# Lo-Fig Prototyping & Usability Testing



### Team Foodies



Needfinding Agency, Ownership, & Social Identity

(1)

Research & Values More personalizable and fostering inclusion

**Sketching** Solidified mobile design interface

**POV & Experience** Managing uncertainty to having a companion Concept Video Visualizing our companion and tasks

Lo-Fi Prototype Constructed & digitized the best mobile UI



Imagined three cooking-related tasks for testing Testing Results Captured insight from up to 5 new users Redesigning Implementing feedback

# Chershepnerd Guiding you to your goals in the kitchen







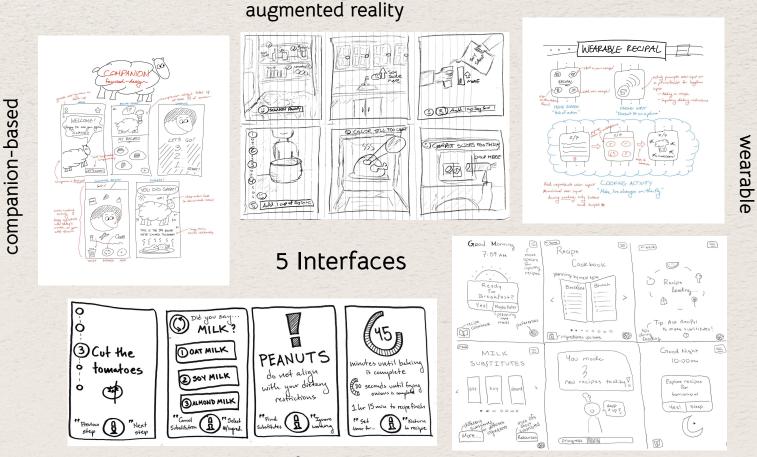


# Value Proposition Helping you cook recipes your way

# **Mission Statement**

Recipal aims to help users **overcome uncertainty** about the recipes they are making by helping them understand nutritional value, make modifications, and learn cooking techniques. By making cooking fun and informed, Recipal creates a more welcoming and approachable cooking environment.

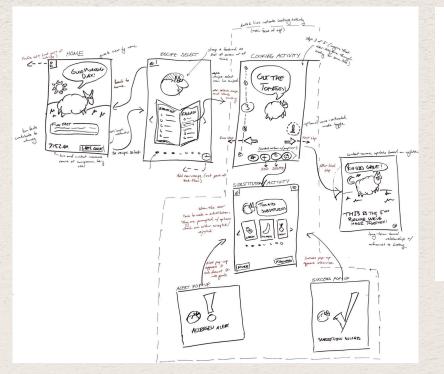


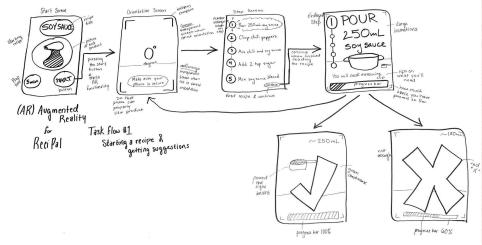


hands-free

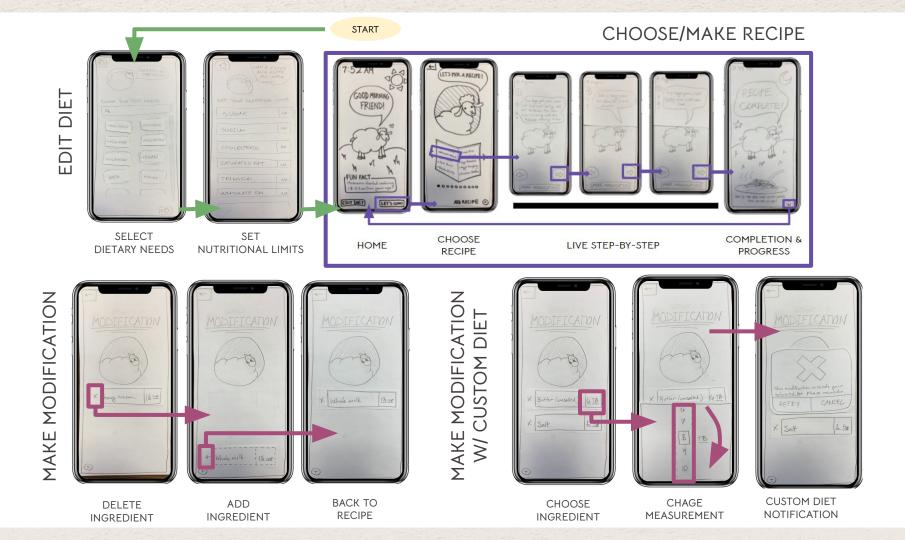
context-based

#### SELECTED INTERFACE Companion-based, AR





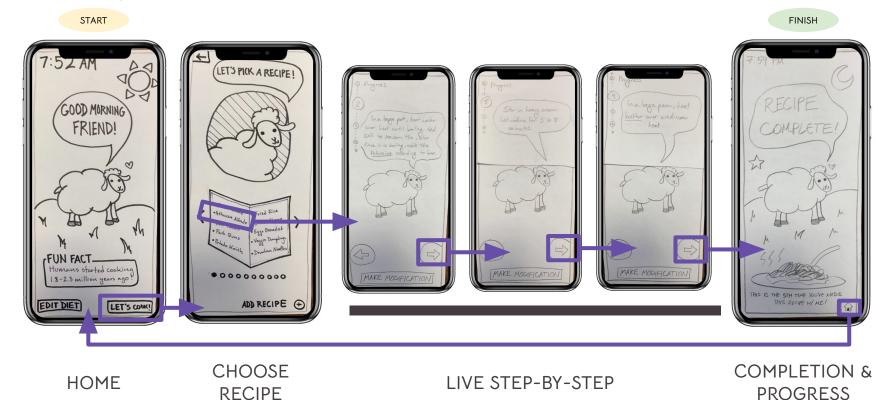






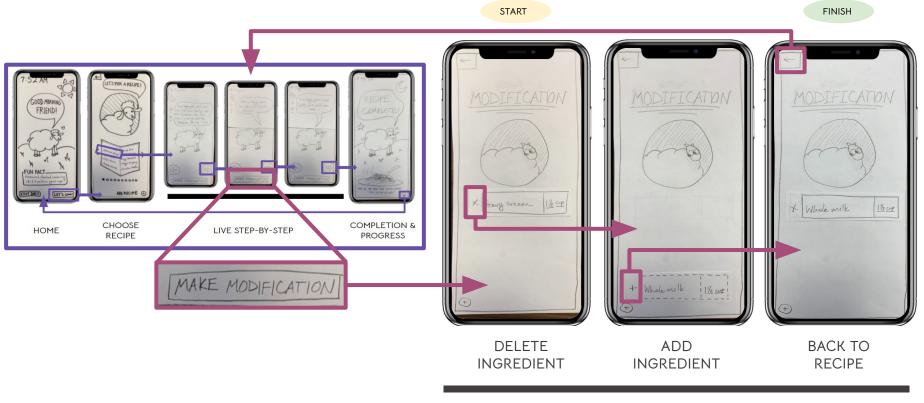
### Task #1

Select a specified recipe from the database and navigate through the steps to recipe completion (with no modifications)



### Task #2

Navigate through the steps of a recipe to completion, performing a basic modification



MAKE MODIFICATION

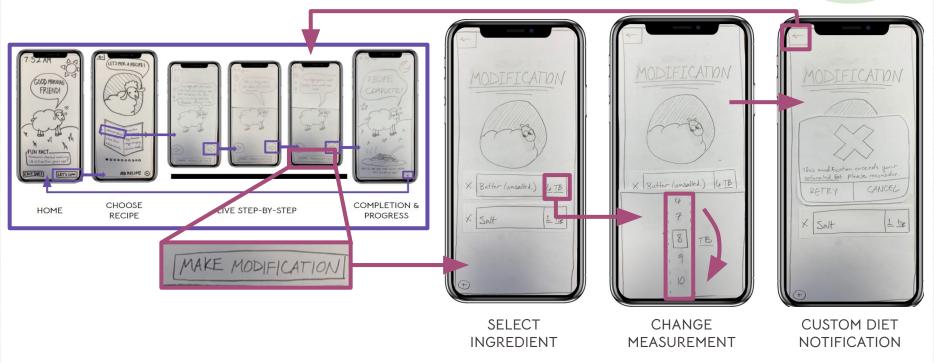
### Task #3 (pt. 1)

Input nutritional limits and navigate through the steps of a specified recipe, performing modifications that are accepted/rejected intelligently based on their dietary restrictions.

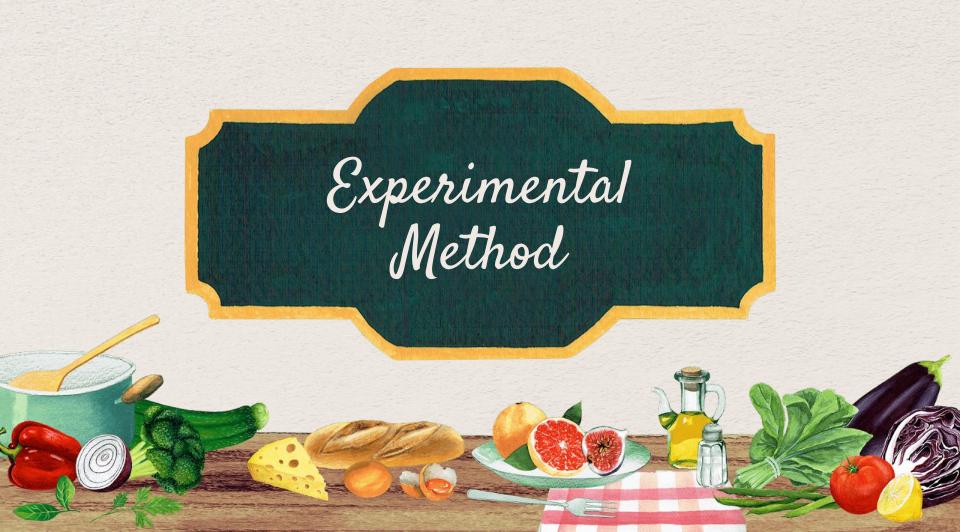


### Task #3 (pt. 2)

Input nutritional limits and navigate through the steps of a specified recipe, performing modifications that are accepted/rejected intelligently based on their dietary restrictions.



MAKE MODIFICATION W/ CUSTOM DIET



5 new testing participants



More female-identifying participants 🖗

Diversifying the age-range 

Learnability and flexibility

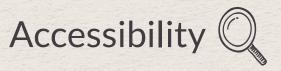
# **Testing Methodology**



## Measurement

We were all notetakers and facilitators at some point!

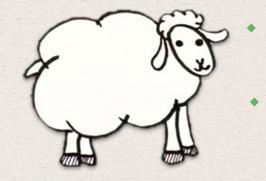




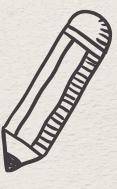
Companionship 👬



# Things That Worked



Enjoyed cooking w/sheep "Friendly," "fun," "cute," "positive," "motivational"



Generally, users were able to make modifications to the recipe successfully

# X Things That Didn't Work



#### Hierarchy of Scale

- Sheep too big, buttons too small
- Sheep too big, menu too small



Menu Needs organization

# X Things That Didn't Work

EVER VUE DIET NEEDS CORRY-FREE CUTTULFREE CUTTULFREE CUTULFREE CUTULFREE

#### Edit Limits Unclear

- Got lost on first page of Edit Diet
- Nutritional Limits
  - Options hidden on second page



#### Substitution Confusion

- Unsure if substitution went through
- Ingredient text didn't change
  - No msg/confirmation

## Things That Participants Wanted



Substitutions

Substitution effects

Substitute at beginning of recipe



Ingredients + Steps

Ingredient information Images of ingredients/ steps



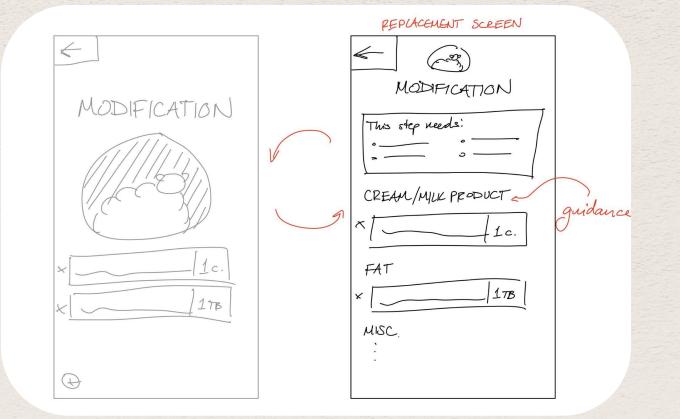
#### Additional Features

Notepad

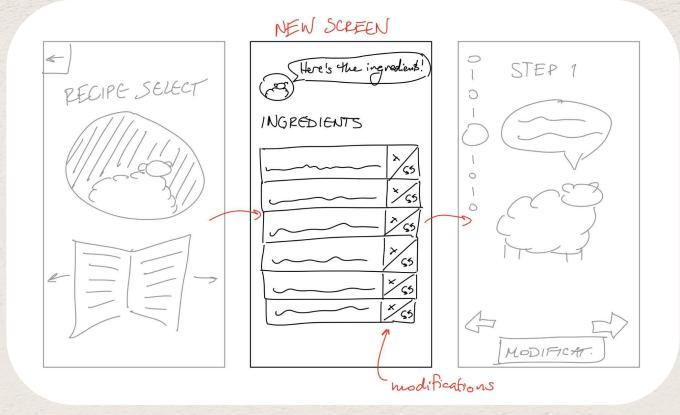
Estimated calorie counts for ingredients/recipe



### Improving Substitutions



### Adding an Ingredients Screen





### Key Takeaways We learn more from people!

"Fun & motivational!"

# Cooking Companions

People enjoy

and find it very entertaining People want more information about

#### Ingredients

And how to make substitutions and additions

"Easy to use"

Hierarchy Of Scale

People want more

### Confirmation

from the UI after doing certain tasks







