

CALUCULATOR PROJECT

Water calculator
Tissue calculator (based on how much you cry
Homework calculator
Popcorn calculator (how much you need for the amount of people and hunger level)
Crepe calculator (how many you need for the amount of people and hunger level)
Sunset calculator
Pancake calculator (how many you need for the amount of people and hunger level)
Sleep calculator
Tv show
Exercise calculator
How much water you need to drink based on weight and height
Crazy hot scale
Basic white girl+ (how basic are you?)
Grocery list total
App to solve regular math problems
Cost to sell clothing
Cost to start a business
Cost to build a house
Cost to build an apartment complex
Tip your waiter calculator
Goal tracker based on percentages
How much time you need outside
How much you are using your screen added up

Calculation of how much you can save by buying groceries vs. eating out
Calculate how much you could make by selling food for certain prices
How much you could make by buying thrift clothes and reselling them
How much you could make by reupholstering thrift furniture and selling them
Calculate how much sleep you'd get if you went to bed right now
Calculate how much time different food items need based on changing the temperature of the oven
Calculate how likely it is that you will get a job based on your credentials
Calculate moods based on your cycle
When your next period will be
Weather calculations
Hours you work calculating how much you get paid
How much you eat based on how much you work out
Driving time based on speed and distance going
Calculate when you need to change your oil next
Calculate how many diapers are needed based on the babies times peeing each day

Weight change per day
Budget per thing (house, car, groceries, etc.)
Calorie tracker based on exercise
Gas mileage for your car calculator
How much to bill someone for a service
Cost verse return calculator (buy something that you will use every day, how much is it worth to you?)
Bluetooth range calculator
Speaker range calculator
Spending vs saving calculator
Monthly payment calculations
Tithing calculator
Tax return calculator
Heart rate calculator

Calculator Project: brainstorm

DATE:



This is an example of a design I found online that could be used for my project

Grocery Items				
Item	quantity	price	total	
Apples	1	\$ 5.92	\$ 5.92	
Peanut Butter	2	\$ 6.66	\$ 13.32	
Cereal	1	\$ 3.64	\$ 3.64	
Campbells Soup	5	\$ 0.98	\$ 4.90	
Sweet Corn	8	\$ 0.98	\$ 7.84	
Barilla Pasta	4	\$ 1.28	\$ 5.12	
Laundry Detergent	1	\$ 9.98	\$ 9.98	
Pineapple chunks	3	\$ 1.48	\$ 4.44	
Canola Oil	1	\$ 1.53	\$ 1.53	
Coffee	1	\$ 9.96	\$ 9.96	
Prego Sauce	2	\$ 1.88	\$ 3.76	
Rigatoni	3	\$ 1.00	\$ 3.00	
Quaker Oats	2	\$ 3.88	\$ 7.76	
LED Light Bulbs	1	\$ 4.97	\$ 4.97	
Sub Total			\$ 86.14	
Tax (7.35%)			\$ 6.33	
Total			\$ 92.47	

This is another example of the grocery list, but it includes a total

The purpose of my app is to find the total price you will pay for your shopping list, by adding them up in the app. This app will include a home page, asking you what kind of shopping you are doing today (grocery, clothing, furniture, etc.). When you click one, it will bring you to a new page asking you to enter the price of each item you are purchasing. When adding a new item it will bring you to a new page to upload the information (price, name, etc.) When you have uploaded an item it brings you back to the list and you can continue adding more items. When you are finished, you then click to find the total. This will bring you to a new page showing you the total price that you will pay for those items, as well as making sure to share information about each item and the price for sales tax. I will be designing this for android.

Calculator Project Choice: shopping list total



Name: Mandy

Age: 25-32

Occupation: Stay at home mom

Mandy Miller is a stay-at-home mom. With three kids at home, she has a hard time grocery shopping when the kids are always asking for more. Mandy wants to become more organized with her budget, especially with her grocery list.



Name: Reggie

Age: 25-32

Occupation: College student

Reggie is going to college to become the first graduate in his a. He has a part-time job, but each month he finds that he has less than a hundred dollars in his bank account. He is tired of living on the edge and wants to find a better way to budget his money so that he can start saving to pay back his student loans.

Scenario: I need an app that will help me stay within my grocery limits!



Name: Greg

Age: 45-52

Occupation: Big business man

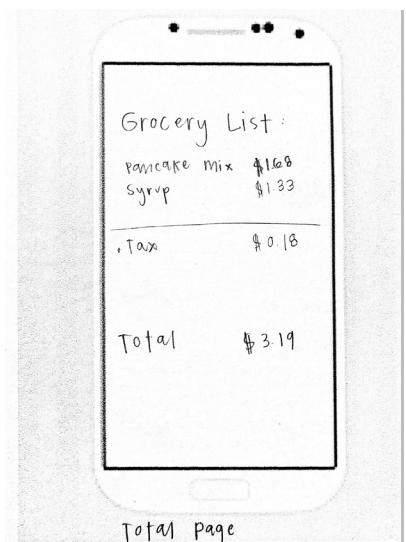
Greg just got remarried to his new wife Sheila. Sheila loves going out and buying new furniture for their brand-new house! Greg is getting worried that Sheila is spending too much money and wants a way to make sure she stays within her limits.

Scenario: I need an app that will keep my new wife within our budget. Tracking how much she spends on furniture and other necessary house items.

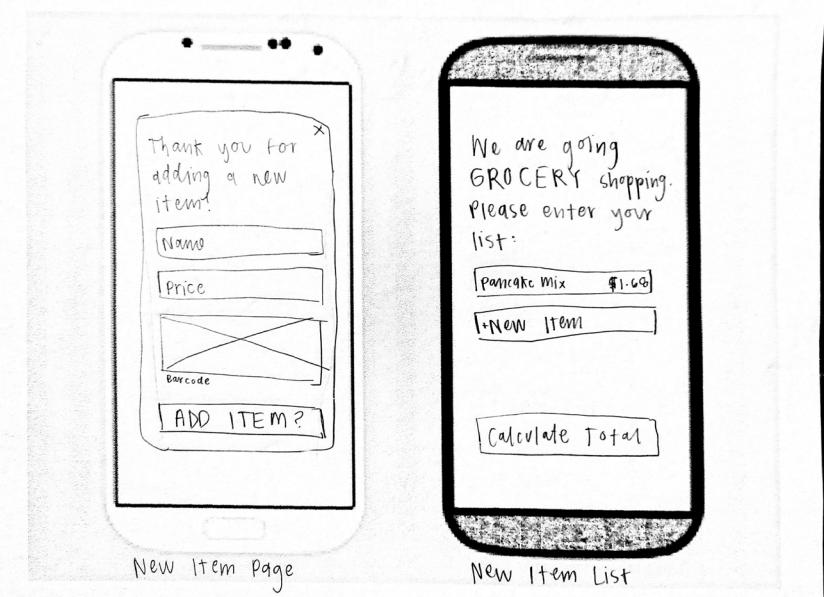
Calculator Project: target audience



This welcome page (left) has a button that leads to the shopping page (right) depending on which you pick.



This is the total page.



This new item page (left) has a button that leads to the new item list (right).

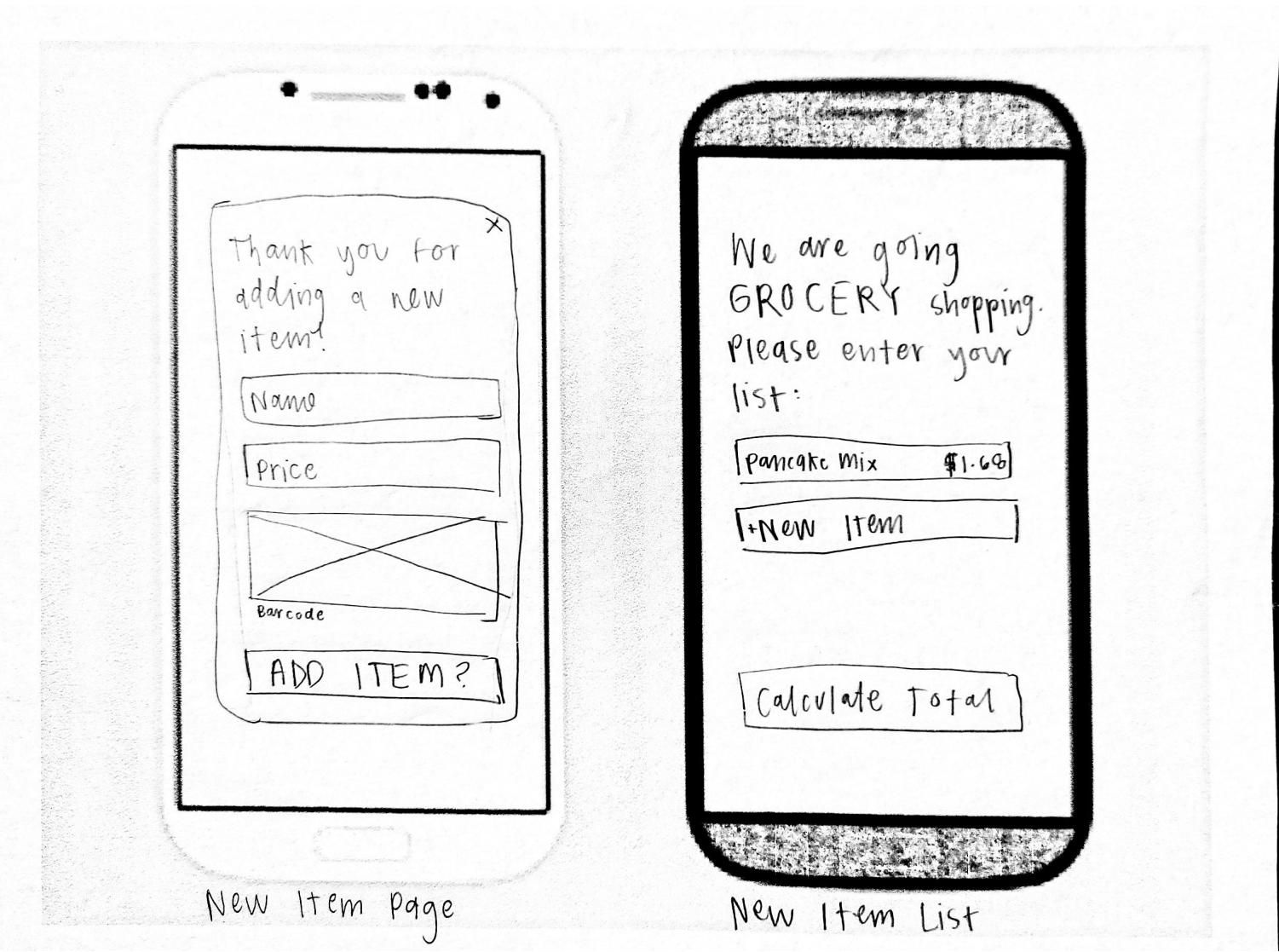
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Calculator Project: paper prototypes



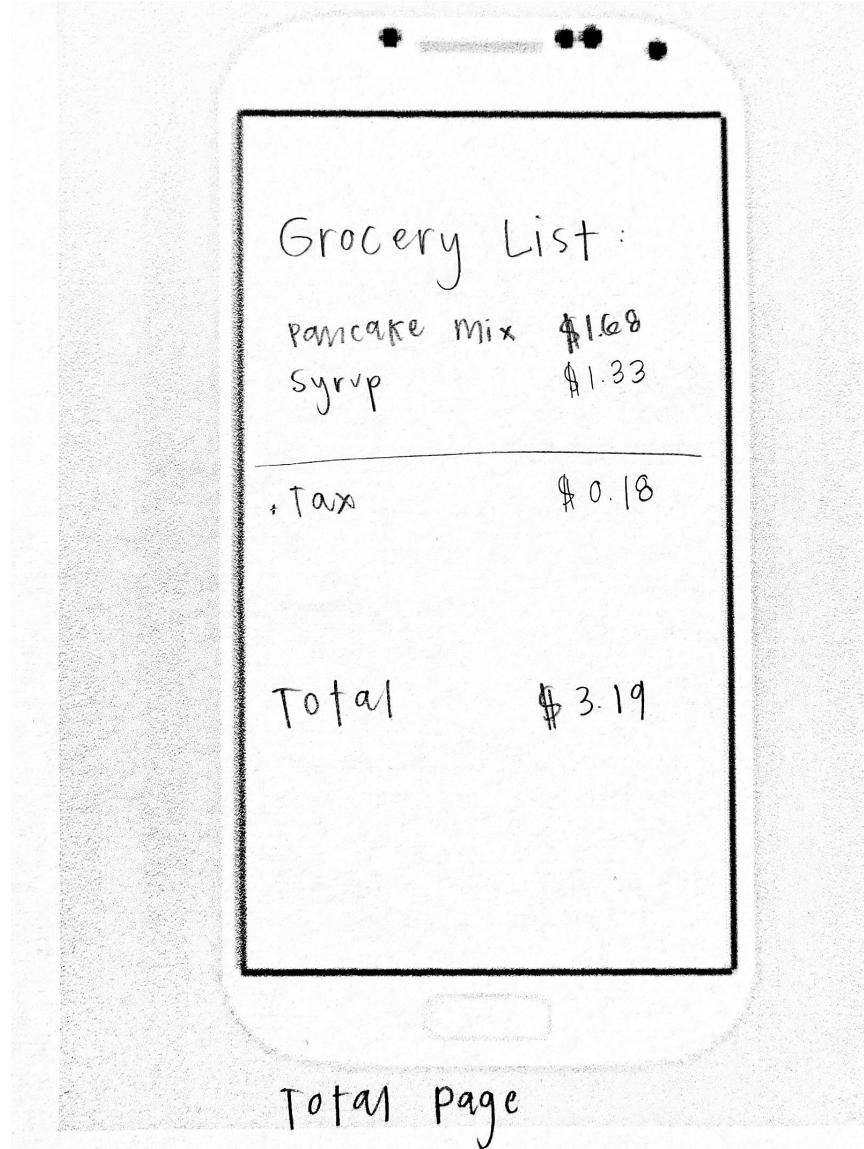
This welcome page (left) has a button that leads to the shopping page (right) depending on which you pick.

Calculator Project: paper prototypes



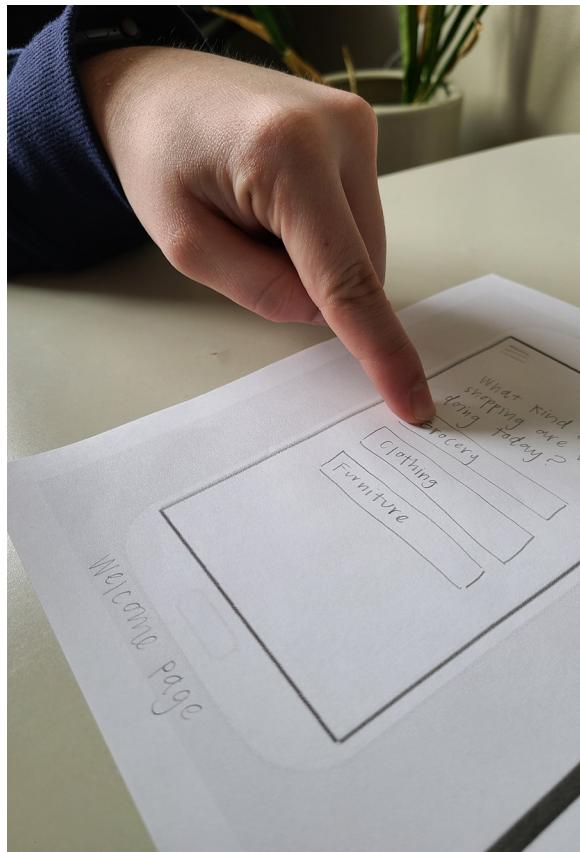
This new item page (left) has a button that leads to the new item list (right).

Calculator Project: paper prototypes

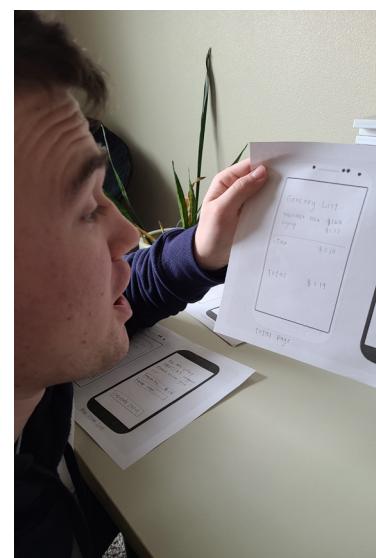
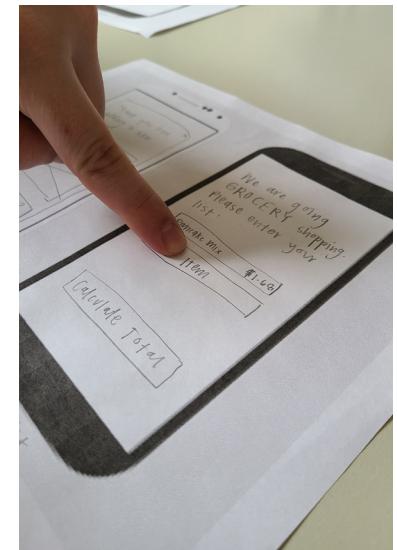
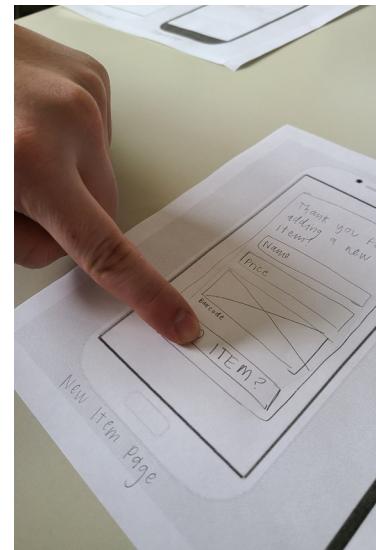


This is the total page.

Calculator Project: paper prototypes

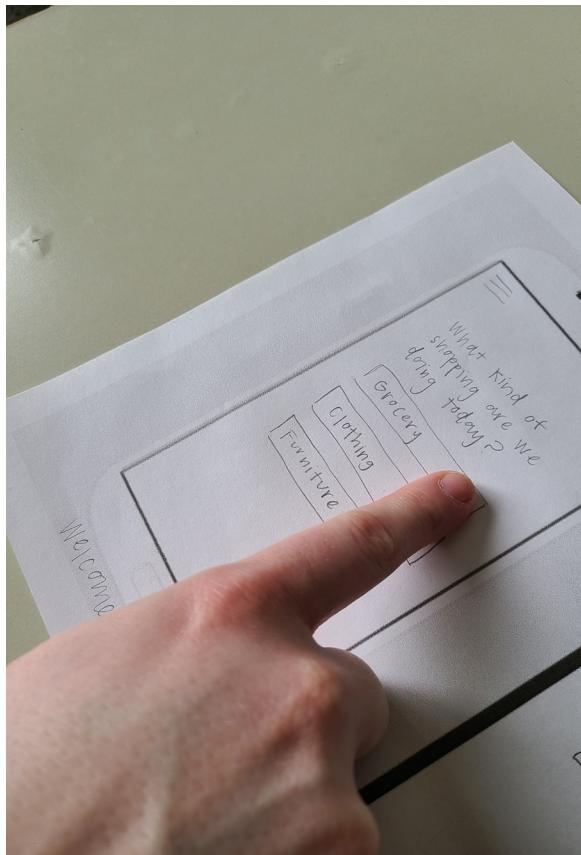


First Subject: Tristan
Found the app simple and easy to use. He said, "it is very straight forward. There was not a lot to get distracted by which is great for when you have kids!"

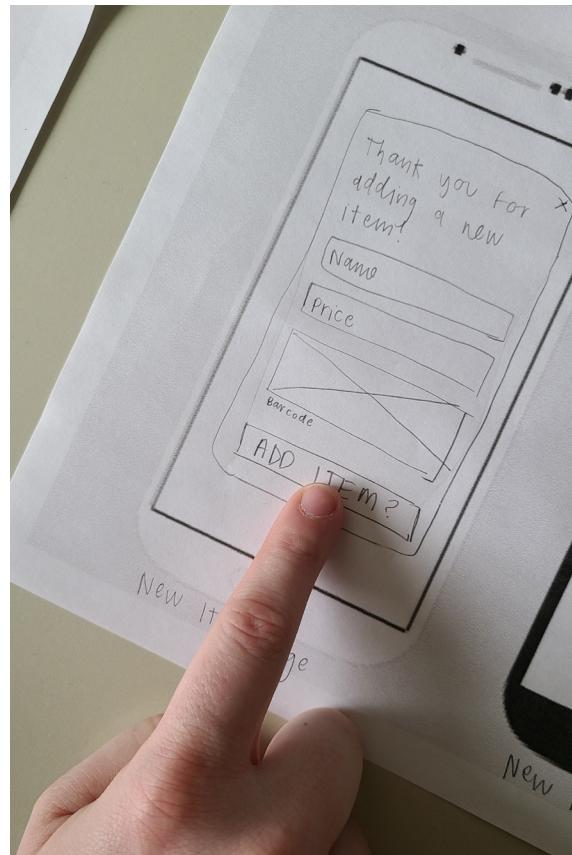


More testing throughout the app!

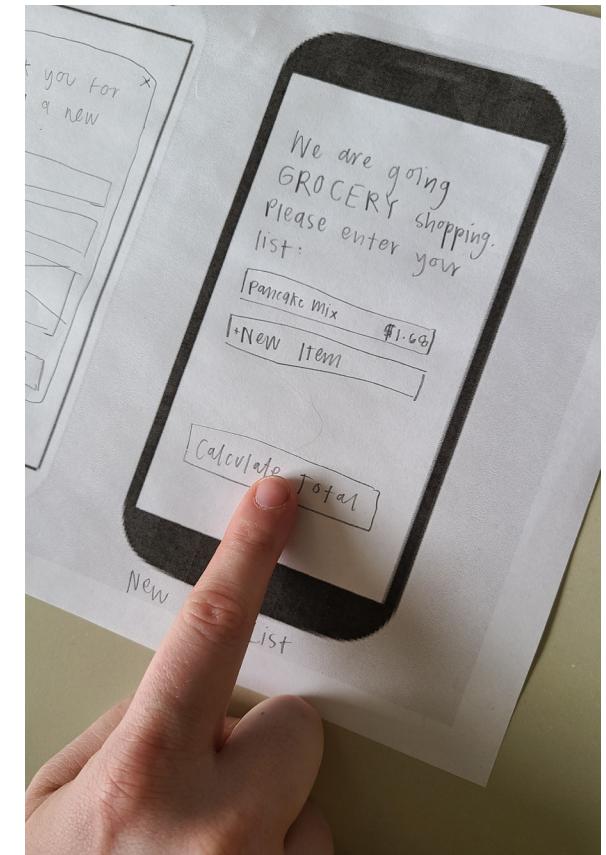
Calculator Project: usability testing



Second Subject: Emmy
Felt it was very useful and productive and is excited to see how it will help her organize her life!



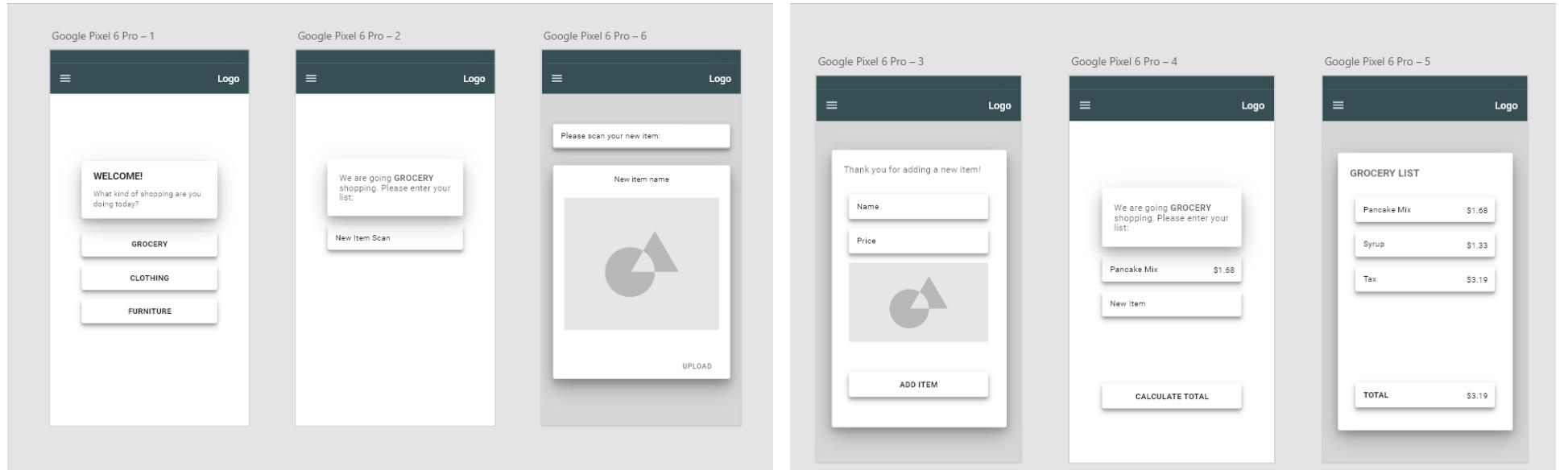
More testing through paper app!



Things learned during usability testing:
People want more color!
They loved the simplistic views with little distractions.
They also love the quick and easy access to the things they need.
Suggested to have an add your own section on the home page.

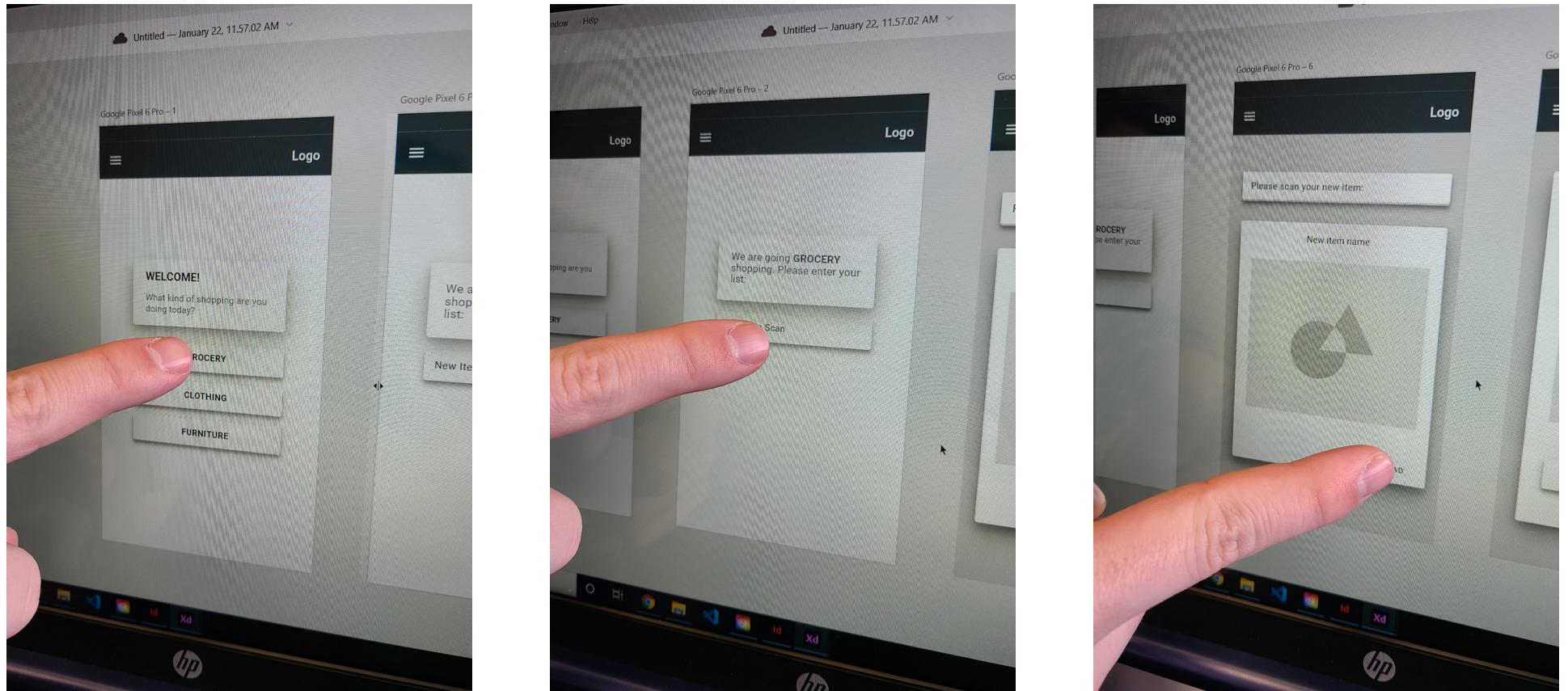
Calculator Project: usability testing

CALUCULATOR PROJECT: WEEK 2



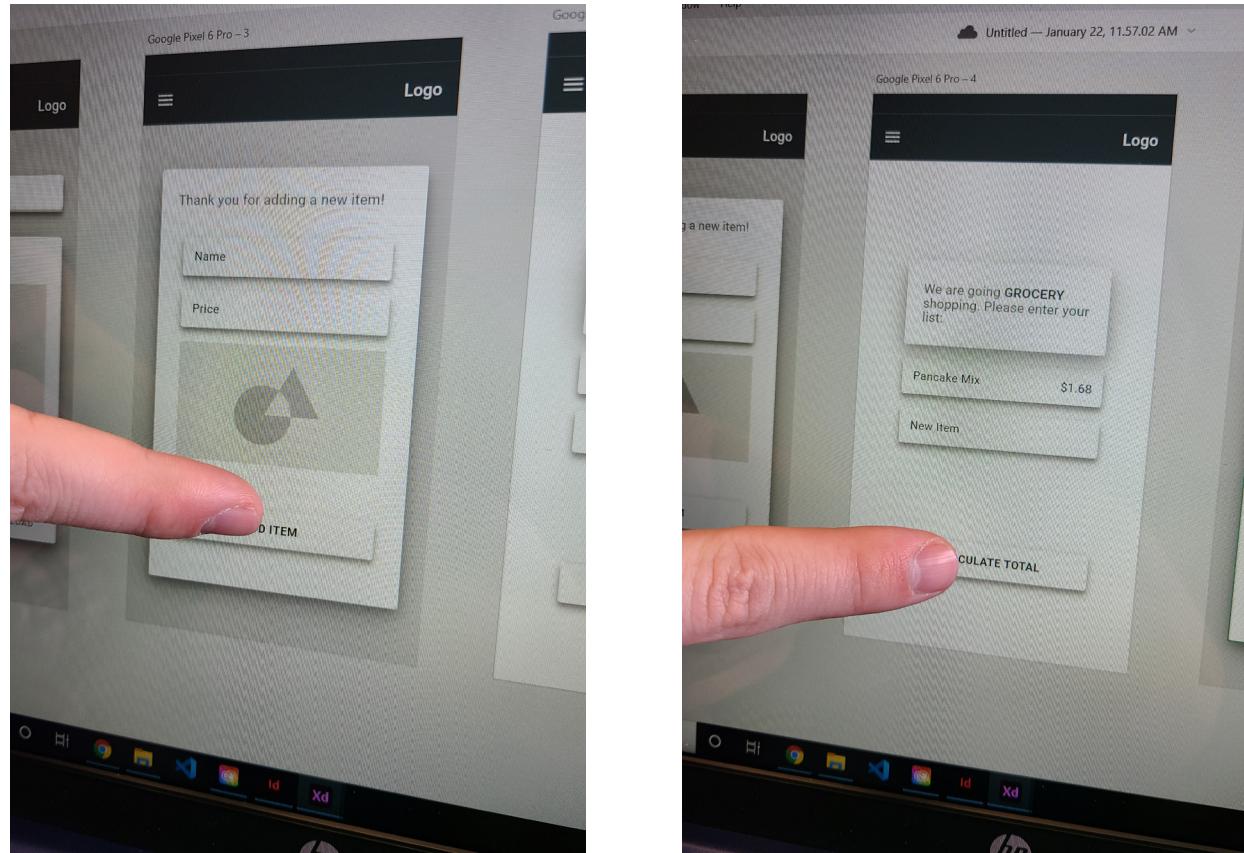
First wireframe for app

Calculator Project: digital wireframe 1



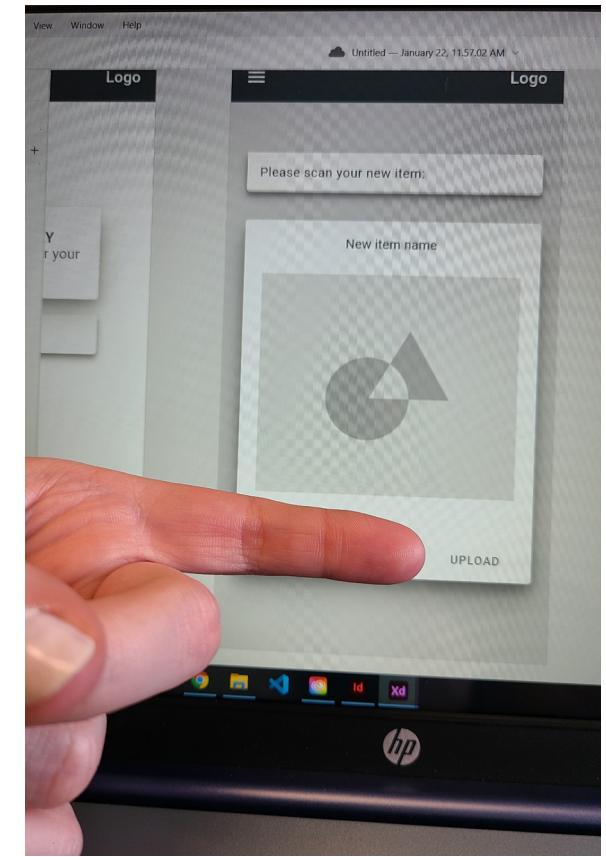
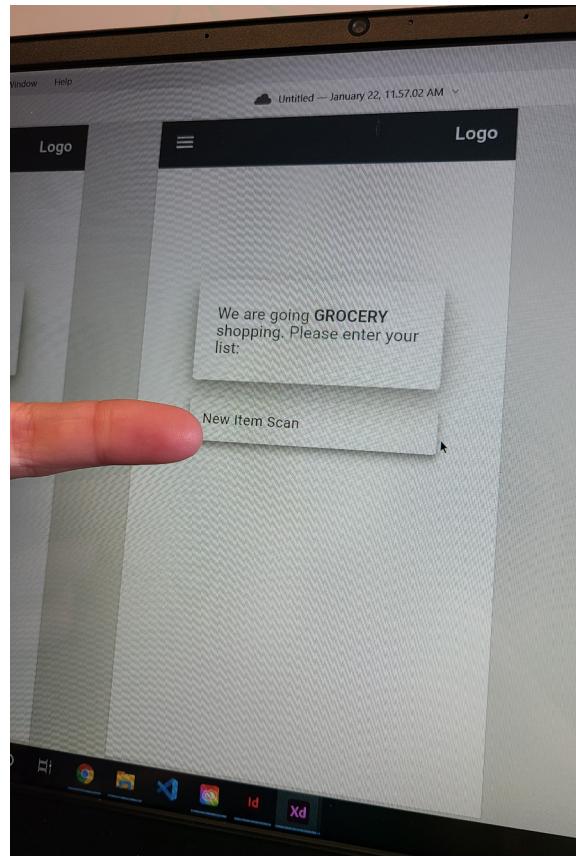
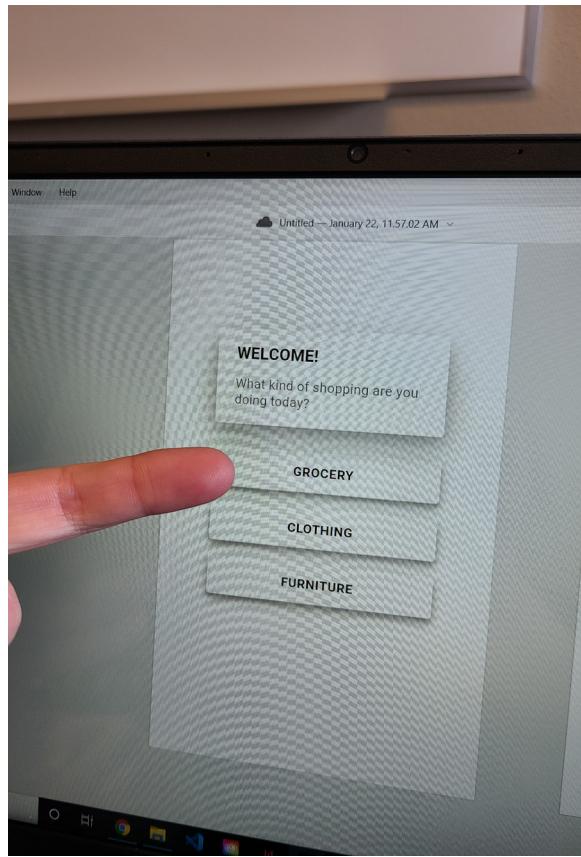
First Subject: Tristan
Wanted each page items to be at the same height
Was confused about the upload on the scanner. "Do I upload it? It
doesn't look like a button."

Calculator Project: digital wireframe 1



First Subject: Tristan continued

Calculator Project: digital wireframe 1



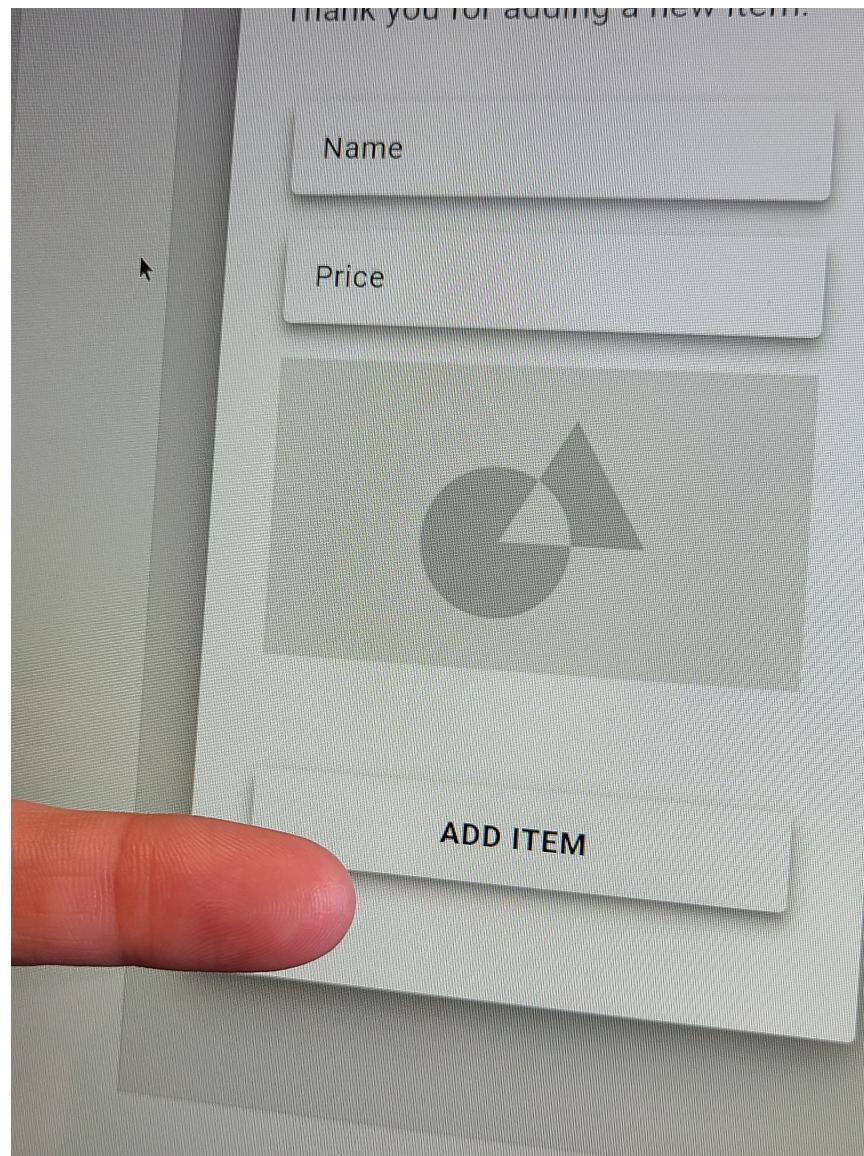
Second Subject: Emmy

Need to fix the upload button.

Possibly make a new category button on main page

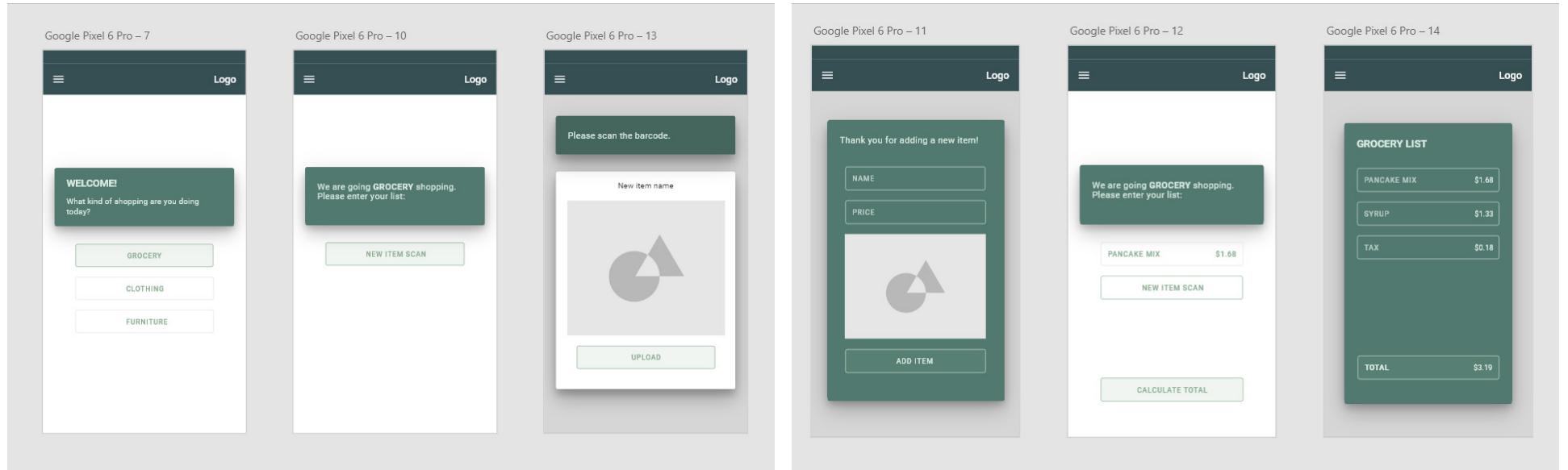
Create a manual upload or scan upload - then people can choose what they think will work best for them!

Calculator Project: digital wireframe 1



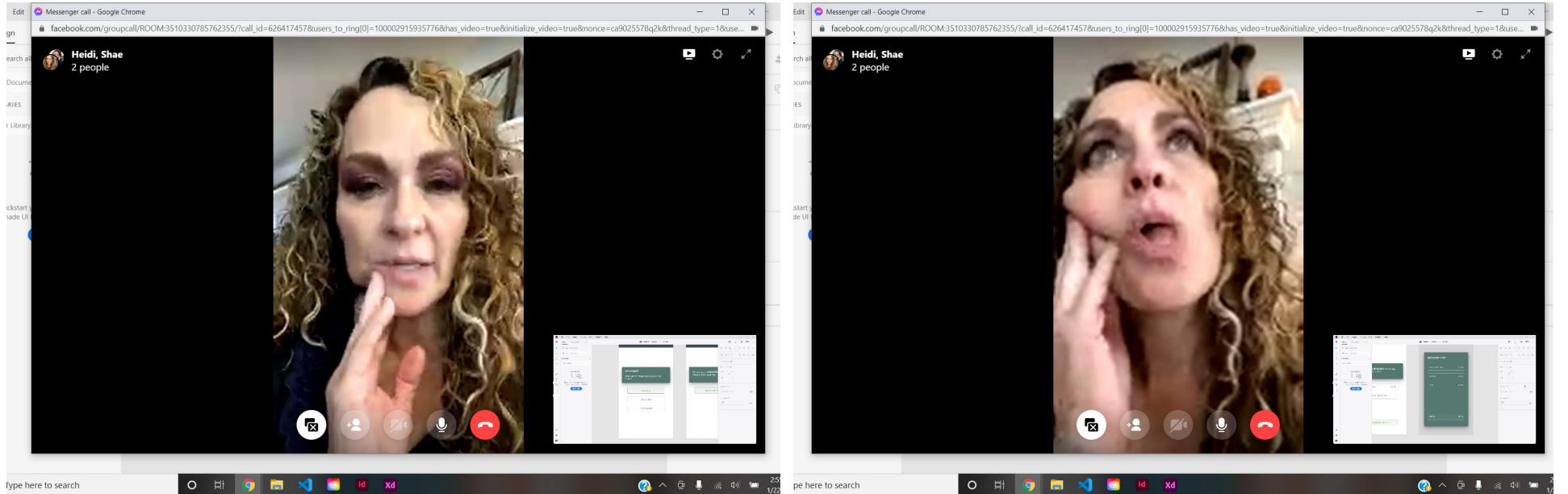
Second Subject: Emmy continued

Calculator Project: **digital wireframe 1**



Second wireframe for app

Calculator Project: digital wireframe 2



Third Subject: Heidi

Heidi had a lot of questions:

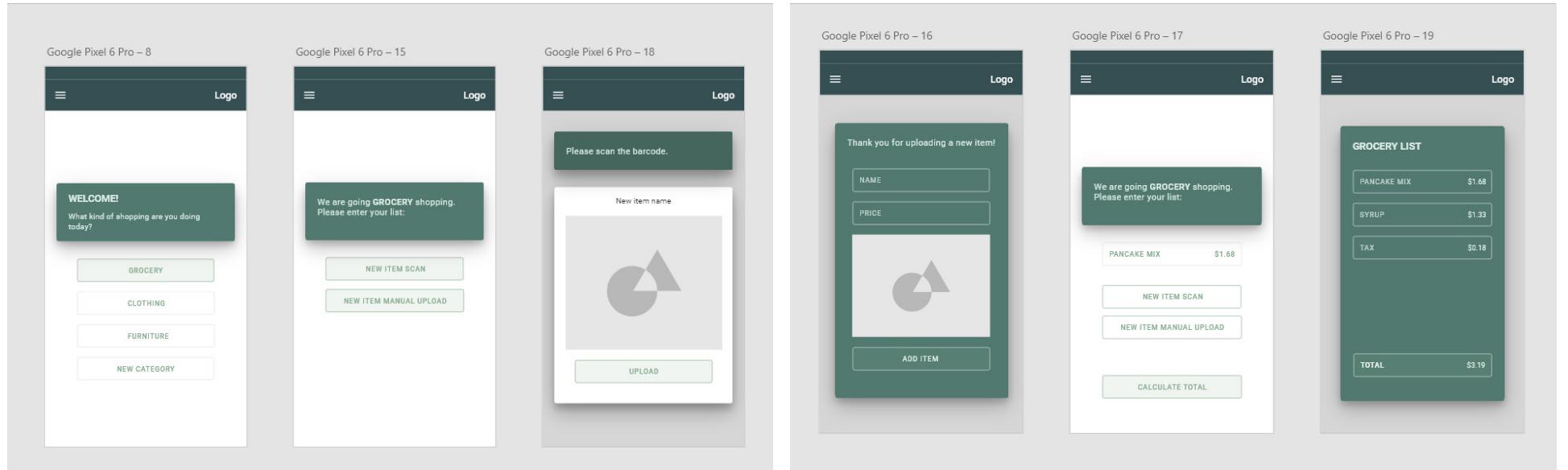
What if I want multiple of one item

Is it for a specific store? Like only Walmart or only Winco?

Can I upload items I already have to make a grocery list beforehand?

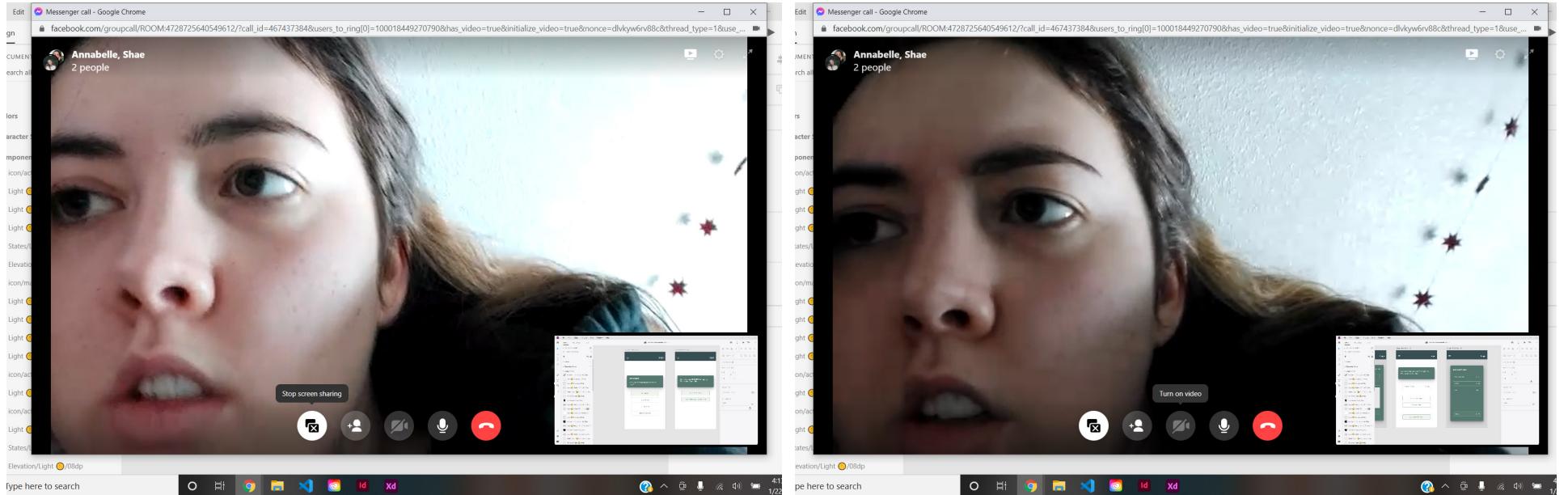
Make it a category to be in manual or scan so people can choose

Calculator Project: digital wireframe 2



Third wireframe for app

Calculator Project: digital wireframe 3



Fourth Subject: Annabelle

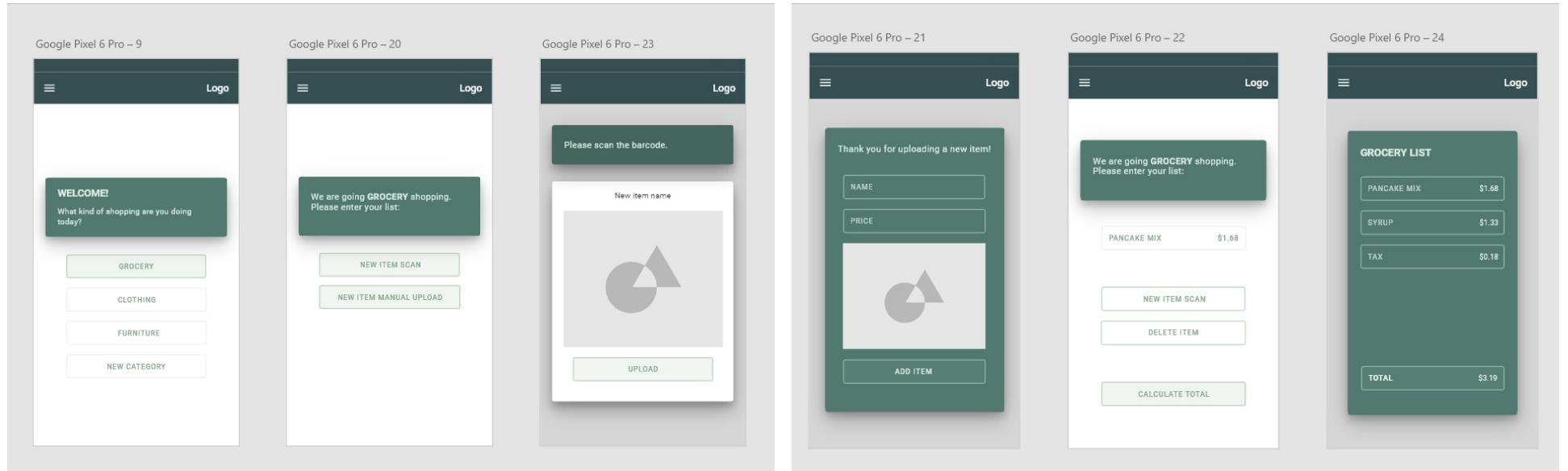
Can you remove tax for states that don't have sales tax?

Is this for any store?

Liked the clean look and how simple it was.

Add a delete button.

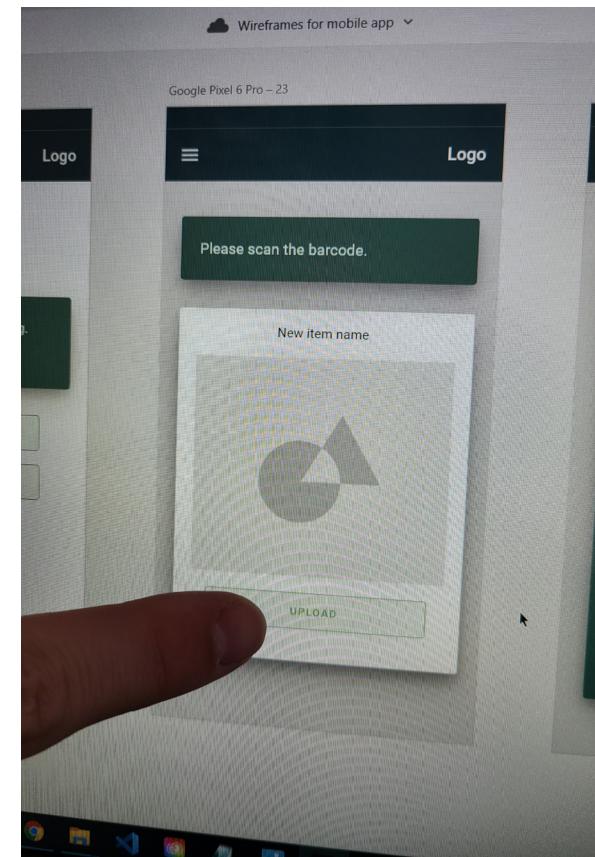
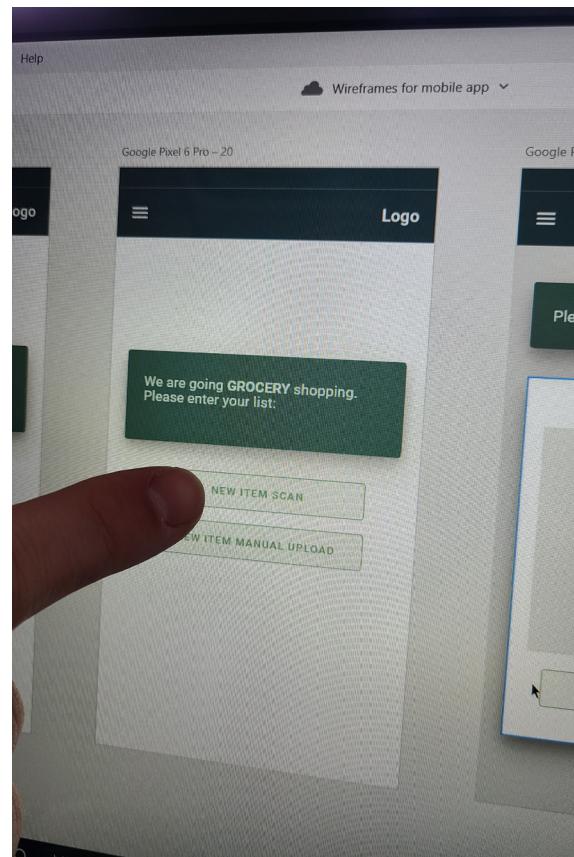
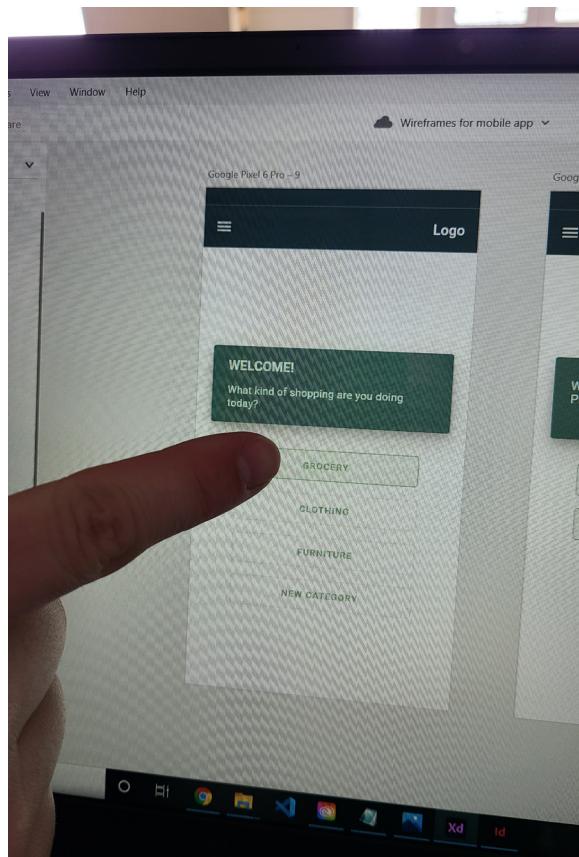
Calculator Project: digital wireframe 2



Fourth wireframe for app

Calculator Project: digital wireframe 4

CALUCULATOR PROJECT: WEEK 3



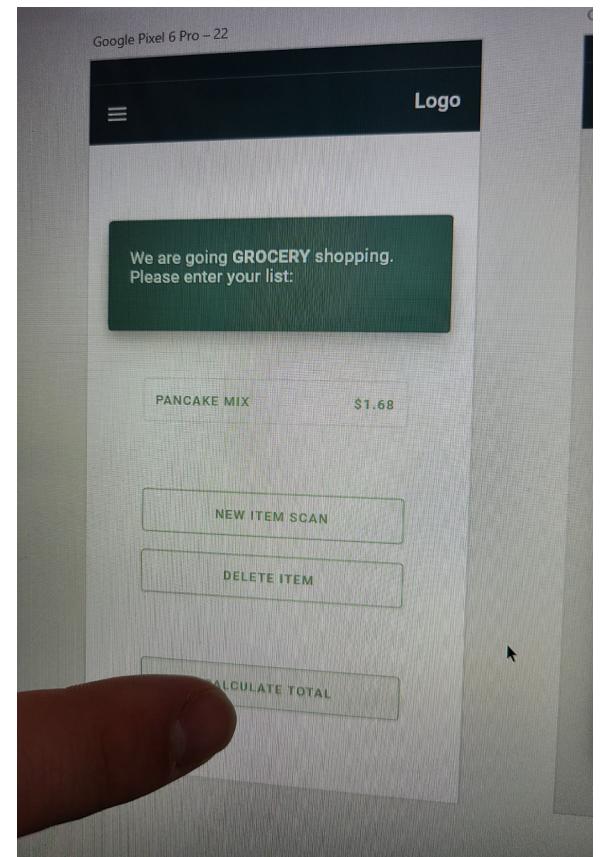
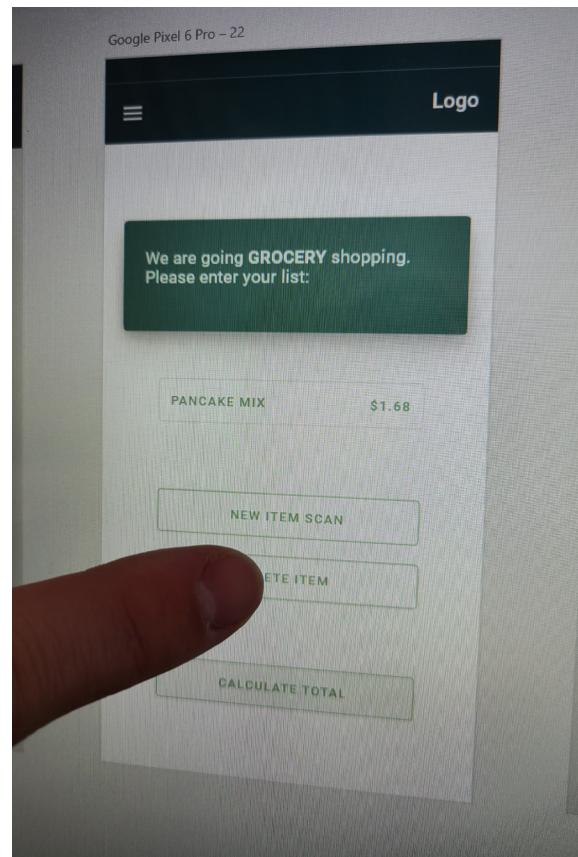
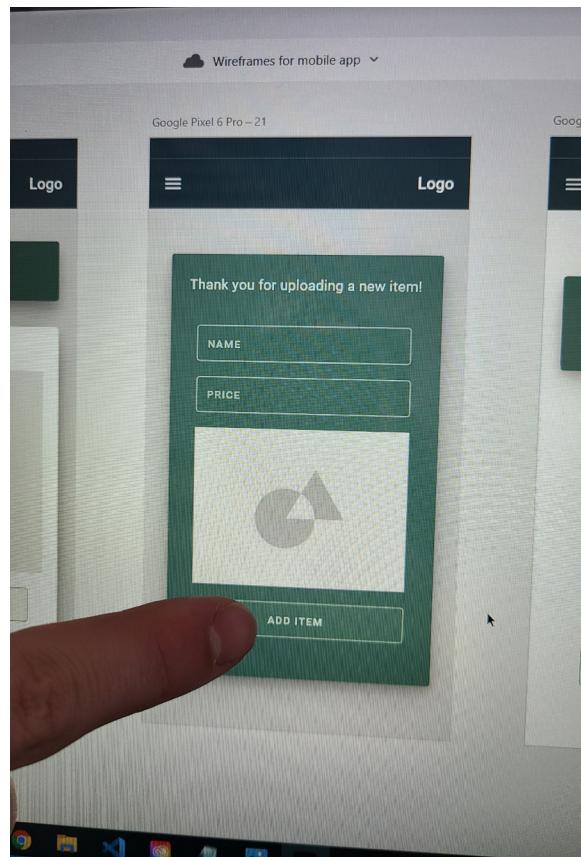
Subject Six: Jay

Suggested that I build out the delete page to see what that would look like.

Build out every page that is possible, not just the main ones.

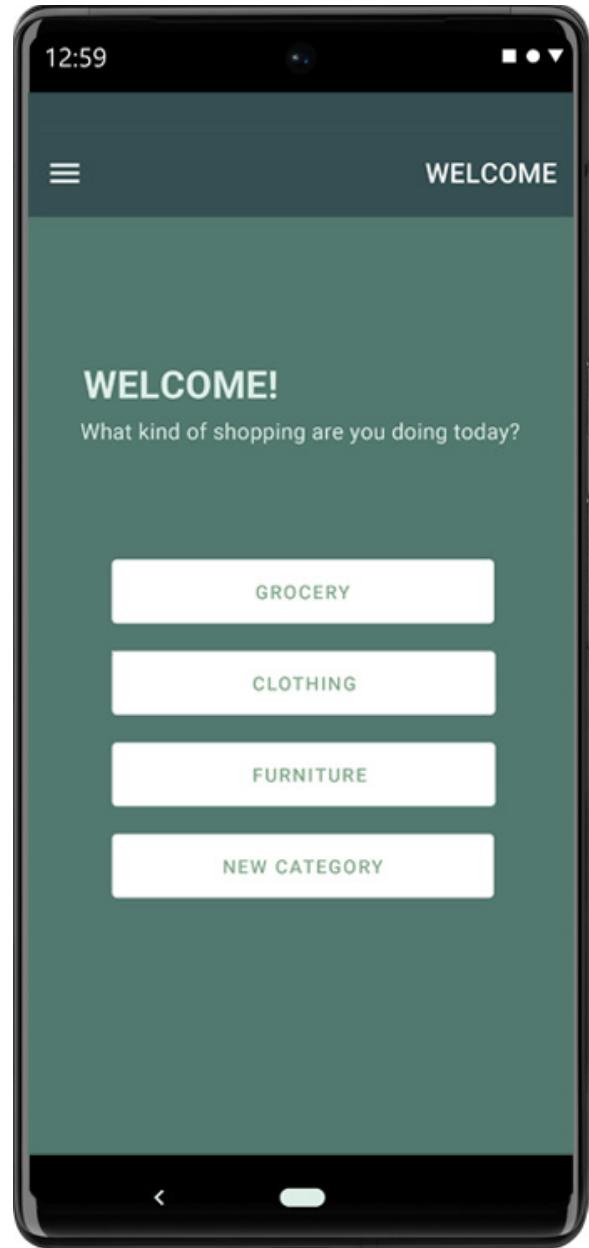
Maybe make everything stop floating.

Calculator Project: digital wireframe 5

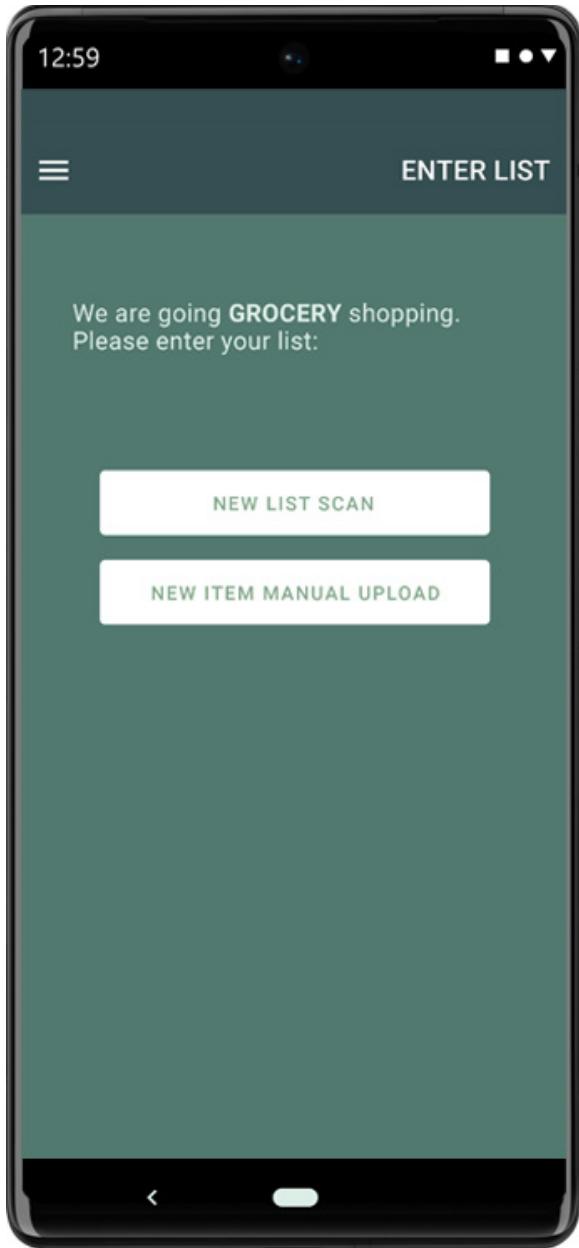


Jay continued

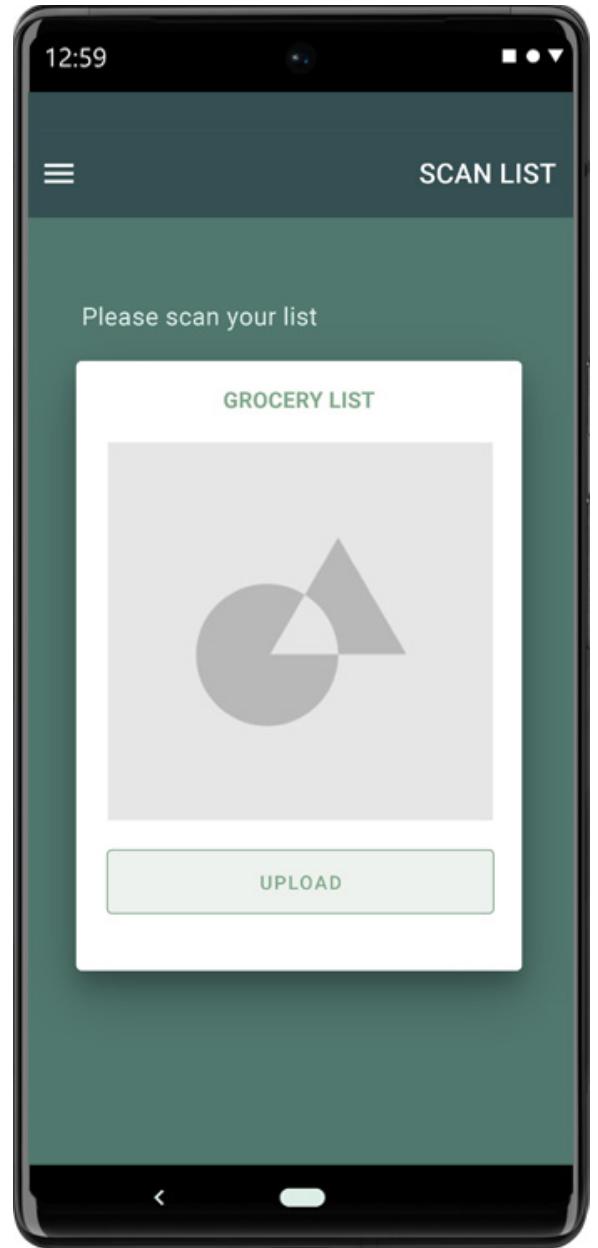
Calculator Project: digital wireframe 5



Welcome page

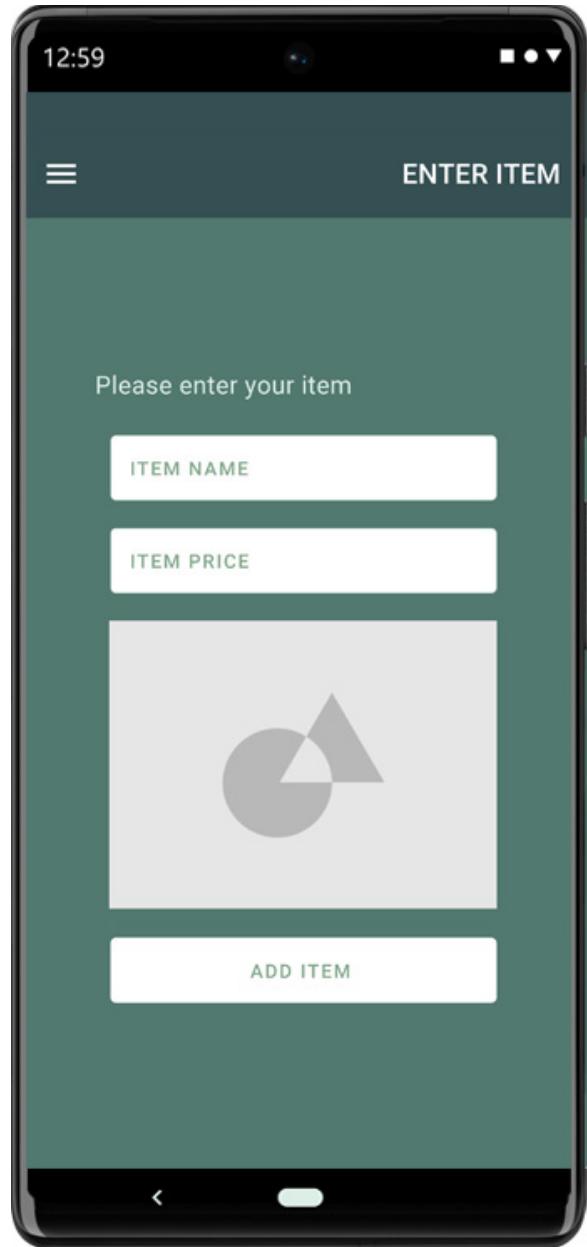


Enter list

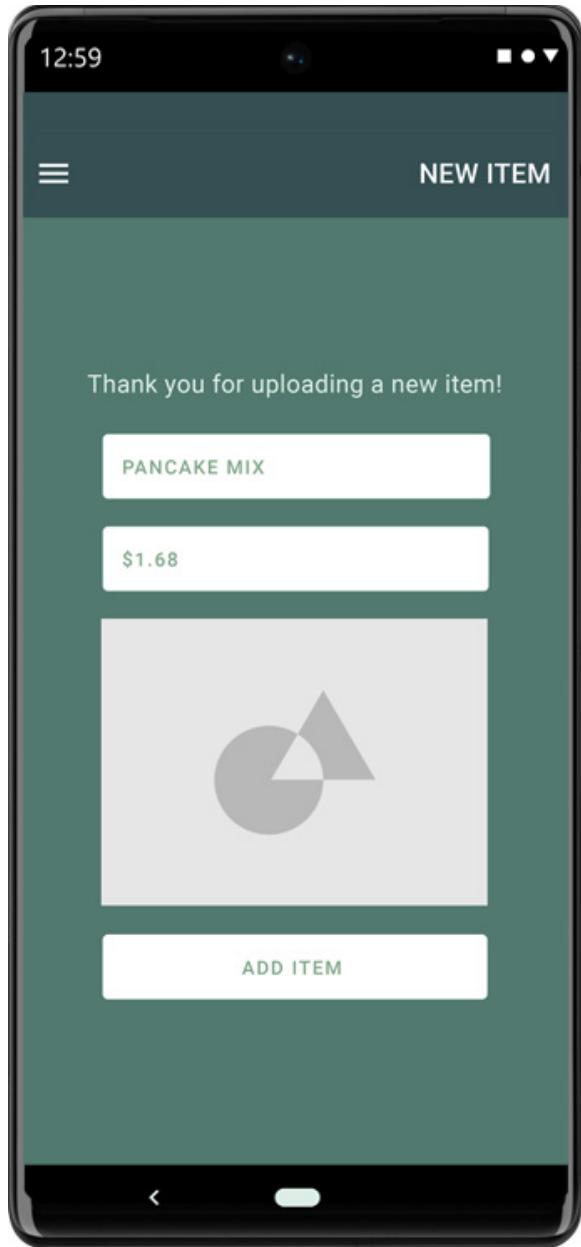


Scan list

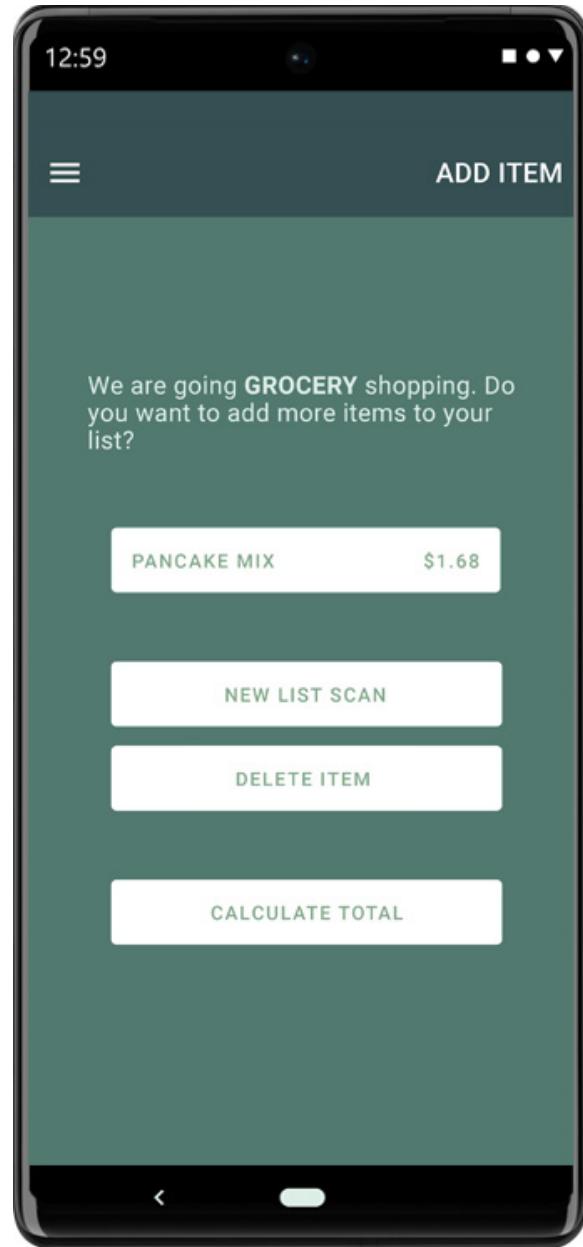
Chapter title: final application



Enter item

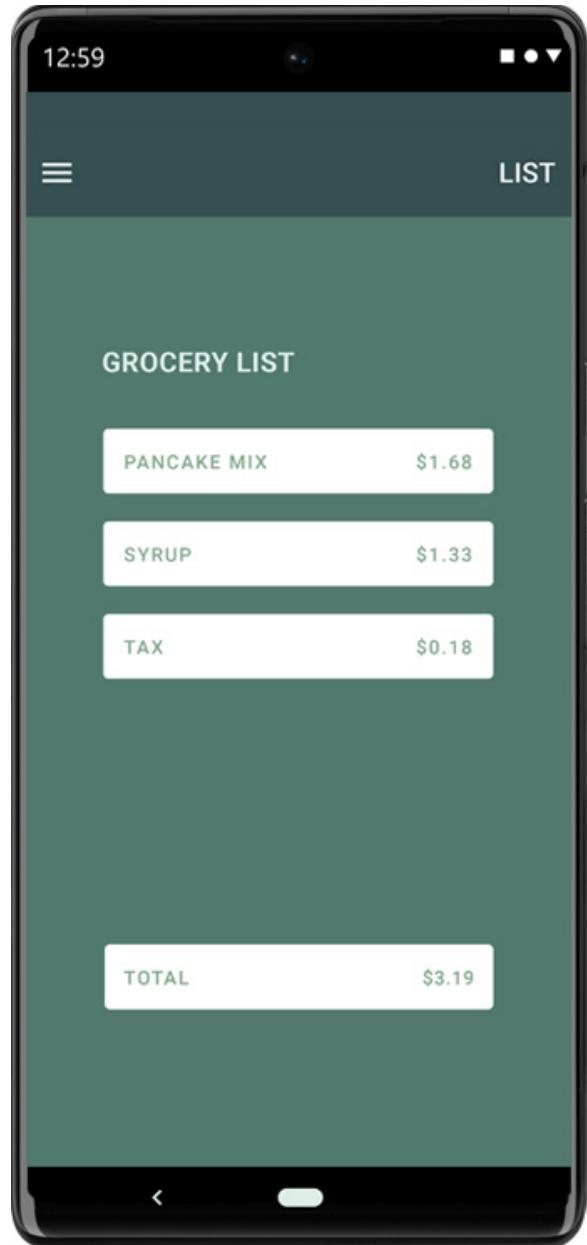


New item

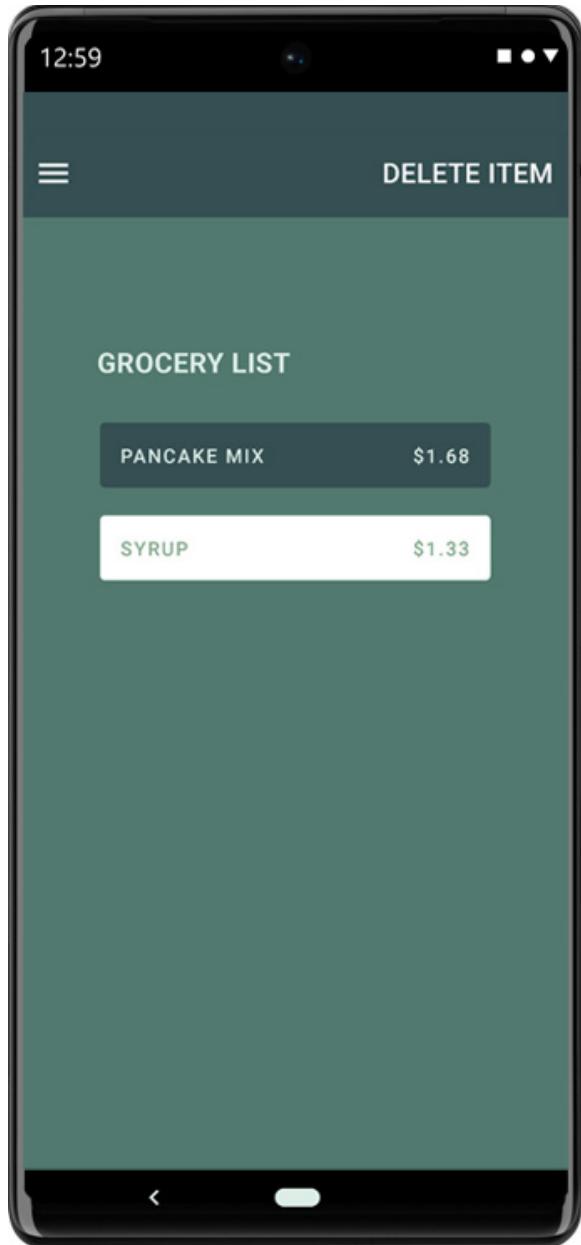


Add item

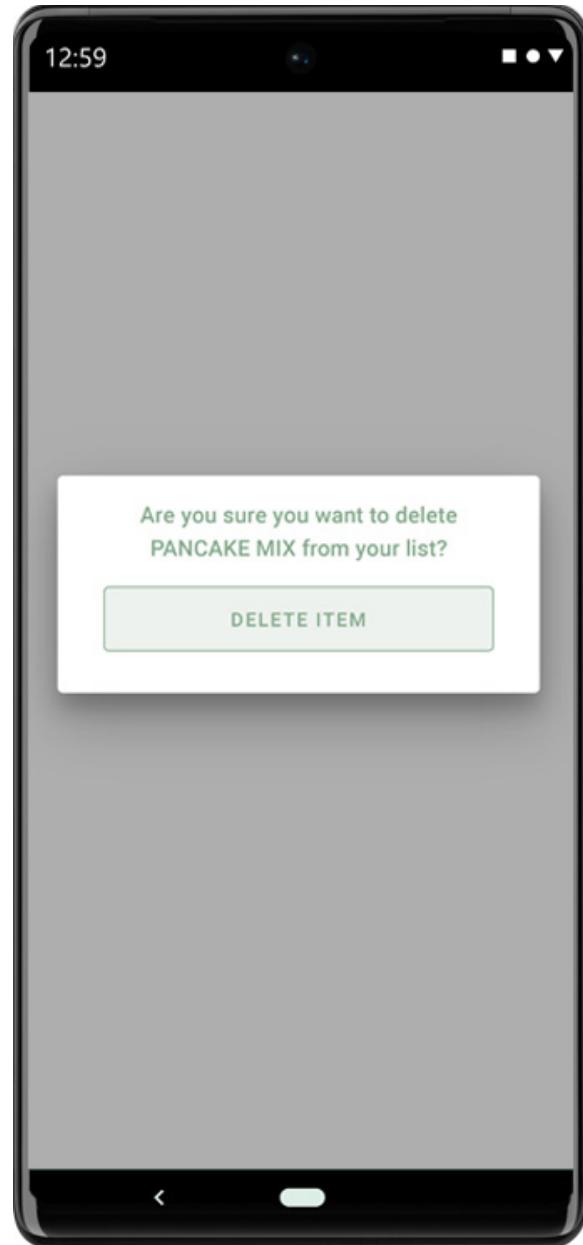
Chapter title: final application



List



Delete item



Delete item question

Chapter title: final application

Final presentation:

<https://youtu.be/dPdUi7vrkq8>

Final prototype:

<https://xd.adobe.com/view/7e8d9b7b-8201-4cf7-b5d2-aa889b5e0305-2bde/>

Please note that the prototype has a back button for your convenience. The final presentation does not have this back button because the actual phone would have the back button built in.

Chapter title: final presentation