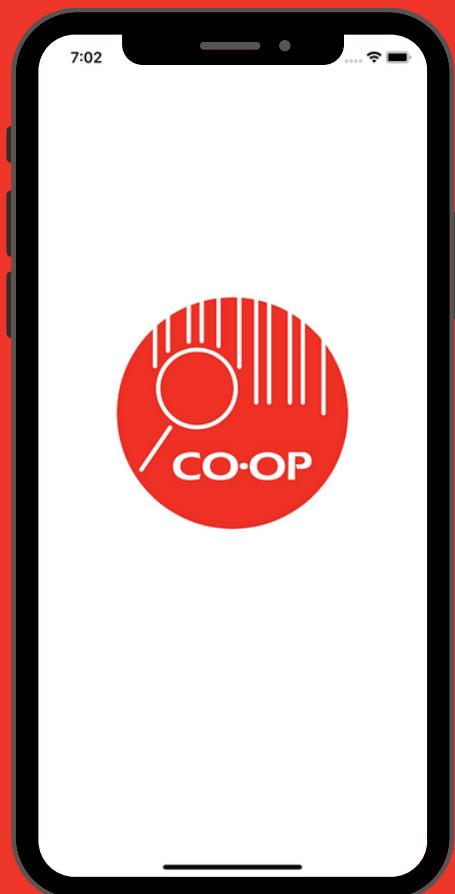


JANUARY 2021

# PROJECT OUTLINE

## CO-OP SCANNER



PREPARED BY  
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# INTRODUCTION

1-in-2 Canadian households are impacted by food allergies.  
Over 3 million Canadians, including almost 500,000 children need to  
be managed for food allergies on a daily basis.

Our main value proposition is "Stop reading the ingredient list, shop safely and efficiently with CO-OP Scanner".



## THE TARGET

1. CO-OP shoppers who are in a household of someone that has allergies
2. CO-OP shoppers who follow specific diets

# WHAT IS CO-OP SCANNER?

01

## SELECT ALLERGENS AND DIETS

There are two lists to select from. By choosing own allergens and diets once, it saves the data for each user.

02

## SCAN A BARCODE

When users find something to check the ingredients list, they can scan the product's barcode through the scanner on the app.

03

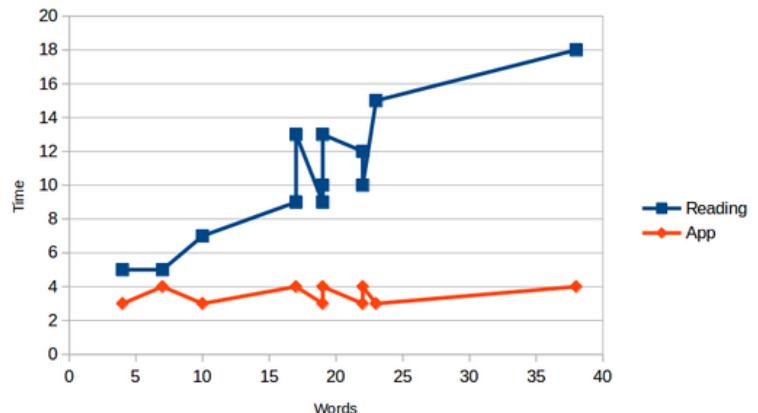
## GET A RESULT RIGHT AWAY

It will show the result if users may consume the scanned product or not. If the user may consume the product, it will show a link to some additional information as well.

# VALUE

1. Easy to check if the item can be consumed
2. Easy to get more informations on products
3. Support local brands and farmers

The time of reading grows proportionally to the length of the ingredient list, while using an app takes almost always the same time.



## WHAT DO YOU FIND IMPORTANT TO KNOW ABOUT IN PRODUCTS AT GROCERY STORES? (SURVEY)

1. Food allergens (51.5%)
2. Supporting local brands and farmers (51%)
3. Diets (30.3%)

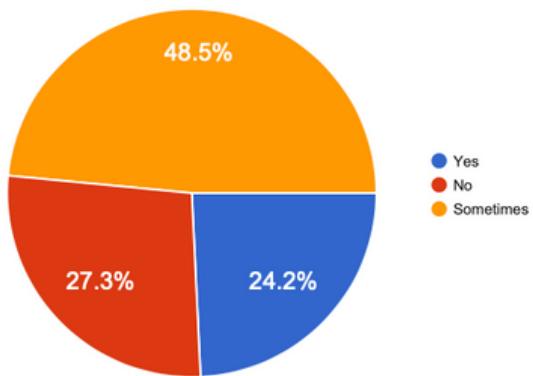
## WOULD YOU BE INTERESTED IN RECIPES OR ANY OTHER ADDITIONAL INFORMATION RELATED TO A PRODUCT (EX. WHO THE FARMER IS)? (SURVEY)



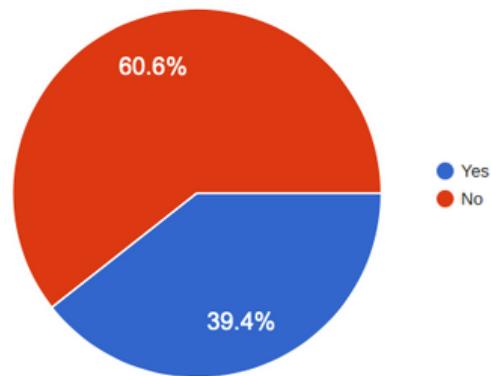


# WHAT PEOPLE SAY

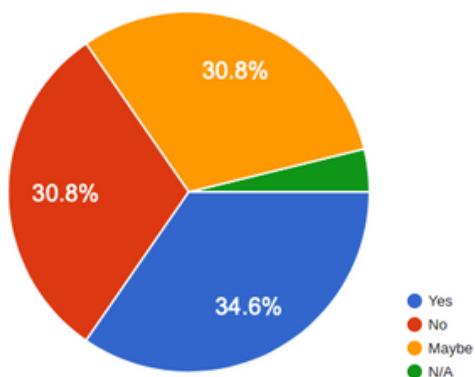
Do you check ingredient lists at grocery stores?



Do you have any food allergies?



Would you use this app?



"It would be really easy to make sure that you are getting products that are safe to consume with the specific allergy"

"This would make it easier to find new products within the dietary range and would be helpful for planning grocery lists to minimize time in store, especially with Covid."

"Makes it much easier to decide which products to buy instead of having to read the entire ingredients list"

"privacy concerns"

# PROJECT PATH

## WHAT IS NEEDED



### Access to the database

We are currently using own database from Firestore. For the future use of this app, we would need to integrate with its database and collect publicly available information on products.

### User Testing

It still needs to test security issues and usability testing to release on App Store.



### Release to Apple Store

After the steps, we will be able to release it to the Apple Store and possibly to other platforms. After that, we will work on continuous support of the system.

# PROJECT PATH

## NEXT SUGGESTED UPGRADES



### Suggesting substitute items

It could show the substitute items if the user may not consume the scanned item



### A pop-up tutorial for new users

It could show a pop-up tutorial when a user use it for the first time



### Connecting to CO-OP memberships

It could connect to CO-OP membership account to connect with other services



### More diets options

It could expand more options to show such as Sodium and Sugar percentages.

# HOW CO-OP SCANNER WORKS



CASE 0 : How to set up the user's informations

CASE 1 : The scanned item has no user's allergens

CASE 2 : The scanned item has no user's allergens and matched the preferred diets

CASE 3 : The scanned item has no user's allergens and there is a link with additional information

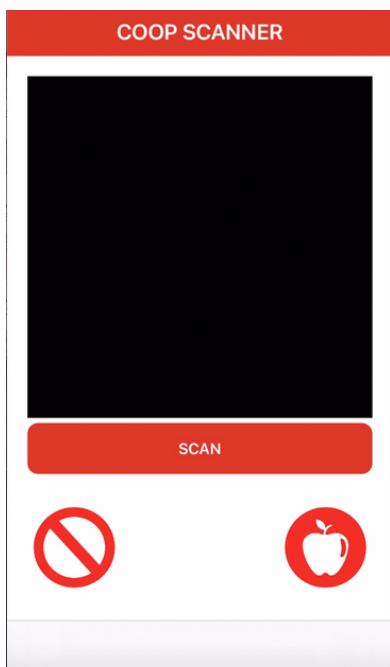
CASE 4 : The scanned item contains at least one of the user's allergens

CASE 5 : The scanned item may contain at least one of the user's allergens

CASE 6 : The scanned item cannot be found in the database

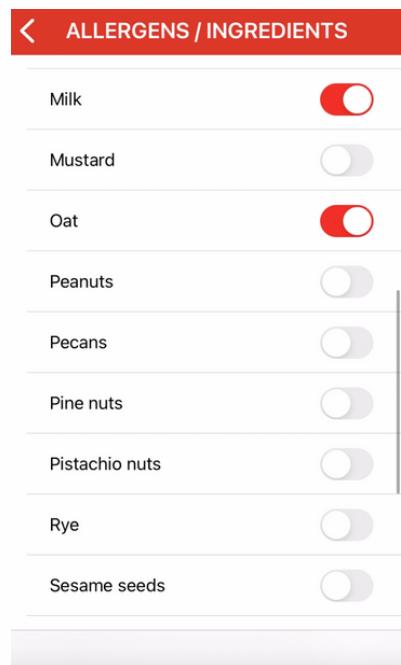
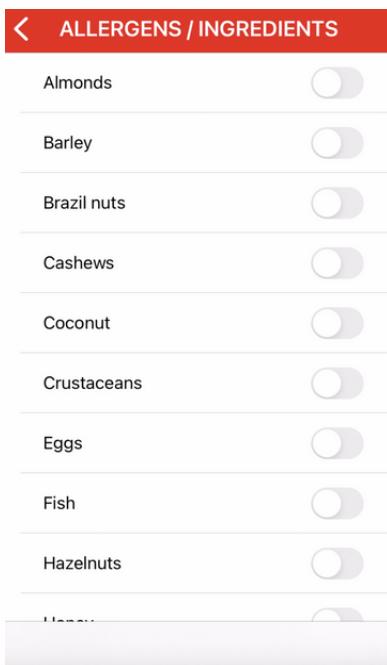
# CASE 0

## HOW TO SET UP THE USER'S INFO

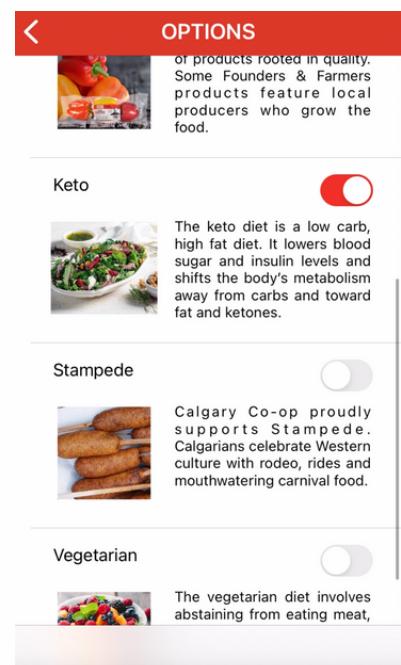
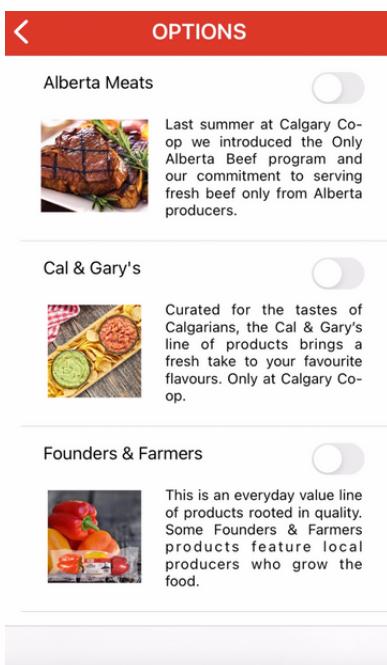


This is the main page which users can scan a barcode.

When users tap the left bottom button, it will go to the allergens / ingredients menu. By clicking the switches next to the lists, it will save the data of what needs to be avoided.



When users tap the right bottom button, it will go to the options menu. By clicking the switches next to the lists, it will save the data of what the users prefer such as Keto, or Cal & Gary brand.



# CASE 1

## THE SCANNED ITEM HAS NO USER'S ALLERGENS

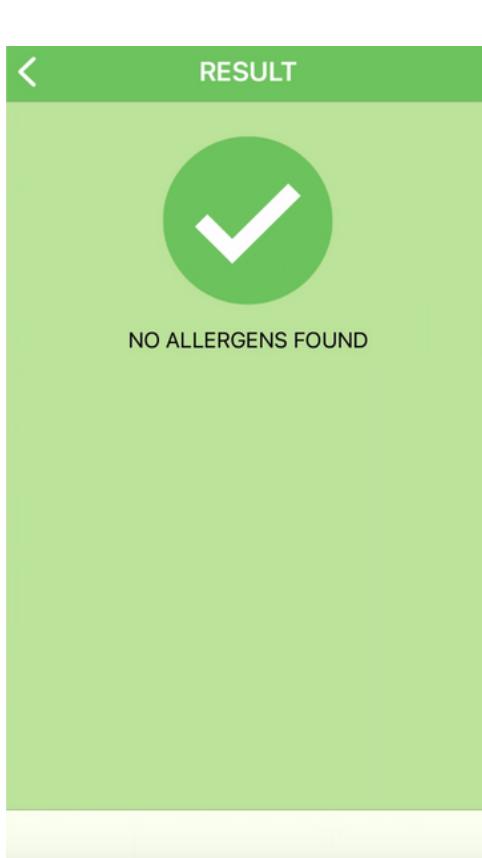
COOP SCANNER



SCAN



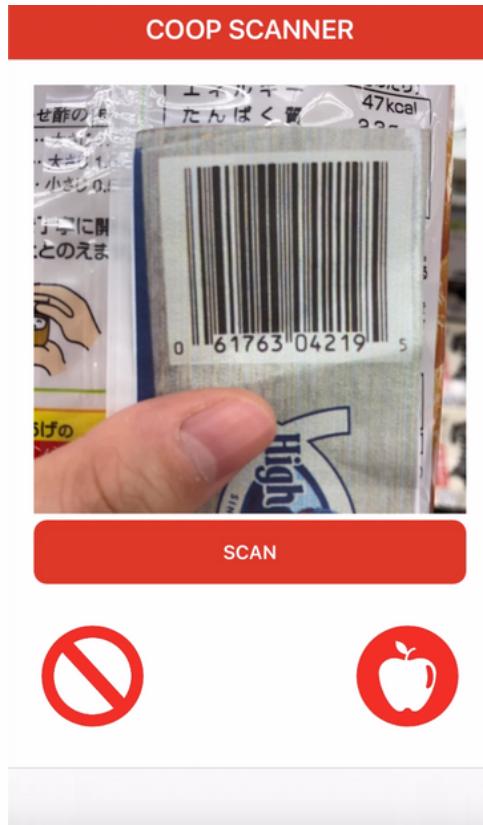
1. A user scans an item at store.



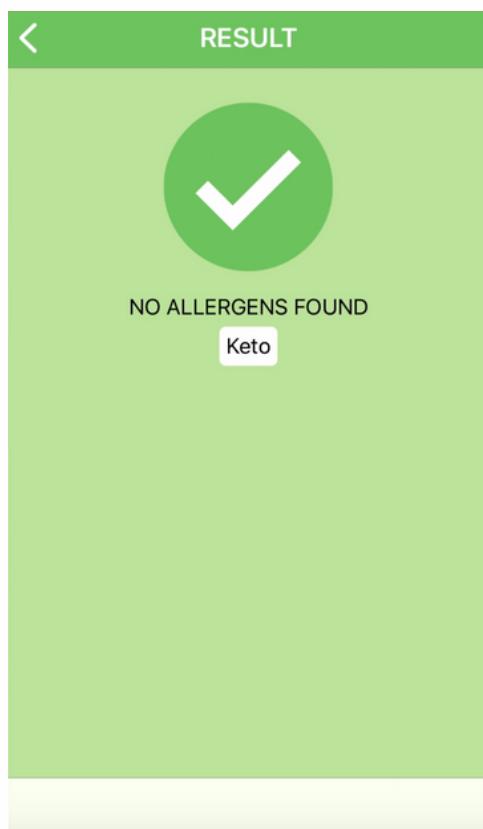
2. It will automatically go to a page of result. For this case, it will show a green page with a check mark for finding no allergens.

# CASE 2

THE SCANNED ITEM HAS  
NO USER'S ALLERGENS AND MATCHED THE PREFERRED DIETS



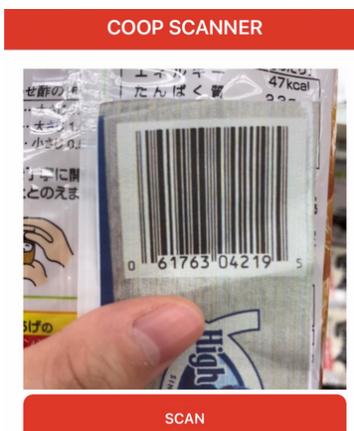
1. A user scans an item at store.



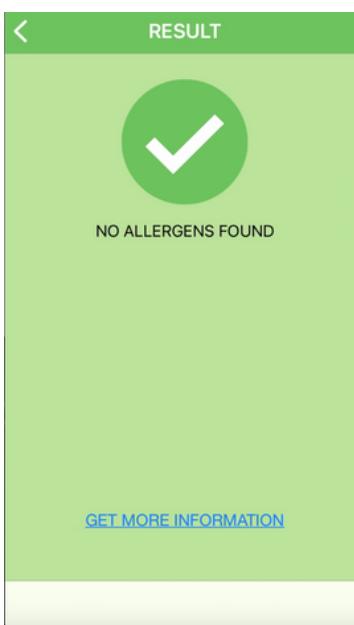
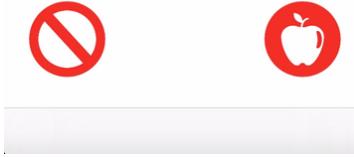
2. It will automatically go to a page of result. For this case, it will show a green page with a check mark and a label of Keto for finding no allergens and the product is Keto-friendly.

# CASE 3

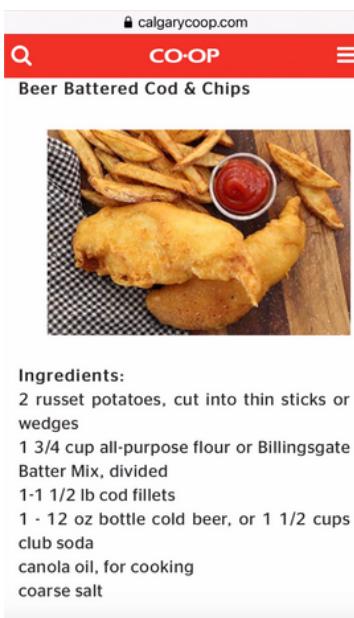
## THE SCANNED ITEM HAS NO USER'S ALLERGENS AND THERE IS A LINK WITH ADDITIONAL INFORMATION



1. A user scans an item at store.



2. It will automatically go to a page of result. For this case, it will show a green page with a check mark for finding no allergens and there is a link for additional information.



3. When user click the GET MORE INFORMATION, it will go to a page for additional information, such as recipes or producers' information.

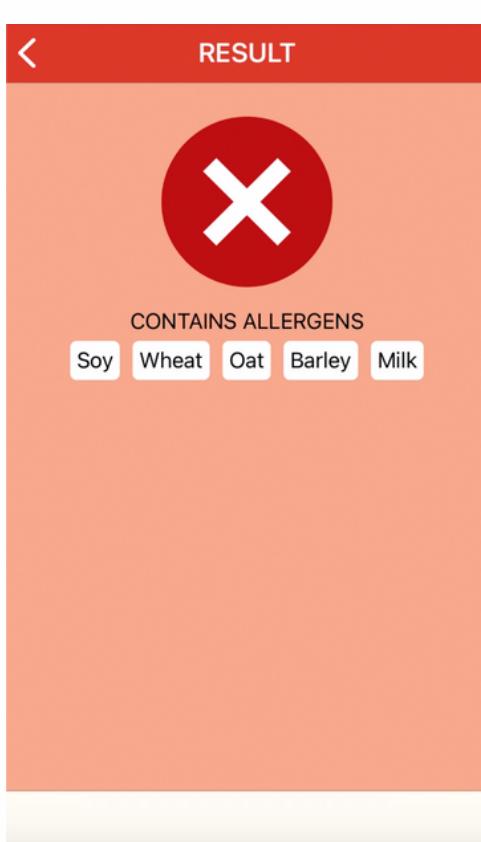
# CASE 4

## THE SCANNED ITEM CONTAINS AT LEAST ONE OF THE USER'S ALLERGENS

COOP SCANNER



1. A user scans an item at store.



2. It will automatically go to a page of result. For this case, it will show a red page with a cross mark and labels of the selected allergens that are contained.

# CASE 4

THE SCANNED ITEM MAY CONTAIN AT LEAST ONE OF THE USER'S ALLERGENS

COOP SCANNER



1. A user scans an item at store.



2. It will automatically go to a page of result. For this case, it will show a yellow page with an exclamation mark and labels of the selected allergens that may be contained.

# MEET OUR TEAM



**KAREN KURIBAYASHI**

Last year of Computer Science undergraduate program (Human Computer Interaction concentration) with a minor of Management & Society



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Last year of Computer Science undergraduate program (Software Engineering concentration)