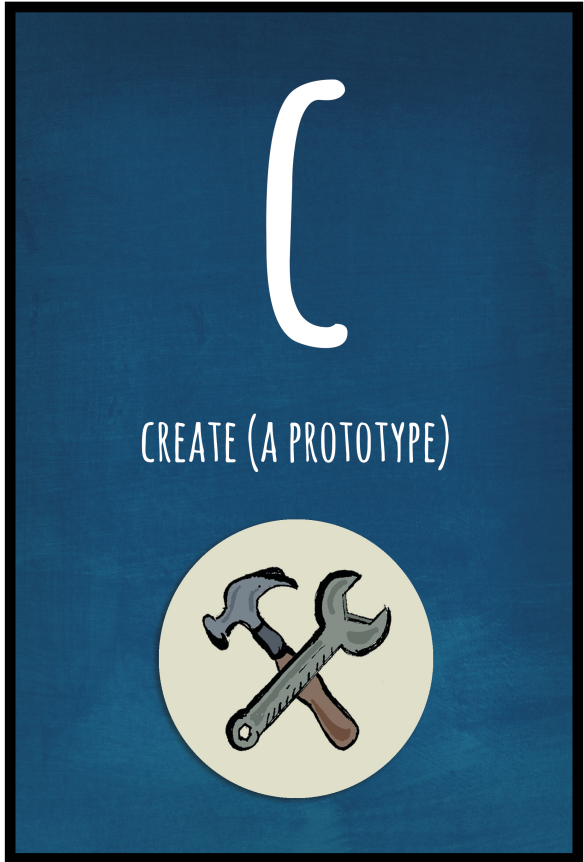
**N: Navigate Ideas**  
You apply that newly acquired knowledge to potential solutions. In this phase, you navigate ideas. Here you not only brainstorm, but you also analyze ideas, combine ideas, and generate a concept for what you will create.

- On this page show evidence for:
- Grouping
  - Bundling



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**C: Create a Prototype**  
In this next phase, you create a prototype. It might be a digital work or a tangible product, a work of art or something you engineer. It might even be an action or an event or a system.

- On this page show evidence for:**
- Section 1: What to Prototype?
  - Section 2: Rapid Prototypes
  - Section 3: Live Prototypes

**What to Prototype**

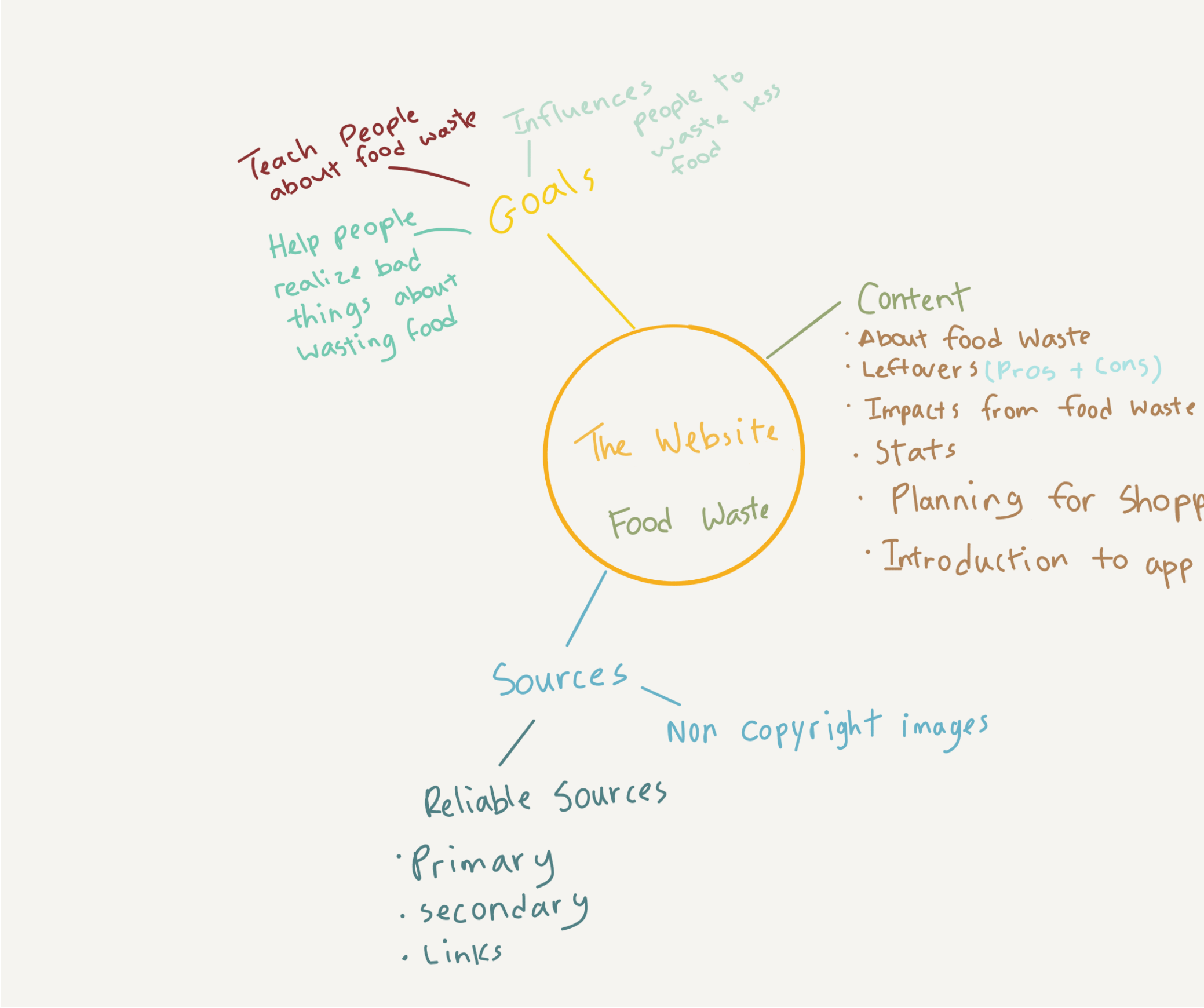
The three rapid prototypes I will be creating will be:

A storyboard to show what hopefully would happen when I create the app. Help people know when food expires, what's in their fridge so what to buy, and notifications for when food is about to expire.

I will create an animation to show the process of the storyboard.

I will also create a mind-map that shows things that will be included in the website I will be creating to support the app.

My goal is to get feedback before I create the app(Keynote slides since I don't have a Mac to code and it will be to hard anyways) and feedback about things to change or to add before publishing the website. Obviously, if I won't be creating the app, there wouldn't be a link to it in the website so I will just explain what would happen if the app was created. The three prototypes will hopefully give the audience a good idea of what I will be creating.







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**H: Highlight and Fix**  
Next, you begin to highlight what's working and fix what's failing. The goal here is to view this revision process as an experiment full of iterations, where every mistake takes you closer to success.

- On this page show evidence for:**
- Section 1: Feedback
  - Section 2: Iterate
  - Section 3: Burn Down Chart (here or on timeline)

- Feedback:**
- Fridge Section:
- Add details to product when you click on the food
  - Add names to product
- App
- Create Logo
  - Name
- Content
- Add Stats section so you know how much food is being wasted and how much food is expired
  - Email weekly reports

Burn Down Chart	
Task	When
Create Rapid Prototypes	June 4th 2019
Create Draft 1 Prototype	June 12th 2019
Fix Feedback Requests Fridge	June 17th 2019
Fix Remaining Feedback Requests	June 18th 2019

Finished Check-In
Complete
Complete
Complete
Complete



**Launch to an Audience**

Then, when it's done, it's ready to launch. In the launch phase, you send it to an authentic audience. You share their work with the world!