

Milestone 2

Group 7

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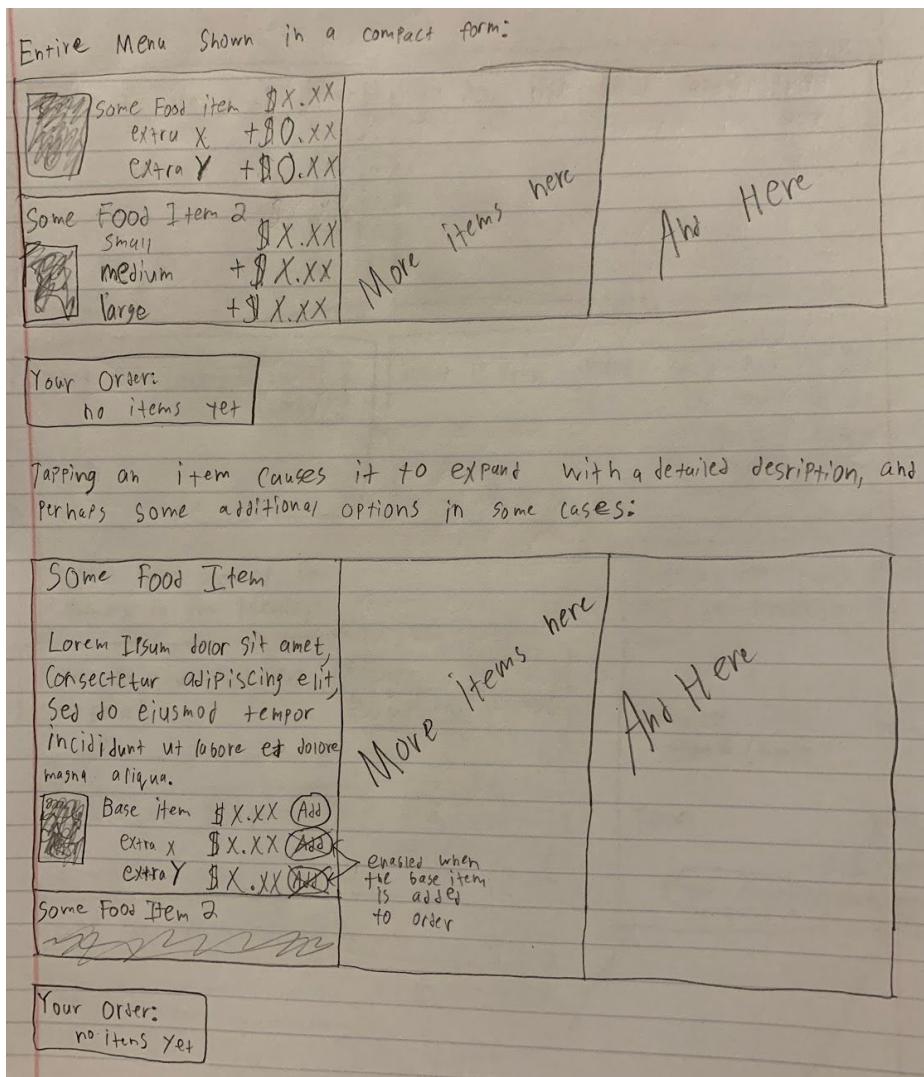
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Part (a)

Idea 1

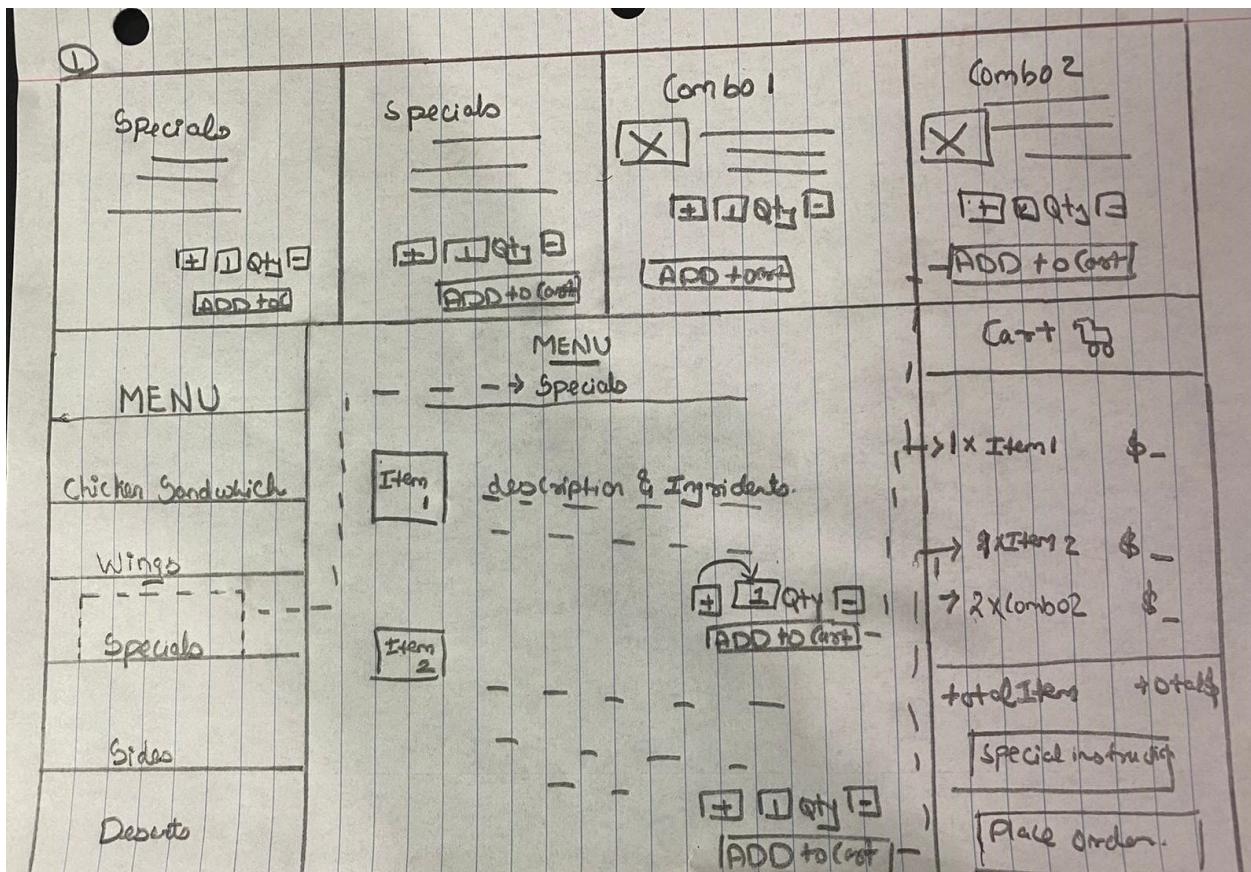


We like that this interface presents the options available to the user in a dense, compact form. Only the most important information is shown to the user at first, but if they are interested in an item, they can click on it to read a more detailed description.

Additionally, since showing a description simply moves surrounding items within the containing column, it comes across as a low-cost, lightweight action. This encourages exploration because the user does not have to get their bearings in a new visual context, unlike, for example, if the description were displayed in a new window. Lastly, because the entire menu is displayed in such a compact form, it lends itself well to

visual learners; they could easily build a mental image of where the items that are important to them are.

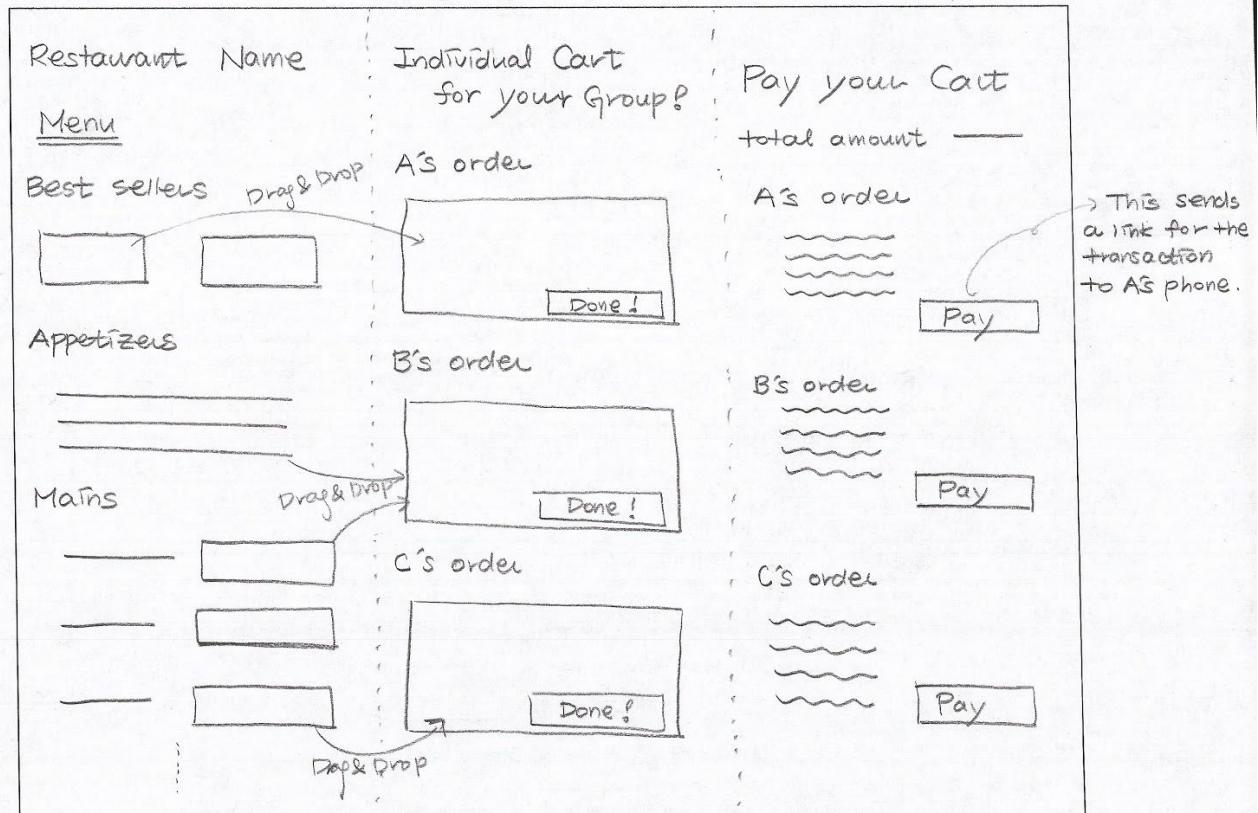
Idea 2



We have selected the above interface by keeping in mind the visibility principle, feedback principle, and the functional requirement. We like this interface because when the user clicks on the menu-tab from the home screen he will be sent to the menu page, which has all functions mapped in the proper layout as per its user requirement. The interface has the restaurant's specialties and restaurant's combos on the top of the page with the image and description of that particular dish that makes the user rewarding. The bottom of the page is divided into three parts: type of food, food items of the currently-selected type, and cart. The food is categorized as per its types, so users can select specific types of food its respective menu will generate. The menu part shows all the dishes with image and description and functionality to choose quantity and add to cart option. Clicking on the add to cart option will add an item to the cart with its quantity and generate the total. From the cart, the user can remove the item if they added any dish by mistake. The interface is good in terms of overcoming the errors. The interface also provides a special instruction text box where the user can mention its allergy, taste, etc. All in all, the interface has combined three parts into one so the user

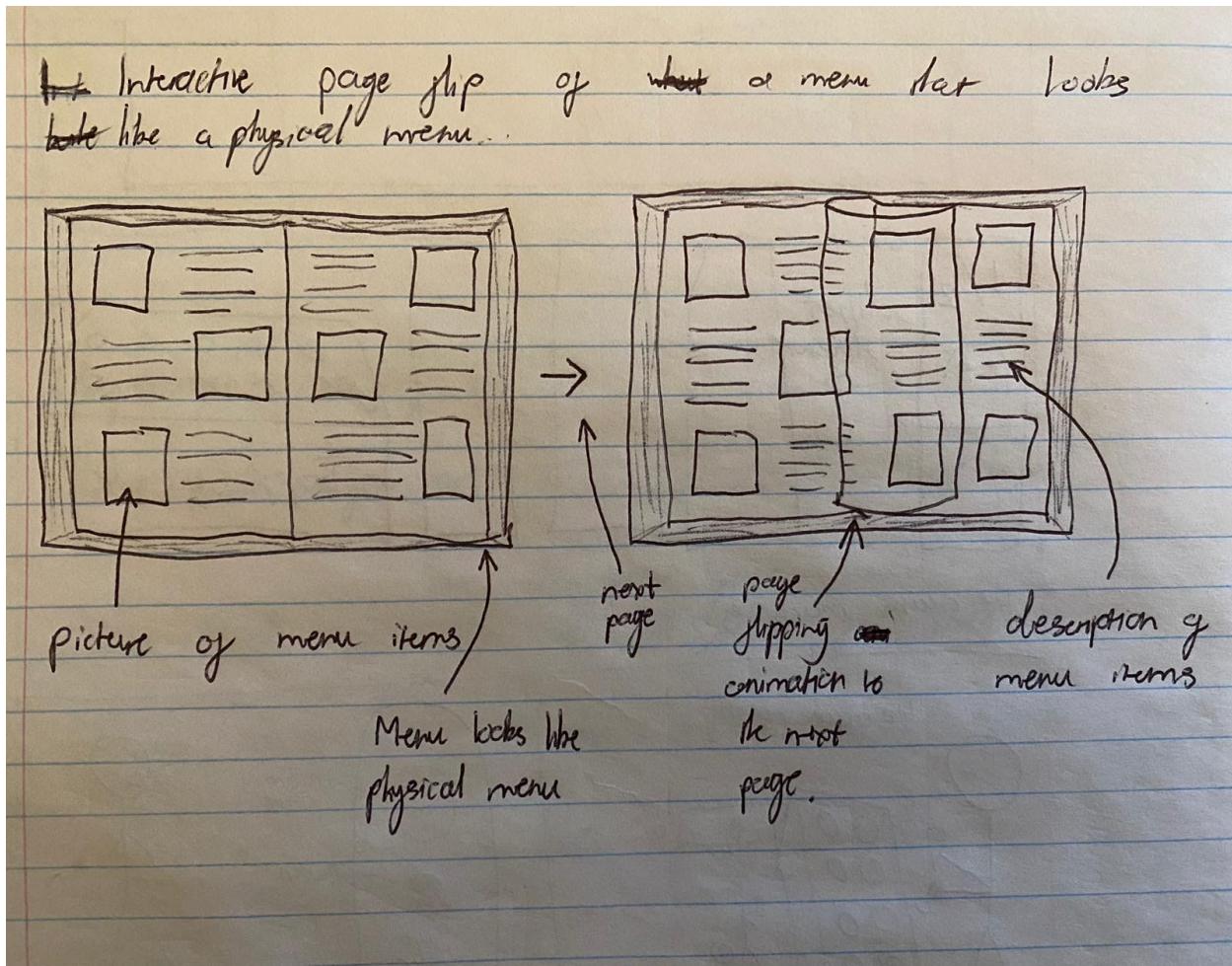
can see what he is doing while ordering food if any error made while ordering food users can solve their errors.

Idea 3



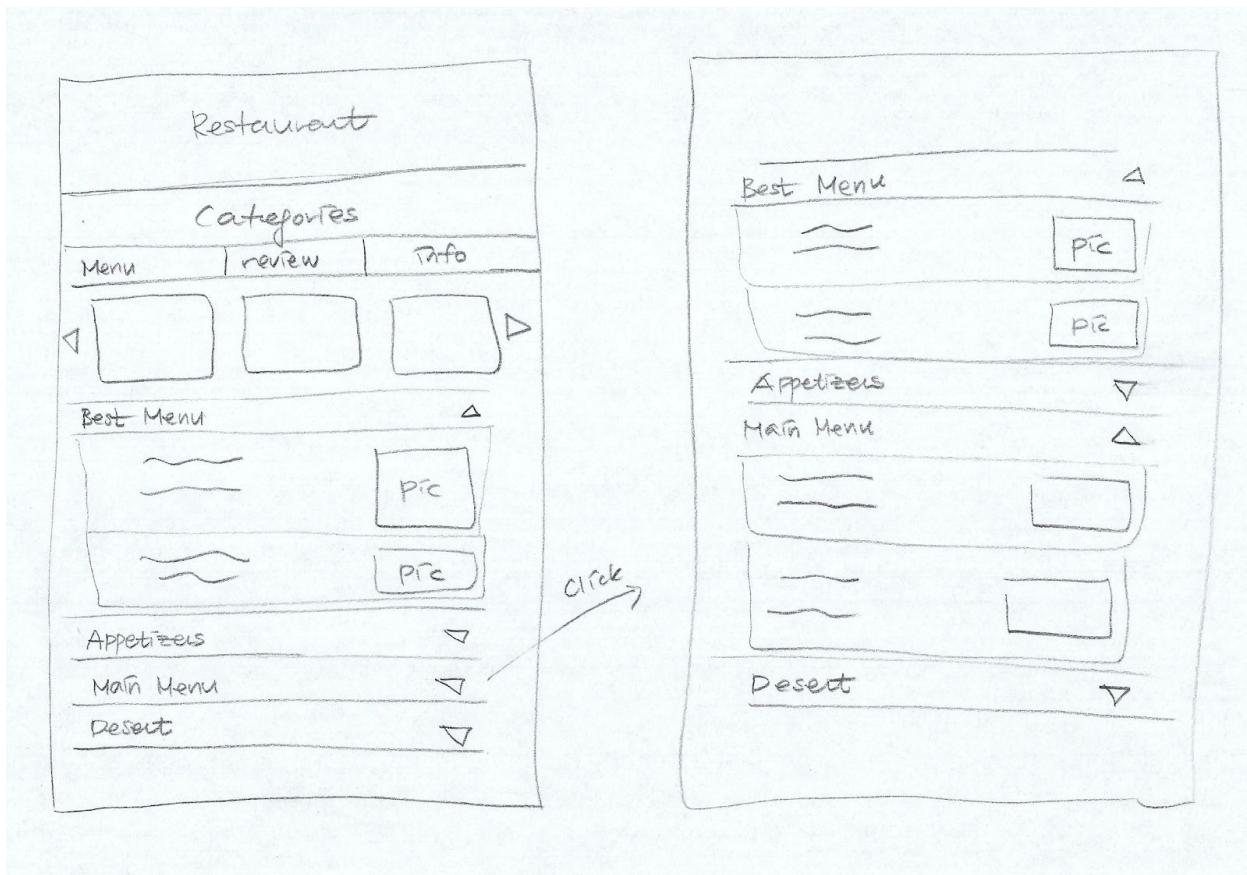
We picked this interface because it has a new useful feature in it. The new feature is splitting the order by people in your group, paying individually for one big order. A person can pick the items which they like to order in their individual cart with drag & drop. This gives intuition to the customers and they can put the item easily without learning them. Once they finish configuring their order, they will press the "Done!" button to proceed to pay individually. There will be a "Pay" button in each of the individual carts. When the user presses the "Pay" button, it will send the link to their mobile phone or their personal device and then finish paying their own portion. Once each member of the group paid their portion, the entire order will be confirmed.

Idea 4



We liked this idea because it was an interesting way to navigate the menu. The page flipping animation gave us a feeling of an immersive experience with flipping through pages as if we are in an actual restaurant. On a mobile app, it would be touch screen so the flipping will be done by the finger or stylus and on a computer, it would be done by clicking on the page and dragging across with the page flipping action.

Idea 5



We took this idea as one of our best 5 because the users can focus on the specific category when they are navigating between the menus. There are little arrows at the right of the categories (Best Menu, Appetizers, Main menu....) and it will open the list of the clicked category. The default page setting for this interface is showing the Best Menu opened showing the best sellers and if the user wants to navigate to the appetizers, they can click the little arrow to open the list of the appetizers. This could help users to use less scrolling so they will have a more organized ordering experience.

Part (b)

+ to increment quantity by one

- to decrement quantity by one

Separate tabs(buttons) which takes you to the specific page. Currently the menu option is chosen

Search-to search menu item

Live chat option for any troubleshooting

Navigating back button to go to previous order

Categories block help to select special meal and click on it generate respected menu

Objects marks with X sign are image to states more about that function

Add to cart – makes user to finalizes their decision on food dish and on which is adding

Rate the food dish to help future user to make their decisions

Place an order- when all item is finalize and proceed to payment

Need help? ?

Navigation front button to go to more deals

Add another cart to split bill

Sort to arrange in specific order item

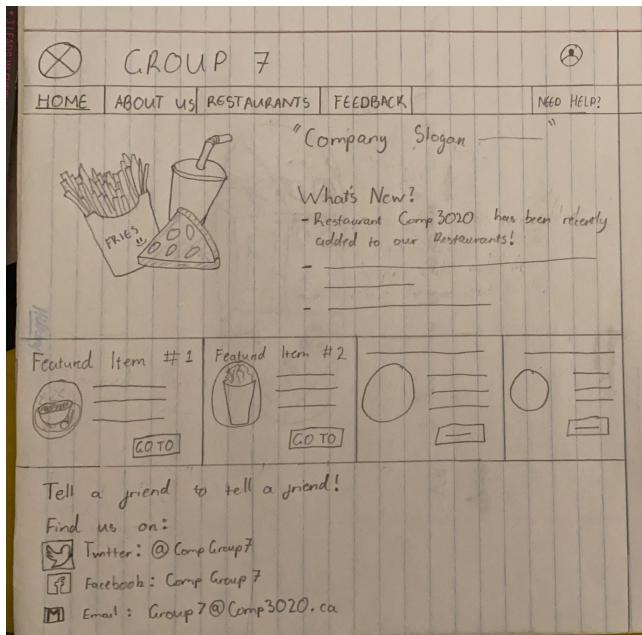
Remove- to remove item from cart

At the heart of our idea lies a single-page menu. On the left of the screen, the user can browse through all the categories that the restaurant has to offer. After selecting a category, the middle section shows the user all available items in that category. The user can then sort by various attributes, such as the popularity (how often the item is ordered), the number of likes, or how recently the item was published on the store. Each item displays its number of likes and allows the user to rate it: they can click on the heart button to indicate that they like the item, or the thumbs down button to indicate that they dislike the item. If there are a lot of items in a category, the user can narrow them down to just the ones they are interested in using the search box. Additionally, a select few items are displayed at the top of the screen in a horizontally-scrolling list.

Among these might be specials selected by the restaurant, combos, and recently-ordered items by the currently logged-in user. To add an item to their cart, the user can simply specify a quantity, then click “Add to Cart.” This prompts the user to select which cart they want to add it to, which brings us to the chief innovation of our design: multiple carts.

On the right side of the screen, the user’s entire order is displayed. The user can add additional carts, so that a group of people can order together, but pay separately. This improves the utility of our system because the user can accomplish their goal directly in the interface, rather than employing a workaround, like paying for their entire order and then getting their group to pay them back. Additionally, for each cart, the user can select an amount to tip: either nothing, 10% of the total, or an arbitrary amount. They may also add special instructions for their part of the order. When the user is finished, they will click “Place Order”, which brings them to the payment screen. At that point, they will be able to enter their credit card information. For each cart, the user can choose to pay for it themselves or enter an email address to send the bill to. Each bill recipient will click on a link in the email which will allow them to enter their payment details. After each cart is paid for, a confirmation email will be sent to each bill recipient and the order will be filled.

Part (c)



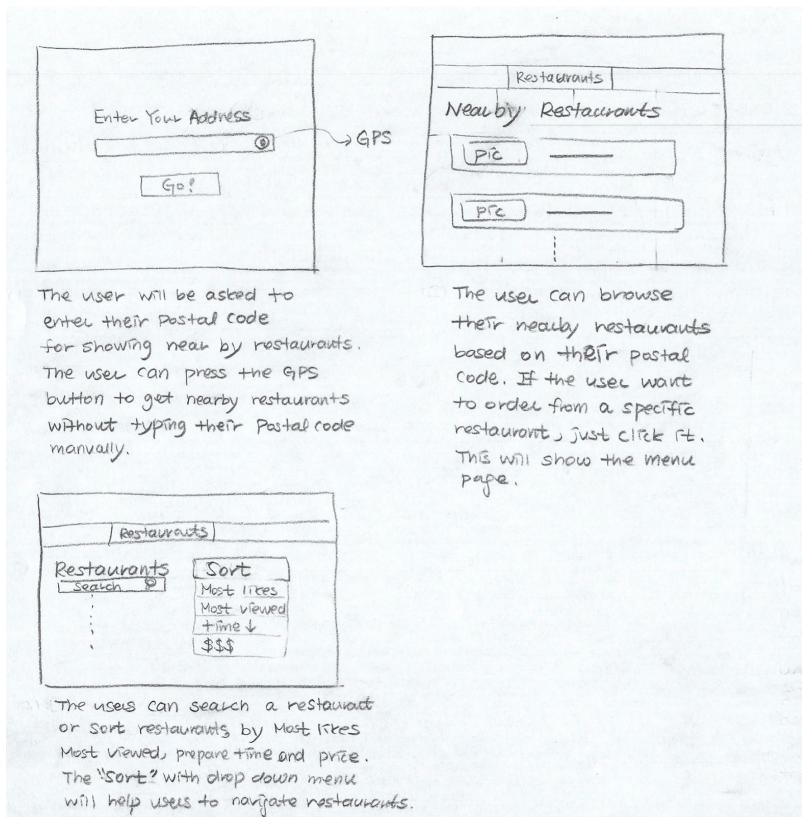
The user starts out at the home page, which contains news about the site, newly added restaurants, featured items, and links to social media. Also notice the navigation bar at the top, which is present at all times on the site.

About	Feedback
<u>History</u> COMP 3020 restaurant was founded in 2020 by five Computer Scientists.	
<u>Delivery policy</u> If your food is cold when it arrives, it's free!	
<u>Privacy policy</u> We do not share your information with any 3rd parties, etc. etc.	
<u>Location</u> The selected location is at 123 University Crescent, Winnipeg, Manitoba, Canada. 	

Clicking on the “Feedback” section will allow the user to provide feedback to the selected restaurant about orders made on the site.

About	Feedback
On a scale from 0 to 10, where 0 is extremely negative and 10 is extremely positive, how was your experience with the following?	
ABC	<input type="radio"/> 0 <input type="radio"/> 5 <input checked="" type="radio"/> 10 <input type="radio"/> N/A
XYZ	<input type="radio"/> 0 <input checked="" type="radio"/> 5 <input type="radio"/> 10 <input type="radio"/> N/A
Would you order food from COMP 3020 Restaurant again?	
No	<input type="radio"/>
Yes	<input checked="" type="radio"/>
Please leave any additional thoughts below:	
<div style="border: 1px solid black; padding: 5px;">The delivery guy refused to give us our food because our living room "violates every single Gestalt Principle".</div>	
<input type="button" value="Submit"/>	

Clicking on the “About” section reveals important information about the selected restaurant.



GROUP 7

Home		About Us	Menu	Feedback	Need help ?
Post order	Special Today	Special 2	Combo1	Combo2	
<input type="checkbox"/> ADD to Cart	<input checked="" type="checkbox"/> ADD to Cart	<input type="checkbox"/> ADD to Cart	<input type="checkbox"/> ADD to Cart	<input type="checkbox"/> ADD to Cart	
Categories	Menu Search ↴	Cart			
Sandwhich	Wings <input checked="" type="checkbox"/> Item 1 <input type="checkbox"/> ADD to Cart	Empty			
Wings	Item 2 <input type="checkbox"/> ADD to Cart				

Home		About us	Menu	Feedback	Need help ?
Post order	Special	Special 2	Combo1	Combo2	
<input type="checkbox"/> ADD to Cart	<input checked="" type="checkbox"/> ADD to Cart	<input type="checkbox"/> ADD to Cart	<input type="checkbox"/> ADD to Cart	<input type="checkbox"/> ADD to Cart	
Categories	Menu Search ↴	Cart			
Sandwhich	Wings <input checked="" type="checkbox"/> Item 1 <input type="checkbox"/> ADD to Cart	Empty			
Wings	Item 2 <input type="checkbox"/> ADD to Cart				
			1 X Item 1 X \$ <input type="checkbox"/> Remove 2 X <input type="checkbox"/> Remove Total: \$ <input type="checkbox"/> Tip: 10% T.P. 5% T.P. Special instruction Place Order		

After selecting a restaurant, the "Menu" screen is shown, and its navigation item replaces "Restaurants" in the navigation bar at the top of the screen. Users can find items and add them to their cart.

After adding items to their cart, they show up on the right of the screen. Items can be removed, and when ordering for multiple people, the primary user can add multiple carts.

The user can see all items in the order for each cart and total amount. The transaction supports MasterCard / Visa and the user is required to put their Card holder name, card number and security code. There will be a check box for saving a credit card information for future use.

Checkout

Cart 1.

Qty	Name	\$
1	Item1	10
3	Item2	22
2	Item3	31

Payment Method

VISA/MASTER CARD
 Individual transaction

Email
OR
Phone #

TIPS

Manual <input type="text"/> \$	10% <input type="text"/>	No tip <input type="text"/>
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Complete Order?

The user will receive this individual transaction link to their device. The user can choose payment method to pay. Once it is done, in the checkout, it will show the "payment complete" mark for the cart. Entire order will be confirmed when all carts have been paid in full.

Individual Payment

Cart 3.

2	\$23
1	\$13.50
:	:
:	:

Your total is — .

Payment method

VISA / MASTERCARD

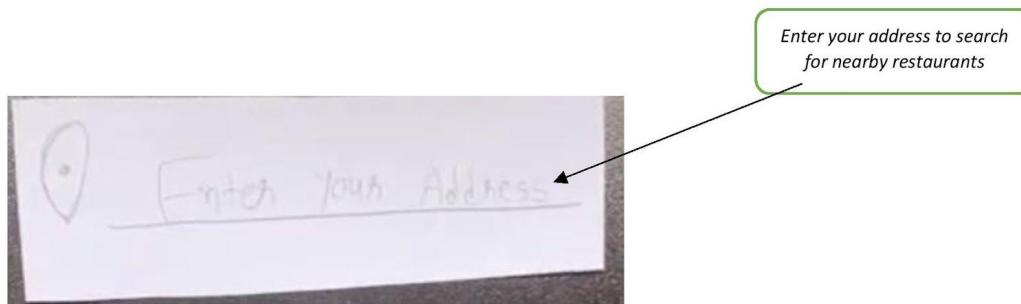
VISA / MASTERCARD

Card # V H
Account Holder
CVC?
What's CVC?
Expdate DD MM YYYY
Pay

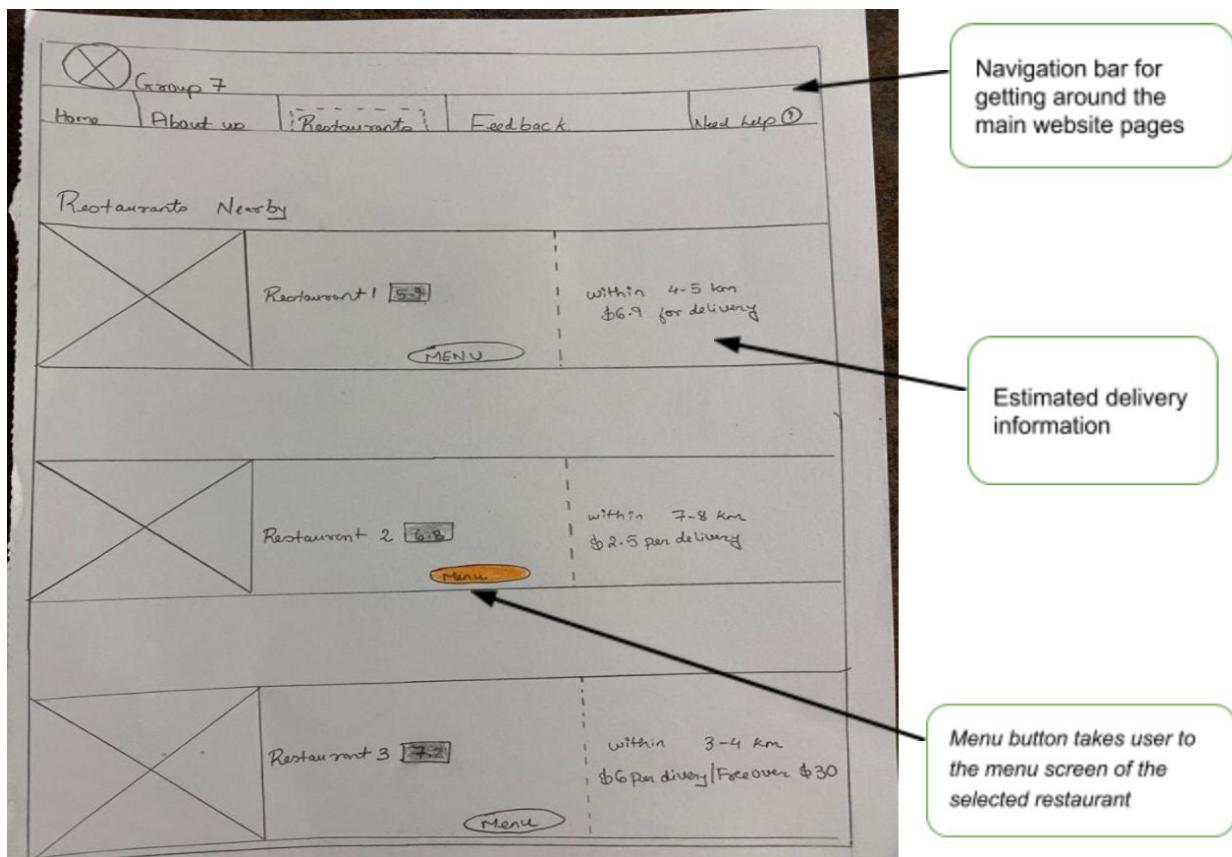
The user will input the information and press "pay" to complete paying for the cart.

Part (d)

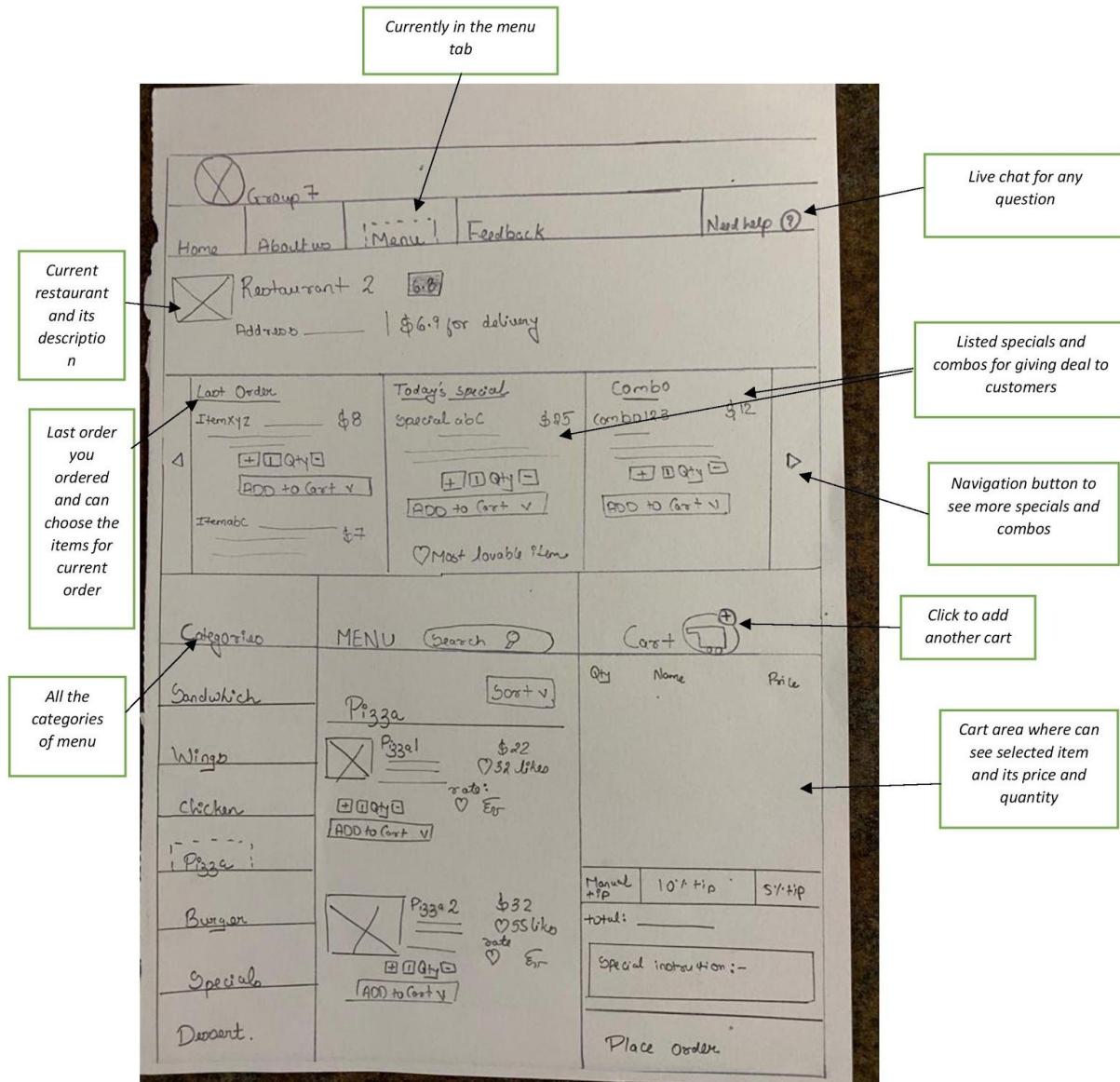
Overview



The first screen of our design asks the user for their address.



The “Restaurants” screen shows a list of options near the user.



The “Menu” page shows the items offered by the selected restaurant.

2). That's a cart 2

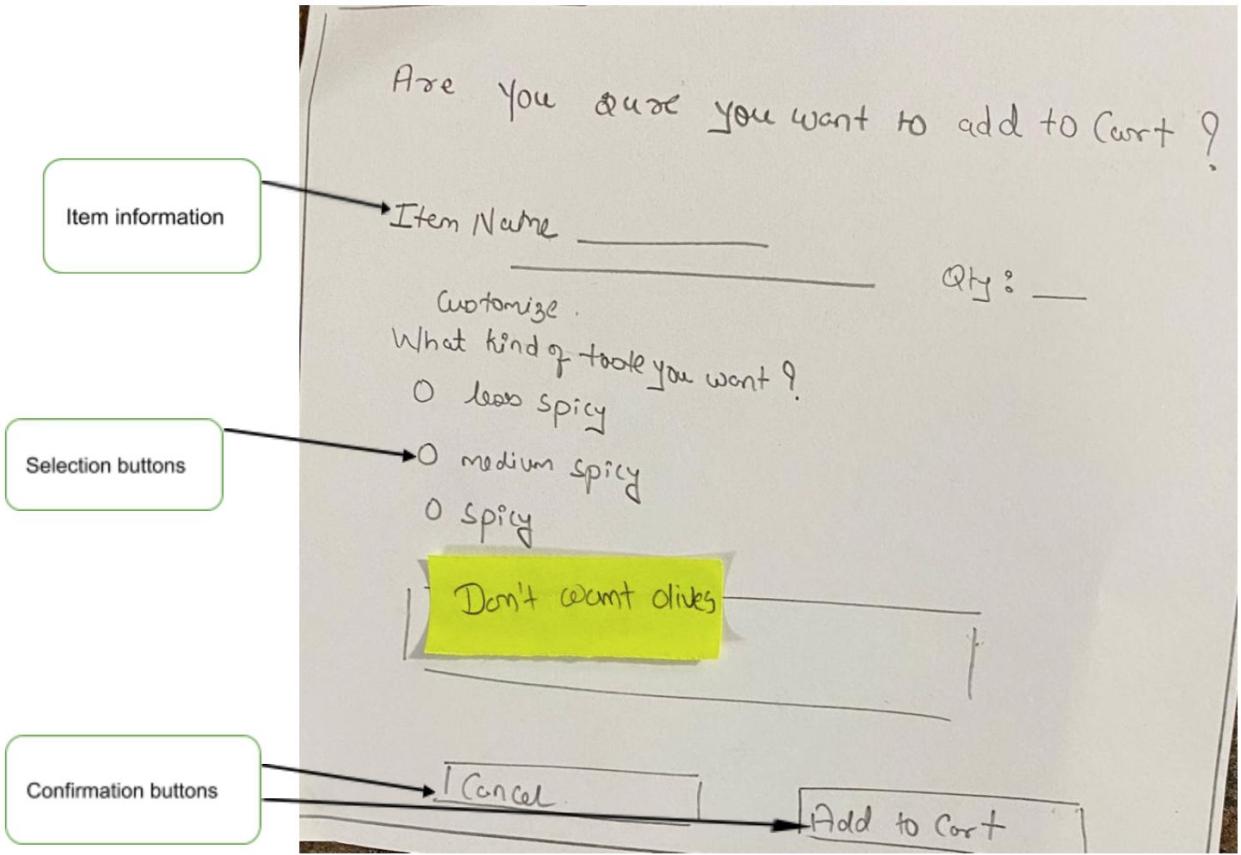
1). Click here to get multiple cart to split order

To sort item as per user need

For any special instruction regarding food or service

Once you are ready to place an order

After additional carts are added by the user, they are displayed on the right-hand side of the menu page.



Upon clicking "Add to Cart" on an item, a confirmation dialog box appears which also offers customization options.

Currently in the menu tab of selected restaurants

The image shows a hand-drawn wireframe of a mobile application interface for a food delivery service. The top navigation bar includes 'Home', 'About us', 'Menu' (which is currently selected), and 'Feedback'. Below the navigation is a section for 'Restaurant 2' with a crossed-out icon, showing a delivery fee of '\$6.9'.

Left Column (Categories):

- Sandwich
- Wings
- Chicken
- Pizza
- Burgers
- Specials
- Dessert.

Middle Column (Menu):

- Pizza:** Shows a crossed-out icon, quantity '2', price '\$22', and '52 likes'. Buttons include '+/Qty' and 'ADD to Cart'.
- Pizza 2:** Shows a crossed-out icon, quantity '1', price '\$32', and '55 likes'. Buttons include '+/Qty' and 'ADD to Cart'.

Right Column (Cart):

Cart 2: Displays the cart items and their total.

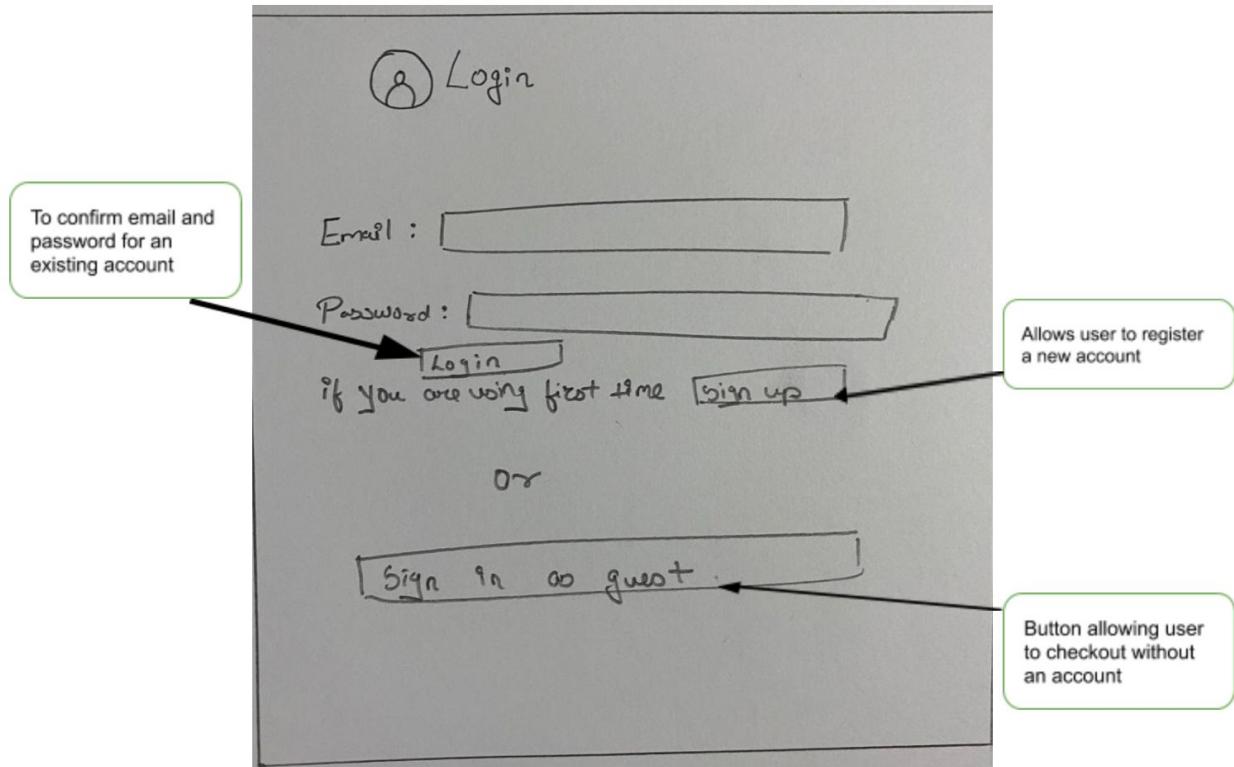
Qty	Name	Price
+1	EXPizza 2	\$32

Total: 32

Annotations:

- Add one more quantity to cart:** Points to the '+/Qty' button on the Pizza category row.
- To remove all quantities (item from cart):** Points to the 'remove' button in the yellow-highlighted cart item row.
- Total of selected quantity, delivery fee and tip:** Points to the pink-highlighted '32' in the total row.
- Reduce one quantity from cart:** Points to the '-/Qty' button in the yellow-highlighted cart item row.
- Section for selecting tip:** Points to the 'Manual tip' section in the cart summary.

Added items appear in their respective carts on the right-hand side of the menu page. The cart totals also get updated.



The login screen offers the user a way to enter their information to log in. Alternatively, they may sign up as a new user, or sign in as a guest.

Delivery information

use same address

If the user logged in and have address information already, they can use the same address.

(+) add new address

Unit:

Road:

same address.

If the user chooses this method, they can split the bills individually. It will show the individual cart window that can get the personal payment link. (each user will input their email addresses or phone number to receive the link)

Check out

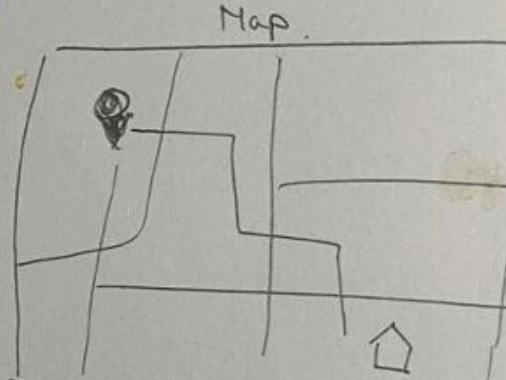
QTY	Name	\$
① +	—	\$20
② +	—	\$30
T.P.	Delivery fee	
Total:	<input type="text"/>	

Payment method.

Visa/MasterCard

Individual Cart

Map.



Visa MasterCard.

Card #:

Account holder:

CVC

Pay.

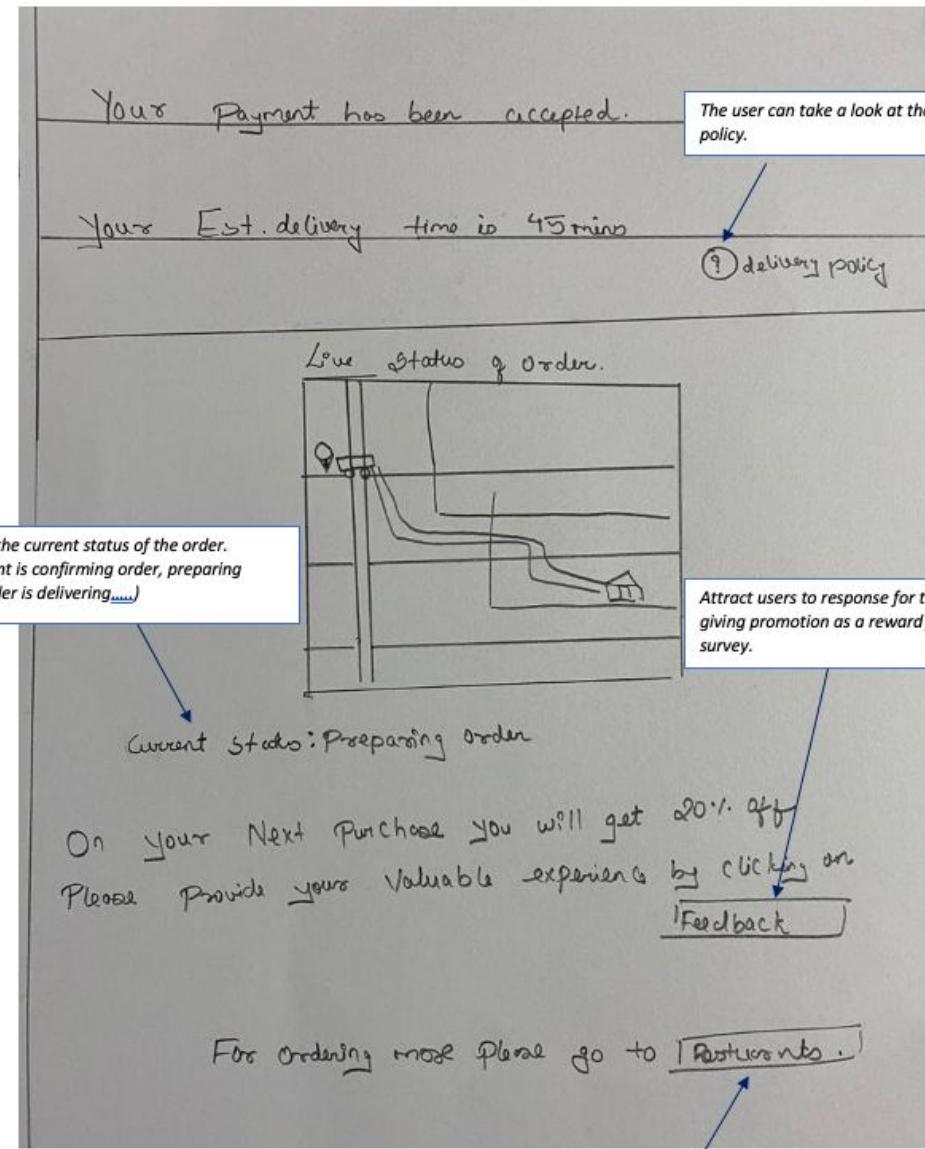
This screen is where the user enters their address (or opts to use a saved address, if there is one), confirms that their order is correct, and enters their payment information.

This is separated cart and transaction will be made respectively. They will receive the link on their personal device, and it will show their own cart.

Individual Cart		
Cart 1	Cart 2	
Qty	Qty	Qty
Name	Name	Name
\$	\$	\$
-	-	-
-	-	-
+tip: _____	+tip: _____	+tip: _____
Total: []	Total: []	Total: []
<input type="checkbox"/> Visa / Mastercard	<input type="checkbox"/> Visa / Mastercard	
Card #: []	Card #: []	
account holder: []	account: []	
CVC: []	CVC: []	
[Pay]		[Pay]

When the individual cart payment has been made, on the main cart status will be changed to (cart # has been paid)

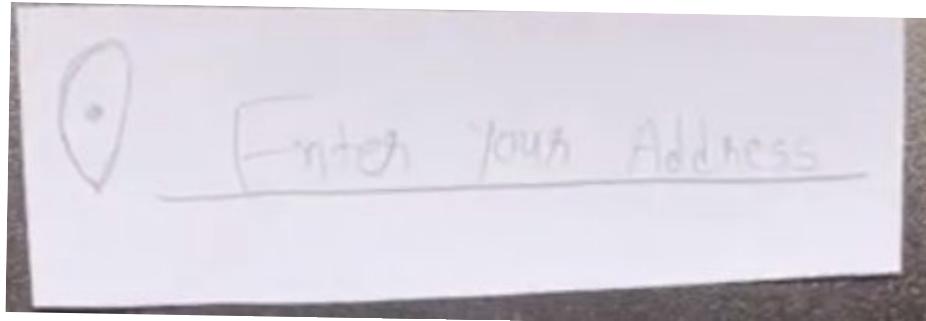
When there are multiple carts, payment details are entered separately for each one.



This page shows the status of the recently-submitted order and encourages the user to offer their feedback to their restaurant.

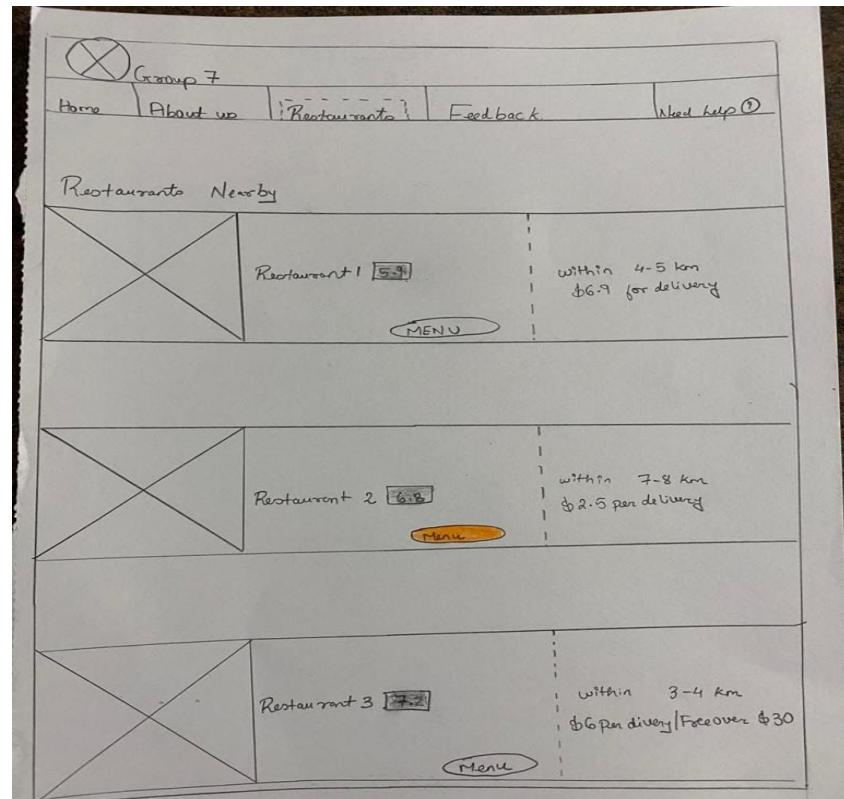
Write-up

Finding a restaurant



The process of finding a restaurant starts with the user entering an address. This process helps to prevent showing the user irrelevant options—in this case, restaurants that are too far away—thereby decreasing the cognitive load on the user when selecting a restaurant. To see why, consider that there may be many factors that play a role in deciding on a restaurant: for example, the kind of food served, the restaurant's rating, or its place along the spectrum of casual and fine dining. Of course, the user doesn't need to fit all of this information into their short-term memory. However, in the process of narrowing down their options to a few candidates, they will likely compare several of these attributes between multiple restaurants. This does require the use of short-term memory. Thus, by allowing the user to assume that all visible restaurants are nearby, we reduce the amount of information that they need to remember.

After an address has been entered, a list of nearby restaurants appear. All of the most important information pertaining to each one is shown, specifically its name, logo, rating, distance, and delivery fee. This list is designed with the Gestalt principle of similarity in mind: because each

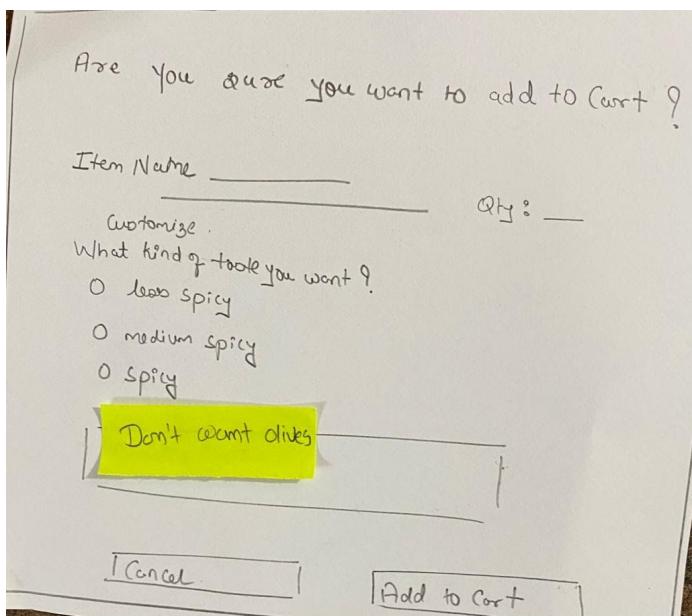


restaurant is displayed in the same way, the user will understand that they are connected. After choosing a restaurant, the user taps on its “Menu” button, which will cause its menu to appear.

Building an order

Group 7				Need help ?																								
Home	About us	Menu	Feedback																									
 Restaurant 2 [6.8] Address: _____ \$6.9 for delivery																												
<table border="1"> <tr> <td><u>Last Order</u></td> <td><u>Today's special</u></td> <td><u>Combo</u></td> <td></td> </tr> <tr> <td>ItemXYZ _____ \$8 [+/- Qty] <input type="checkbox"/> ADD to Cart ✓ Itemabc _____ \$7</td> <td>Special abc _____ \$25 [+/- Qty] <input type="checkbox"/> ADD to Cart ✓ Heart Most lovable item</td> <td>Combo123 _____ \$12 [+/- Qty] <input type="checkbox"/> ADD to Cart ✓</td> <td></td> </tr> <tr> <td colspan="4">◀ ▶</td> </tr> </table>					<u>Last Order</u>	<u>Today's special</u>	<u>Combo</u>		ItemXYZ _____ \$8 [+/- Qty] <input type="checkbox"/> ADD to Cart ✓ Itemabc _____ \$7	Special abc _____ \$25 [+/- Qty] <input type="checkbox"/> ADD to Cart ✓ Heart Most lovable item	Combo123 _____ \$12 [+/- Qty] <input type="checkbox"/> ADD to Cart ✓		◀ ▶															
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◀ ▶																												
<table border="1"> <tr> <th>Categories</th> <th>MENU Search ?</th> <th>Cart </th> </tr> <tr> <td>Sandwich</td> <td>Pizza Sort + v.</td> <td>Qty Name Price</td> </tr> <tr> <td>Wings</td> <td>Pizza1 _____ \$22 date: 32 likes [+/- Qty] <input type="checkbox"/> ADD to Cart ✓</td> <td></td> </tr> <tr> <td>Chicken</td> <td>Pizza2 _____ \$32 date: 55 likes [+/- Qty] <input type="checkbox"/> ADD to Cart ✓</td> <td></td> </tr> <tr> <td>Pizza</td> <td></td> <td>Manual tip 10% tip 5% tip</td> </tr> <tr> <td>Burger</td> <td></td> <td>Total: _____</td> </tr> <tr> <td>Specials</td> <td></td> <td>Special instruction:-</td> </tr> <tr> <td>Dessert</td> <td></td> <td>Place order</td> </tr> </table>					Categories	MENU Search ?	Cart 	Sandwich	Pizza Sort + v.	Qty Name Price	Wings	Pizza1 _____ \$22 date: 32 likes [+/- Qty] <input type="checkbox"/> ADD to Cart ✓		Chicken	Pizza2 _____ \$32 date: 55 likes [+/- Qty] <input type="checkbox"/> ADD to Cart ✓		Pizza		Manual tip 10% tip 5% tip	Burger		Total: _____	Specials		Special instruction:-	Dessert		Place order
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Specials		Special instruction:-																										
Dessert		Place order																										

The primary way of selecting a dish is a three-step process: first, the user selects a category in the sidebar on the left-hand side of the screen. This causes the list of items in that category to appear in the middle of the screen. Second, the user finds an item within that list and optionally increments or decrements its quantity, then clicks “Add to Cart.”



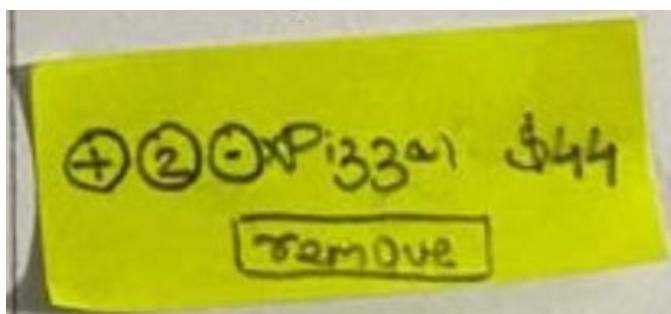
Third, a dialog box appears that allows the user to customize the item and finally, add it to their cart. This is indicated visually by a summary of the item showing up on the right-hand side of the screen. This design has two notable benefits. First, it is very common for websites and native applications alike to employ a sidebar for navigation. By using one, we leverage the experience the user likely already has with similar interfaces. Second, if the user clicks on “Add to Cart” for an item they did not mean to, they will immediately be given an opportunity to cancel the action.

Without this additional step, there is some chance that the user would have forgotten to remove the item later. Our design avoids this safety pitfall.

Recall that what we just described was referred to as the “primary” way of selecting a dish. We shall soon discuss the secondary way. But first, consider that for a large menu, our design as presented so far would offer the user a lot of options, of which not all are of equal relevance. This has two drawbacks. First, the abundance of options might cause some users to feel overwhelmed, or spend a lot of time deciding which items to select. Second, searching through a vast collection of items is inefficient for users who have ordered from the restaurant before and know exactly what they want.

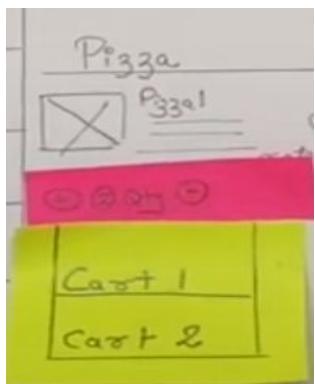
Last Order	Today's Special	Combo
ItemXYZ \$8 [+ Qty -] ADD to Cart ✓ Itemabc \$7	Special abc \$25 [+ Qty -] ADD to Cart ✓ Most lovable item	Combo123 \$12 [+ Qty -] ADD to Cart ✓

We address both of these problems by providing a small horizontally-scrolling list of items at the top of the screen. Some examples of items that could appear in this list are the previous orders made by the authenticated user, or the combos and daily specials offered by the restaurant. By providing this list, we allow for much better efficiency (in the form of fewer clicks) and can avoid overwhelming the user.



After an item has been added to a cart, the user can alter its quantity by clicking the plus or minus buttons. They can also remove it entirely with the “Remove” button. This makes it easy for the user to correct their mistakes, or change their order spontaneously.

When ordering food for more than one person, it is common to split the bill such that each member of the group only pays for their portion of the order. For this reason, we allow the user to add additional carts. To do so, the user will click the “Cart+” button. Once more than one cart exists, adding an item takes an additional step.



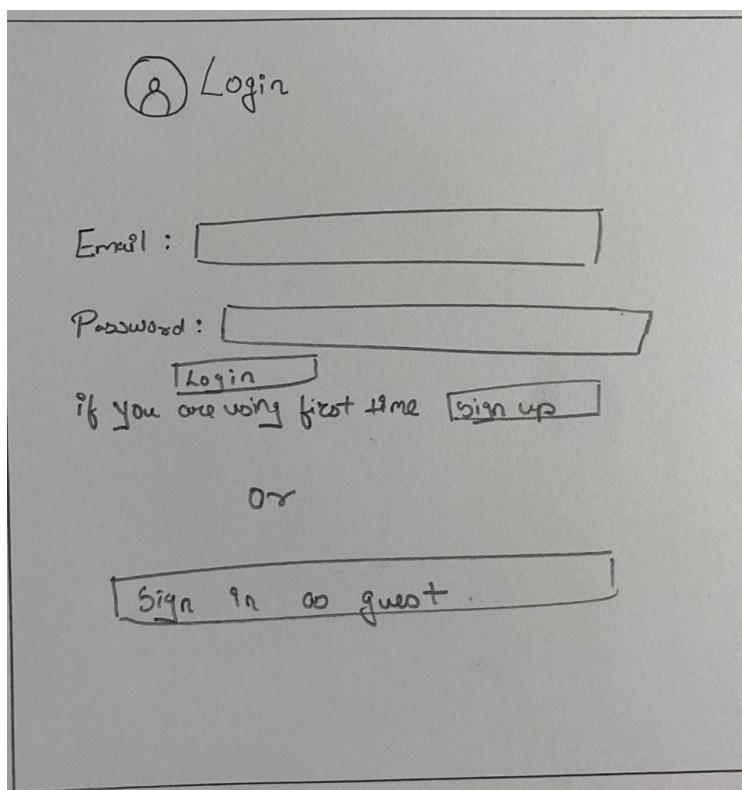
After clicking on “Add to Cart” for some item, a dropdown menu will appear, allowing the user to select the appropriate cart. After that, the interaction proceeds as before, except that separate payment information must

Cart 2		
Qty	Name	Price
+ 1	Pizza 2	\$32
	(remove)	
Manual tip	10% tip	5% tip
total:	32	
Special instruction:		
	Place Order	

Cart 1		
Qty	Name	Price
+ 2	Pizza 2	\$44
	(remove)	
Manual tip	10% tip	5% tip
total:	44	
Special instruction:		
	Place Order	

be added for each cart. These additions do complicate the interface slightly when using multiple carts. However, we believe that this is a reasonable trade-off to make between efficiency and utility. A more fair comparison for a group use-case would be between our design and one that does not offer support for bill splitting. In the latter case, the group would have to rely on a workaround to split their bill. This reduces utility. For example, one group member might pay for the whole bill and expect the other members to pay them back. Some members might ask to pay later, and then require several reminders before they ultimately pay their portion. Evaluating the interaction holistically, this greatly reduces efficiency and results in a negative user experience. Our design avoids these problems.

Placing the order



To begin placing the order, the user clicks the “Place Order” button on the menu page. They are then given the option to log in with their username and password, create a new account, or log in as a guest. The main upside of using an account is added efficiency: delivery addresses and credit card information can be saved, so it doesn’t need to be re-entered each time. Additionally, as mentioned above, recent orders can be shown in the quick access list on the menu screen. After logging in, the user chooses and/or enters a delivery address, and for each cart, enters payment information. After submitting, the interface informs the user of the status of their order.

Video

<https://youtu.be/Cxf8xgKoosc>

Part (e)

Participant 1

Participant 1 is a female in her early 20's and now an undergraduate student at the University of Manitoba. She used our prototype and liked the system very much. She was impressed when the login interface showed up after she tried to place the orders because it means that the first-time users can go directly to the restaurant selection interface rather than the login interface, which lets them use the app as soon as they click into it, and get familiar with it quickly. She really liked having all of the information she would need displayed on one screen and being able to see her cart and budget the money she needed. She thought highly of the function of cart separation because she shares an apartment with her friends and it makes splitting bills much easier. She also pointed out several things she did not like in the system. Firstly, she hoped to be able to filter and sort the restaurants by the price, ratings, or distance. Secondly, she thought it would be better to show the price range before clicking into a restaurant since the users need to take the price as a consideration. Lastly, she expressed her concerns about the payment interface. She worried that it might be dangerous to type her card information on another person's device, and it would be better if the system could solve this problem of information security.

Participant 2

Participant 2 is a female in the age group (20~29). She is studying Family Social Sciences at the University of Manitoba. There were a few things she liked about our prototype and a few she did not. First, she liked the way of navigating the menu because she could look at the categories, menus, and carts on the same page so she thinks it will take less time for ordering. Second, she did like the multiple cart option because she had a difficult time to split the bills when she is ordering for a big group. She thought the process of splitting bills from this interface is really straightforward to use and it is a unique idea. However, there was one thing she did not like about our interface. She was complaining about the login page. She said If she had an account already, it is better to ask login first instead of asking users to put their address first. She hoped that we put the login button on the first page so that people who have an account already do not need to put their address and login information redundantly.

Participant 3

Participant 3 is a male in his late 20's. He has been working for a tech company for 3 years. He liked showing nearby restaurants at first because it will be delivered more quickly than the ones that are not nearby and they require less delivery fee. He said he frequently orders food from the nearby restaurant because of the reason above, so he thought this interface worked for him. Also, he liked the multiple cart option because it makes ordering food for a group easier with splitting the bills. There are 3 things that he felt uncomfortable with our prototype interface. First, he wanted to add the multiple carts before he added an item to the cart but he had a hard time finding a button for adding a new cart. He suggested having a button for adding multiple carts beside the "Add to Cart" button. Second, when a second cart is added, the window of the additional carts is hiding the "combo" menu section so he suggested showing the multiple cart feature in the main cart section. Third, he felt uncomfortable with the process of adding an order to the cart, it did not show the amount that he will pay for after modifying the order. He had to calculate the modified order price by himself to see the price when he paid.

Participant 4

Participant 4 is a male student at the University of Manitoba in his early 20's doing his third year. He is an Economics Major. We started off using the system and he immediately liked that the "Need Help" button was on the navigation bar because he usually has to search for it or it is somewhere at the bottom of the pages he is used to. He liked being able to understand what he is going to be ordering as there is a picture of the item and a description next to it as well. To add to that, he liked the review system that we used which was the likes next to each food item in the menu as it indicated specific popularity for the menu items. The multiple cart idea was a hit with him because he has a roommate that he often orders food with and this would help make it easier to split the bill with each other. He liked the option to sign in as a guest when completing the order as he is not a fan of sharing his information on the internet. The one thing he felt uncomfortable with was how to return back to the page with the list of restaurants because the navigation bar switched from "Restaurants" to "Menu". The way to navigate back is by clicking the logo in the top left but it was unclear. He suggested that we should make that clearer by having it still say "Restaurants" on the navigation bar and put a "MENU" heading on the menu page.

Summary

From this activity, we gained more confidence in the fundamental aspects of our design, specifically multiple carts and the display of categories, items, and carts on a single unified menu page. We also learned that there are other aspects that need more polish and/or further iteration. On the polish side, we might allow the sorting of restaurants, show the price range for each restaurant, make it easier to discover how to add a new cart, and put all carts at the bottom right-hand side of the screen rather than covering up the quick access item list. On the iteration side, one of the interesting things that came up was the issue of the login screen. One participant appreciated that they did not need to login immediately and could instead focus on their order. Another participant brought up a good point, which is that with the status quo, repeat customers would need to enter their address each time. Thus, for those users, it would actually be better to login earlier in the process. We suspect there is a compromise to be struck between these two positions that will satisfy new and registered users alike, but it will need more iteration to find. Another point that was brought up was that having people enter their credit card information on someone else's computer is not very secure. We may need to consider other options. We also received a suggestion about communicating with the restaurant and/or driver about the order.

Appendix

Zach's Sketches

```
Terminal > fos --help
Welcome to Food Ordering System!
Usage:
  --menu           Prints a list of all items offered
  --add <id> <output-file> Adds item with the given ID to the
                                Order in the output file. If the file
                                doesn't exist, a new one is created.
  --order <order-file> Completes the order stored in the given file
> fos --menu
ID      Name          Price
0       Buttermilk Pancakes $X.XX
1       French Toast      $X.XX
2       Belgian Waffle    $X.XX
3       ...
:
> fos --add 1 myorder.fos
Are you sure you want to add "French Toast" to your order
for $X.XX? (y/n)
y
Added successfully.
> fos --order myorder.fos
Are you sure you want to place your order?
French Toast      $X.XX
Total             $X.XX
(y/n) y
Order successfully placed. It should be ready in 15 minutes.
>
```

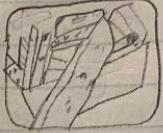
Super Delicious Restaurant™



Beverages

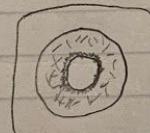


Main Courses

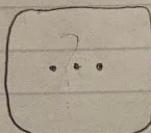


Sides

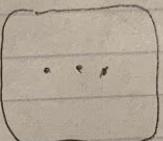
Current Order	
Subtotal	\$ 0
Total	\$ 0



Desserts

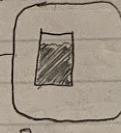


etc..

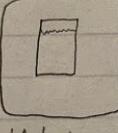


etc..

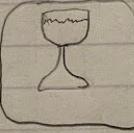
Super Delicious Restaurant™



Popsi

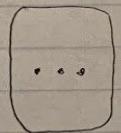


Water



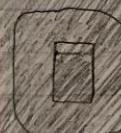
Wines

Current Order	
Subtotal	\$ 0
Total	\$ 0

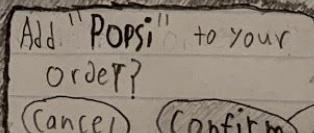


etc..

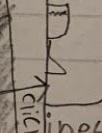
Super Delicious Restaurant™



Popsi



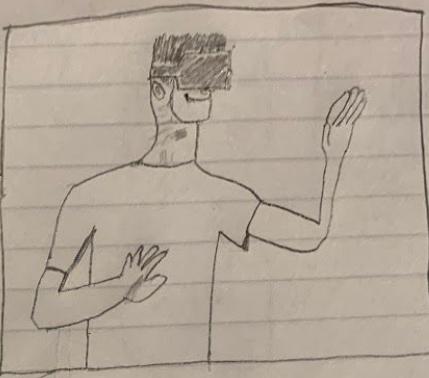
Water



Wines

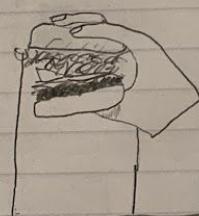
Current Order	
Popsi	\$ 2.99
Subtotal	\$ 2.99
Total	\$ 3.35

Please Put
Phone in
VR Headset
to Continue

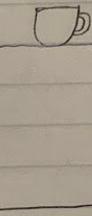


Grab item in VR

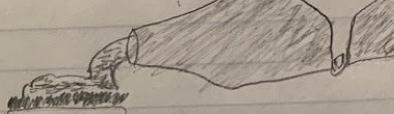
Burger
\$ X.XX



Coffee
\$ X.XX



Put Desired Condiments On

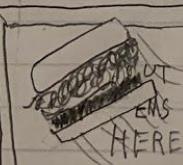


Place in Virtual Cart

Cart

\$ X.XX
\$ X.XX

Con
Ord



Complete order

Cart
\$ X.XX
\$ X.XX
Burger
w/ketchup
\$ X.XX

Complete
Order

PUT
ITEMS
HERE

How old are you? 19

16
17
18
19
...

Do you like spicy food? Yes

No
Don't know

Sweet or Savory? Sweet

Savory

What is your mood? I want to celebrate! 😊

I want to cry 😢

Mood? I haven't felt anything in years 😕

Notice the use of Past answers in the phrasing:

How do you like to celebrate? Fancy

Down-to-Earth

Found something that will be perfect for you!

Subday Sub \$X.XX
Ham & Cheese

Franchise or Mom-and-Pop? Franchise

Mom-and-POP

Total \$X.XX

Place Order I want something else

Any Food Allergies? Yes, all of them

No

Hmm... I'm thinking... 😐

Entire Menu Shown in a compact form:

	Some Food item	\$X.XX
	extra X	+\$0.XX
	extra Y	+\$0.XX
	Some Food Item 2	
	small	\$X.XX
	medium	+\$X.XX
	large	+\$X.XX

Your Order
no items yet

Tapping an item causes it to expand with a detailed description, and perhaps some additional options in some cases:

Some Food Item	More items here	And Here									
<p>Lorem Ipsum dolor sit amet, Consectetur adipiscing elit, Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p> <table border="1"> <tr> <td></td><td>Base Item \$ X.XX</td><td>(Add)</td></tr> <tr> <td></td><td>Extra X \$ X.XX</td><td>(Add)</td></tr> <tr> <td></td><td>Extra Y \$ X.XX</td><td>(Add)</td></tr> </table>		Base Item \$ X.XX	(Add)		Extra X \$ X.XX	(Add)		Extra Y \$ X.XX	(Add)		
	Base Item \$ X.XX	(Add)									
	Extra X \$ X.XX	(Add)									
	Extra Y \$ X.XX	(Add)									
Some Food Item 2											

Your Order:
no items yet

Integrate with other health-focused services to gather data about the user's diet. Use this info to encourage the user to make healthy choices:

shown
before
less
healthy
options

Super healthy
Salad
Food groups: Vegetables
Calories: ~12

Kinda Healthy Salad
Food groups: Vegetables
Calories: 300

...

...

Burger
Food groups: meat, grain
Calories: 800
This item exceeds
your calorie goal!

Greyed out to
indicate it is
a "bad" choice according
to our system

EatLikeYourAncestorsDid.com

Enter your address to receive a FREE DNA testing kit. Perform the test and send it back to us so you can Eat Like Your Ancestors Did!

mm
mm
mm

Already know your ancestry? [Click here.](#)

After sending in test, or manually entering in ancestry:

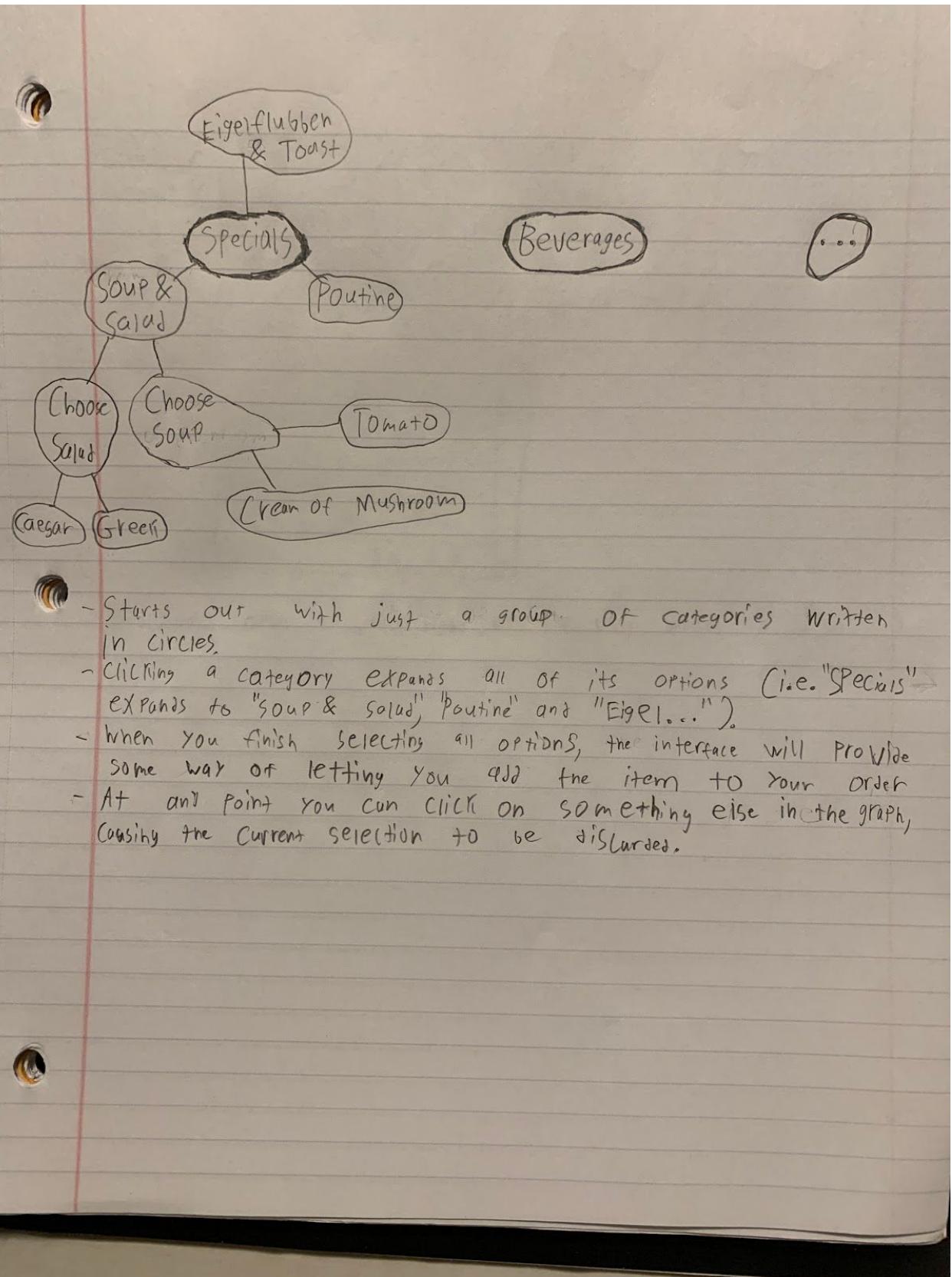
Welcome, X! You are of Y descent. A common dish of the Y people in the time period Z was Eigeflubben. There is a traditional Y restaurant near you that makes Eigeflubben. They have good reviews. Do you want to try it?

Eigeflubben \$XX.XX

Yes Not Today Never

Category A	Item 1	\$X.XX	Option X <input checked="" type="checkbox"/>
Category B	Description		Option Y <input type="checkbox"/>
Category C			Option Z <input type="checkbox"/>
:			Add to Order
	Item 2	\$X.XX	
	Item 3	\$X.XX	

- New panes open to the right as the user makes a selection.



Item	Price	ID
Grilled Cheese and Fries	\$X.XX	35u
Grilled Cheese and Baked Potato	\$X.XX	4ru
Pancakes with Butter	\$X.XX	128
Pancakes with Margarine	\$X.XX	555
Waffles	\$X.XX	549

Enter the IDs of the items you want to order:

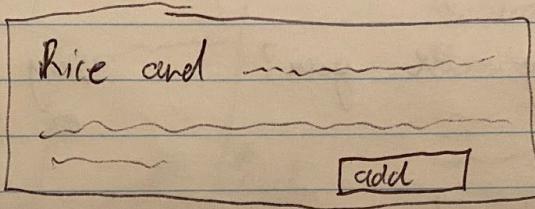
Place Order

- When the user fills up all 5 fields, a new row appears

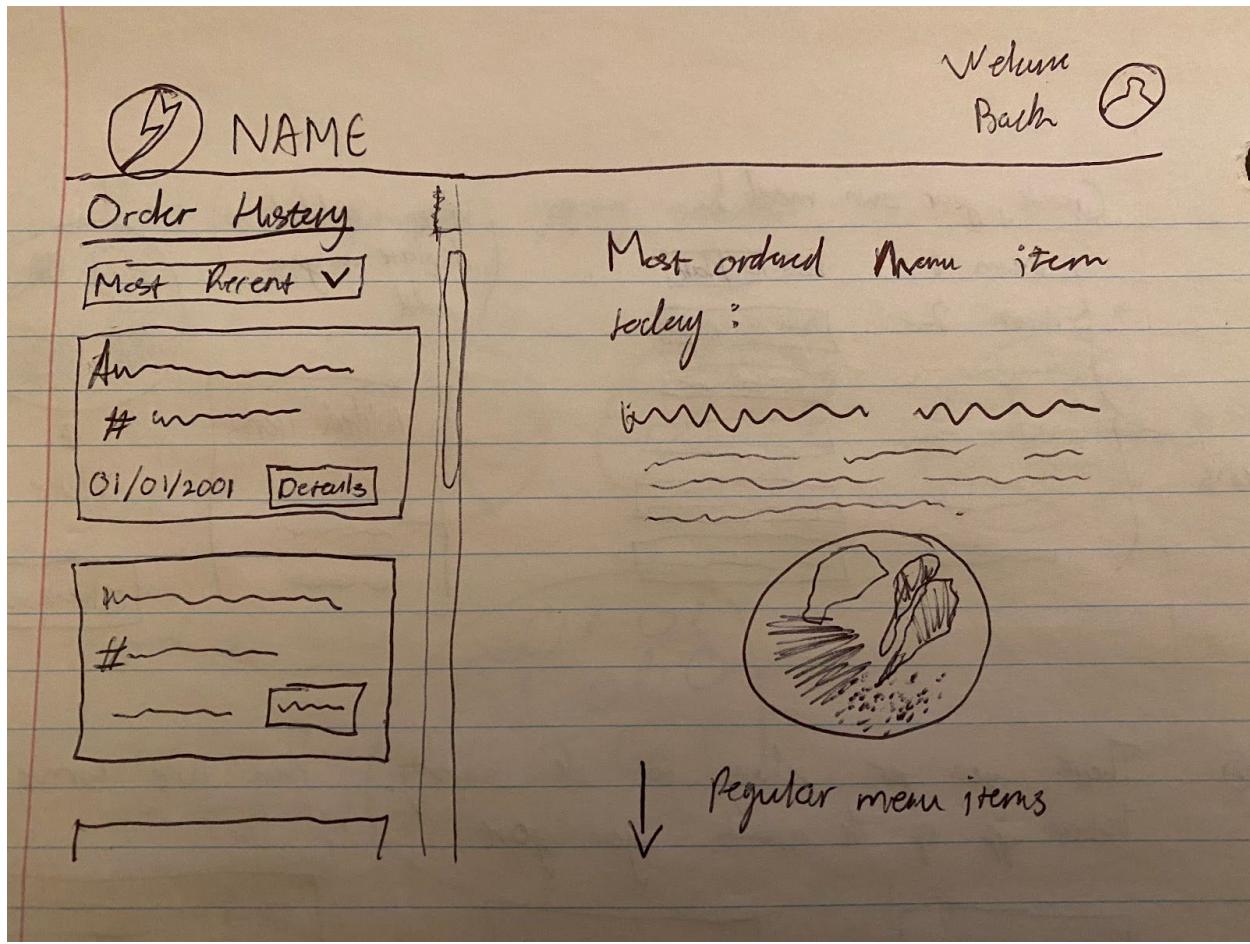
Tino's Sketches

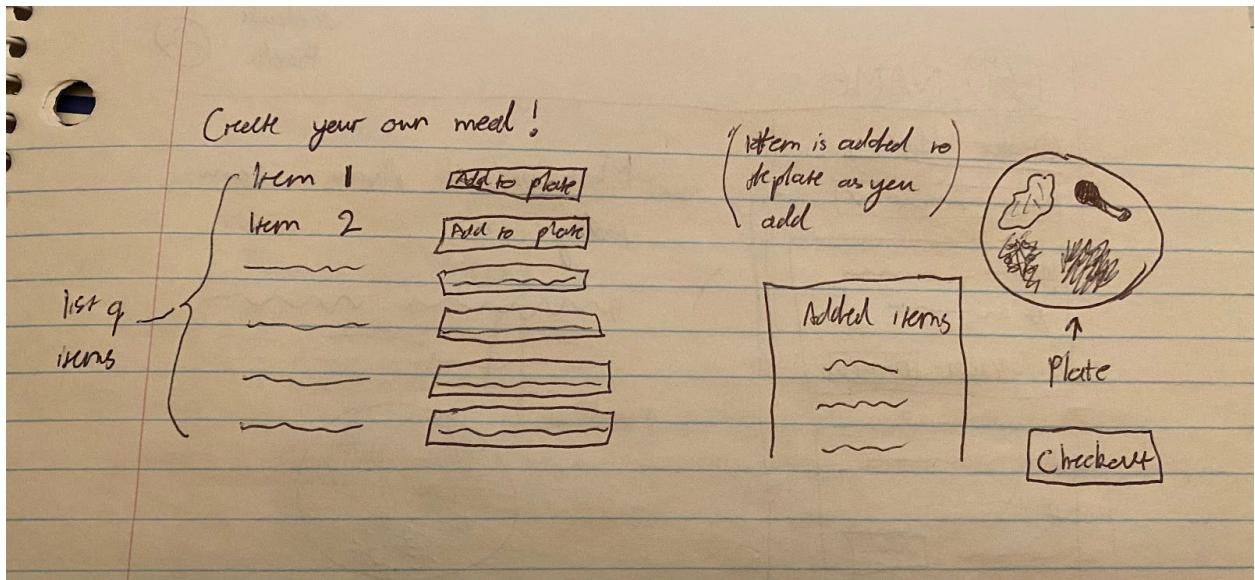
BASED ON YOUR
Previous Orders, you may
like:

*/suggested
orders based on
previous orders



↓
Regular menu items
continue after a few
suggested items





① Please fill out this survey to help us give you an accurate order:

How hungry are you?

Very

Moderate

Not really



Spicy taste level

High



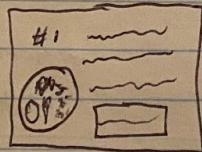
Medium



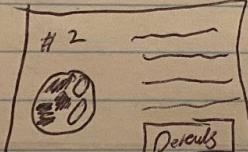
Low



② Thank you for filling out the survey. Here are some options based off of the answers you gave:

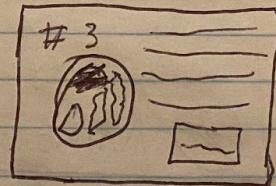


#1

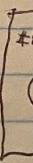


#2

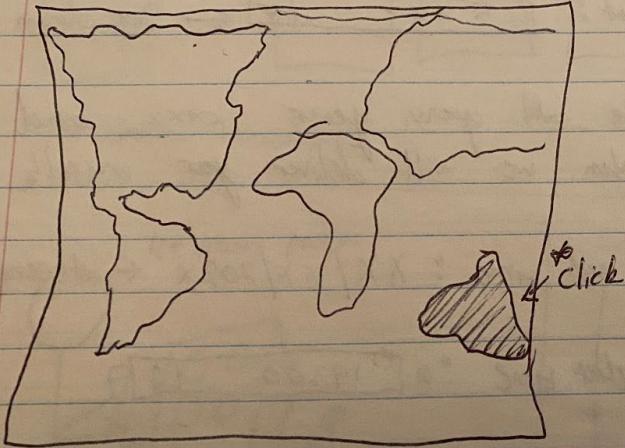
Details



#3



World map and you select a region to get dishes based on
the place selected, (restaurants that offer those dishes, special dishes
of that region.)



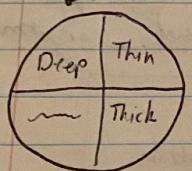
Australia:

Dominoes ~~is~~ Australian Pizza.

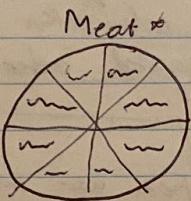
Happy Chicken Australian
Special!

Pizza ordering... for tipping selection

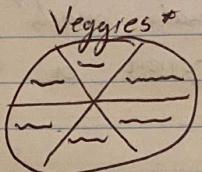
Crust *



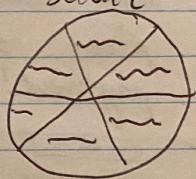
Meat *



Veggies *



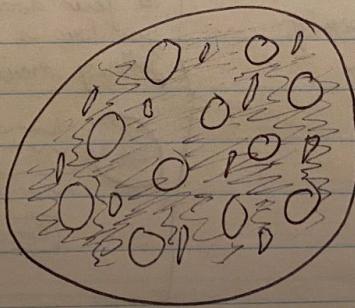
Sauce *



* selection
Required

Your Pizza !!

(has toppings on →
it as you select)





Vegetarian ^{meal} ordering site. :)

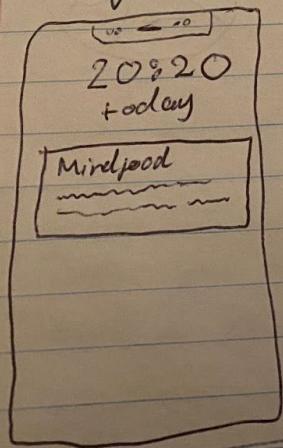
Select plant ~~you~~ you want: ← Drop down

We will open your xxxx and notify you
~~This~~ next year when we will deliver your meal!

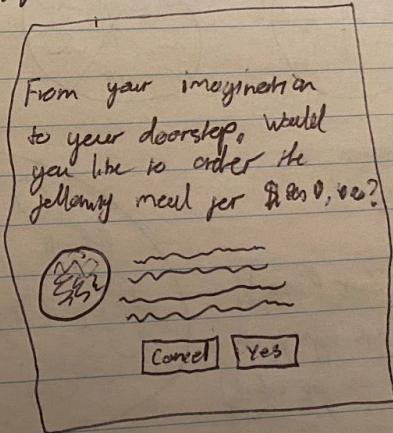
Estimated delivery date and time: XX/XX/202X ← depends on ~~xxxx~~
selection

Please select time: 0 19:00 19

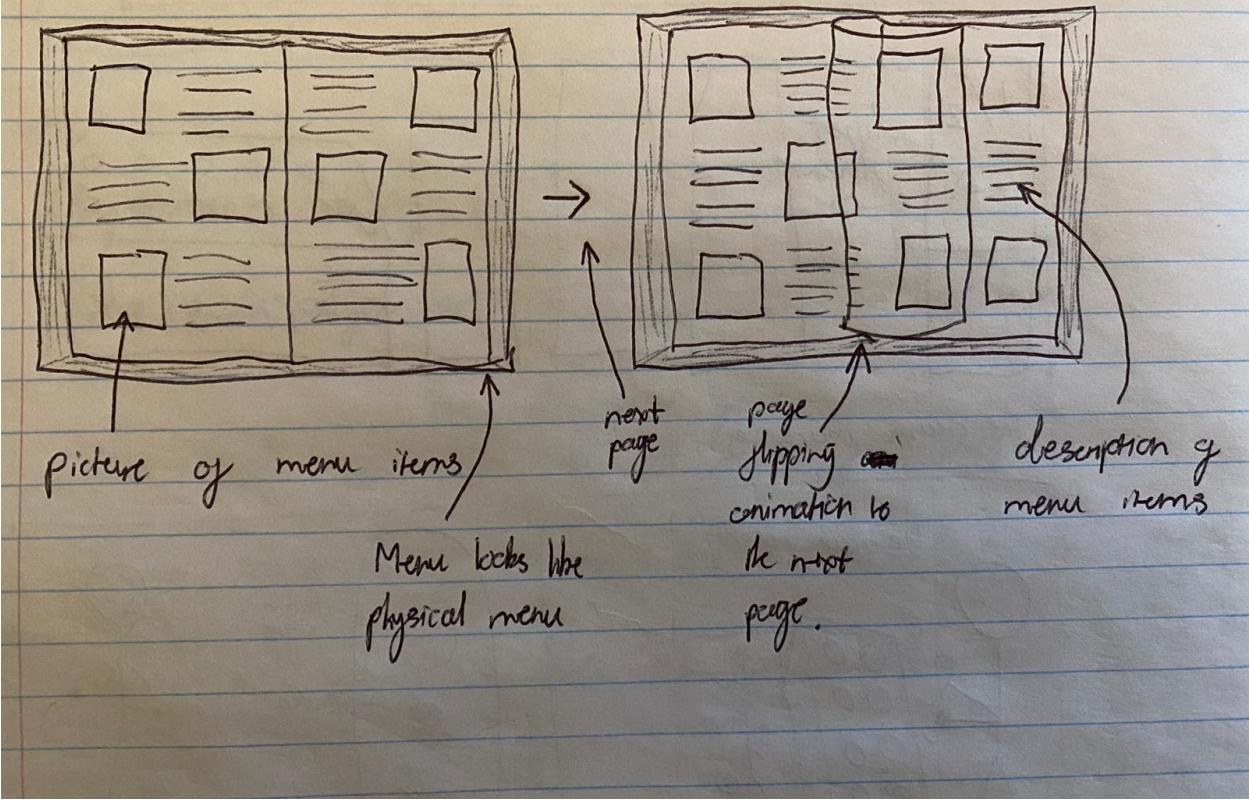
User has special chip in brain that monitors and records thoughts and cravings throughout the day and ~~sends~~ sends a notification to an app on user's phone to summon a suggested order and confirm payment!



After opening
→

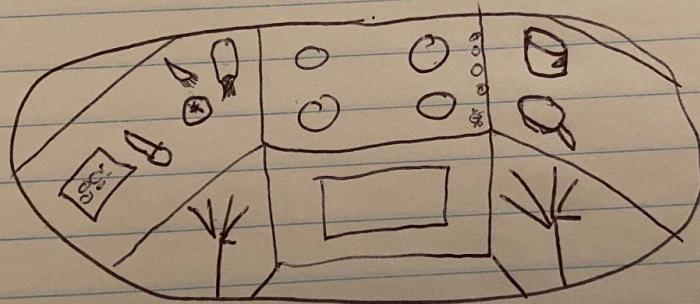


Interactive page flip of what a menu bar looks like a physical menu.

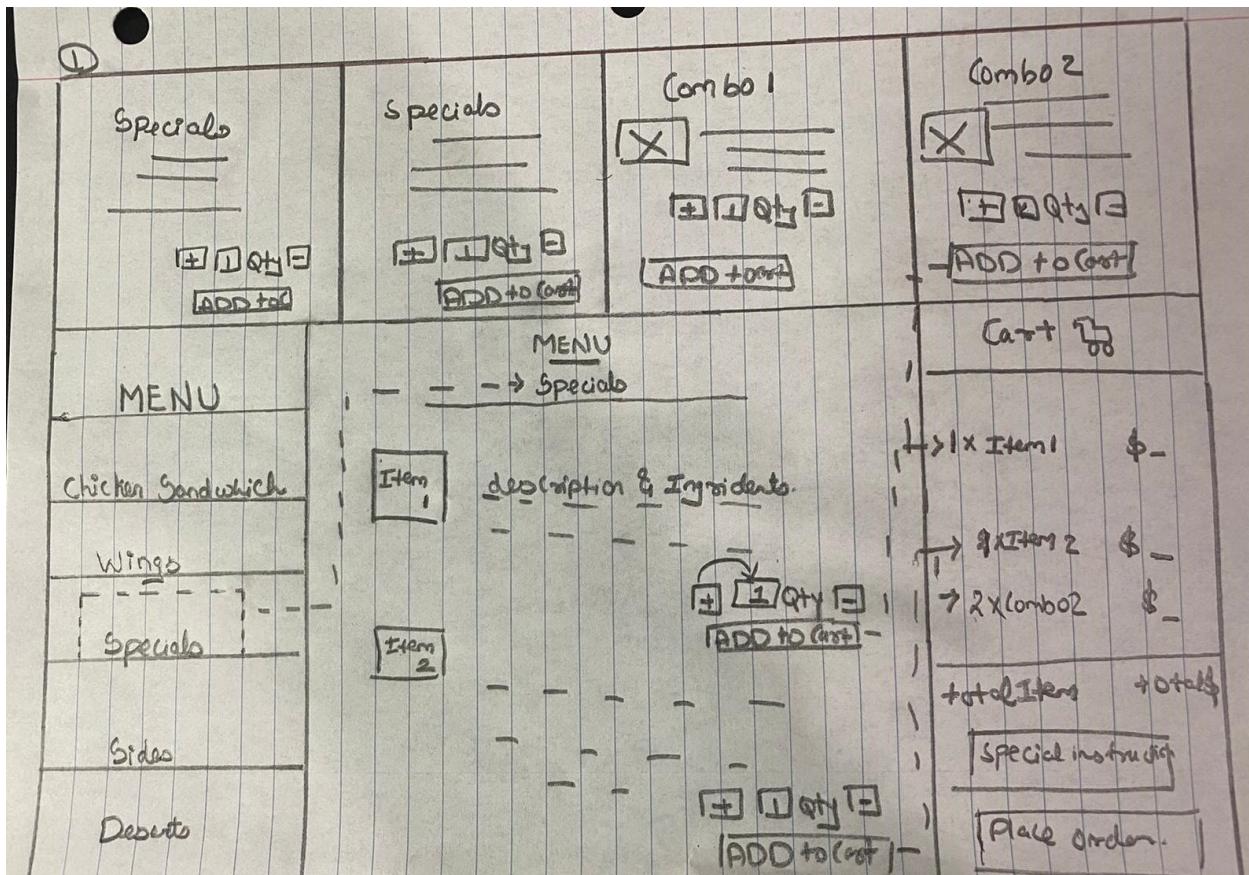


Restaurant

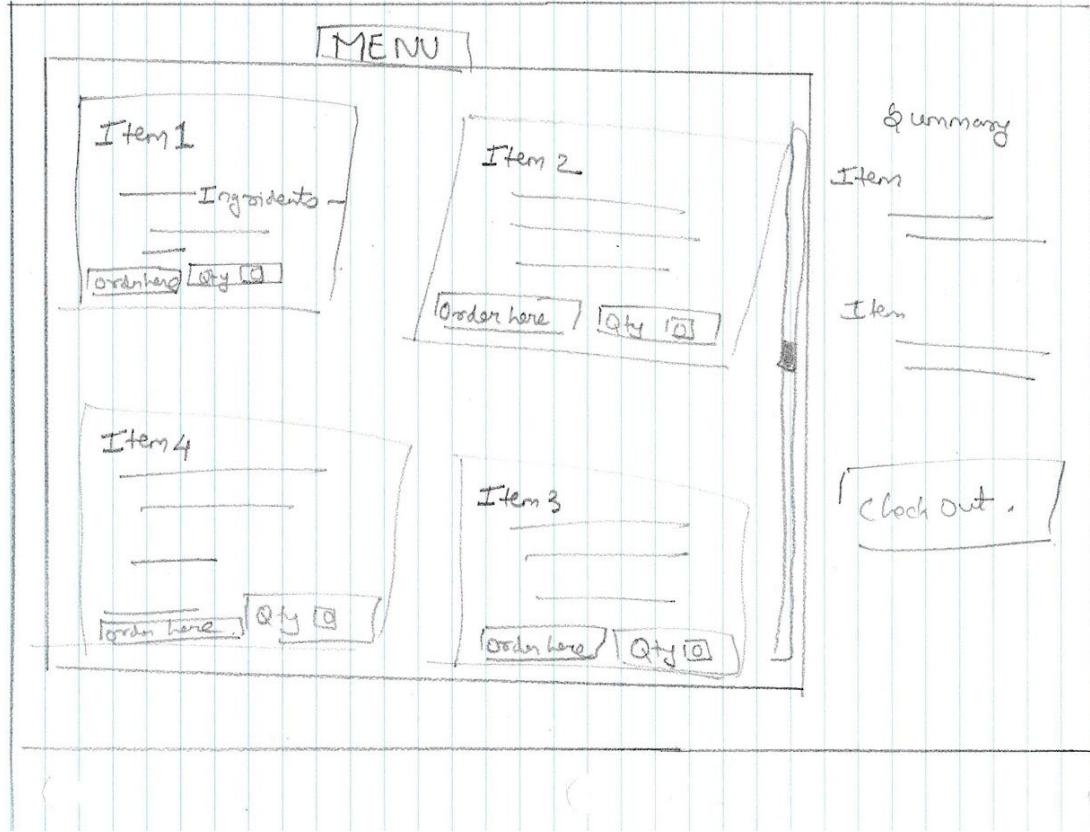
VR of you in the restaurant ^{kitchen} making your order!



Zeel's Sketches



②



(3)

Buy 2
chicken Sandwich
get 3rd one
for free
use coupon ABC

Buy 2XL Pizza
get 1L
for free
use coupon XYZ

→
—
—
—
1,23

Checkout

1x —

Qty +

2x —

Qty -

Item 1

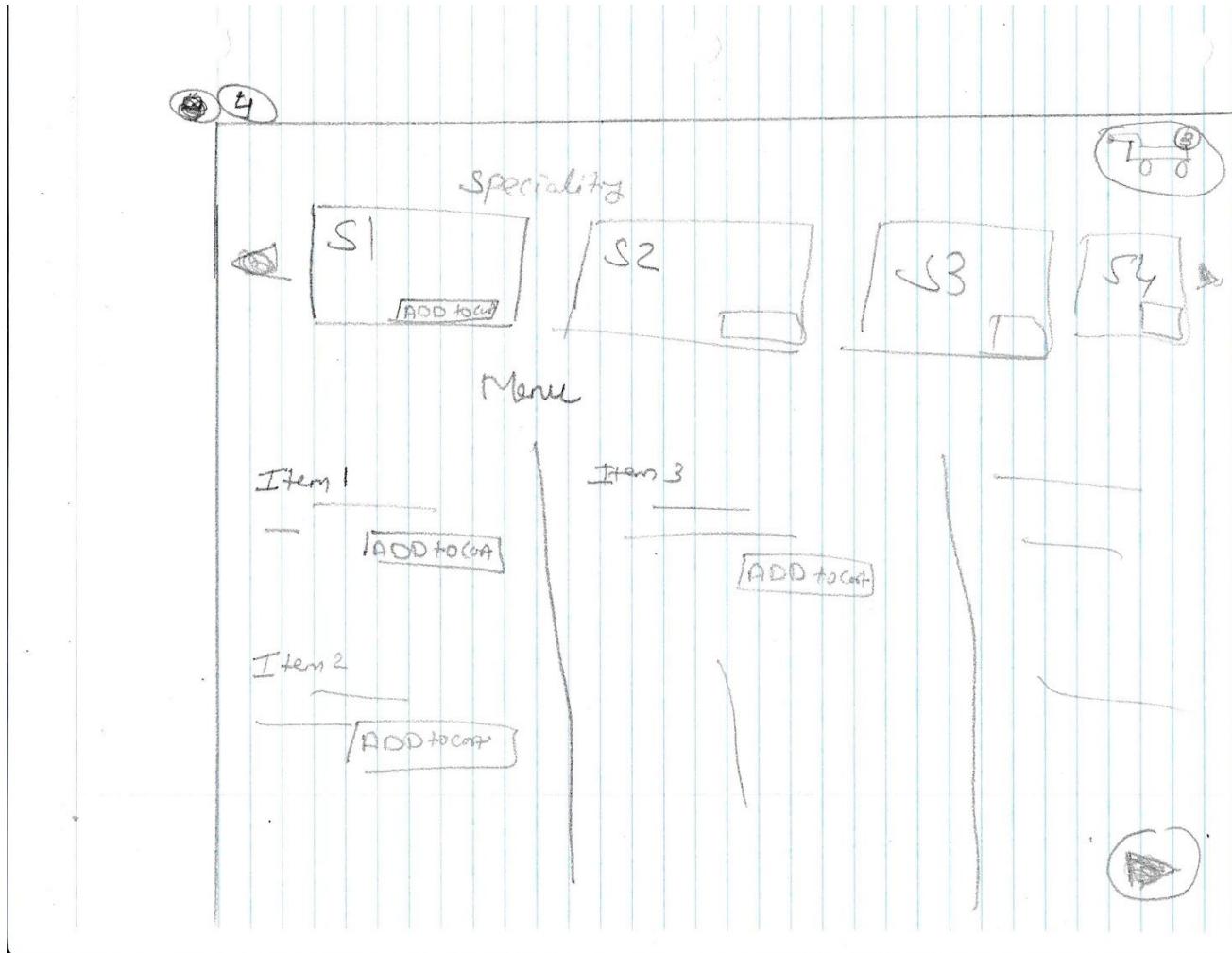
- Ingredients
- how it get cook

Add to cart

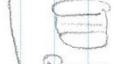
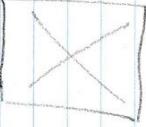
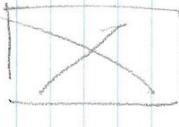
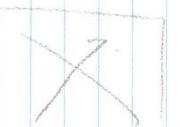
 Navigating button

Cancel

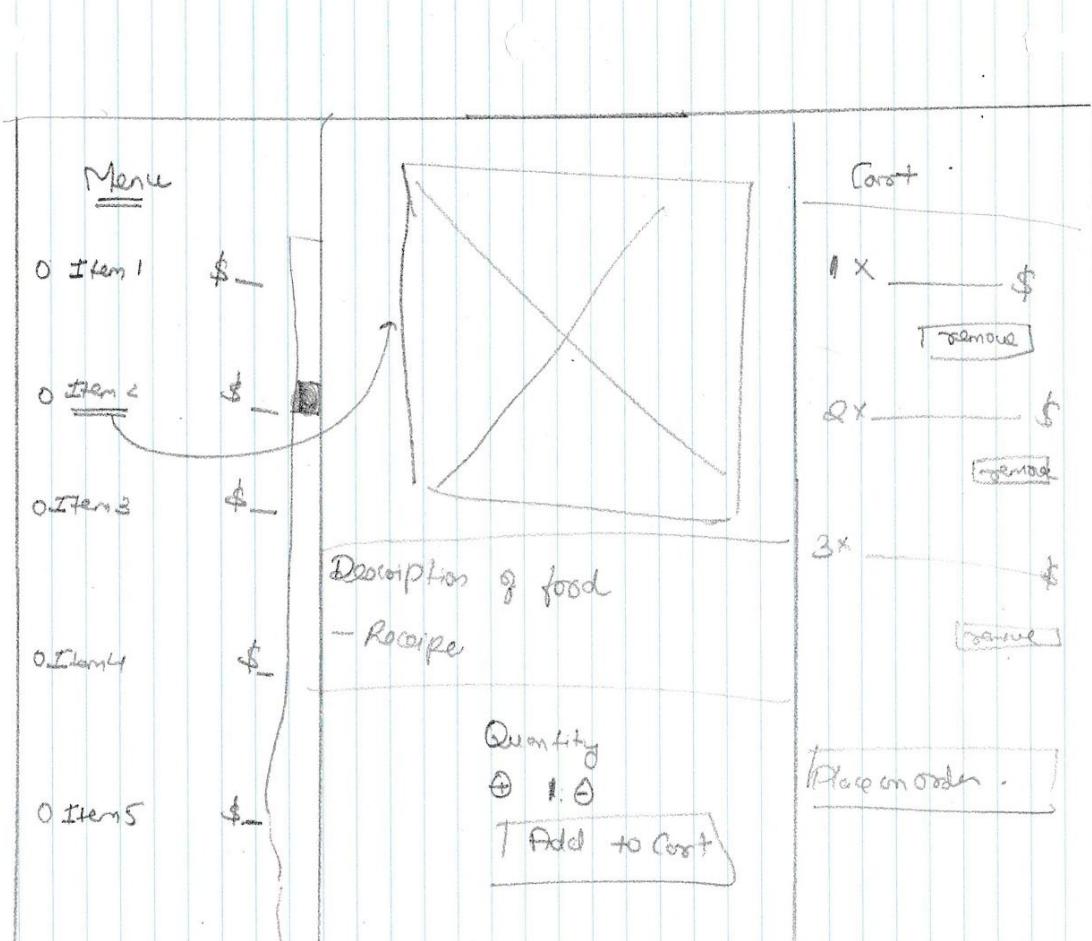
Proceed to cart



5.

					
	Pizza	Burrito	Chicken	Taco	Sandwich
					
	<u>① Deposition</u>				
					
	<u>② ADD to cost</u>	<u>③ ADD to cost</u>			
					
	<u>④ ADD to cost</u>	<u>⑤ ADD to cost</u>			

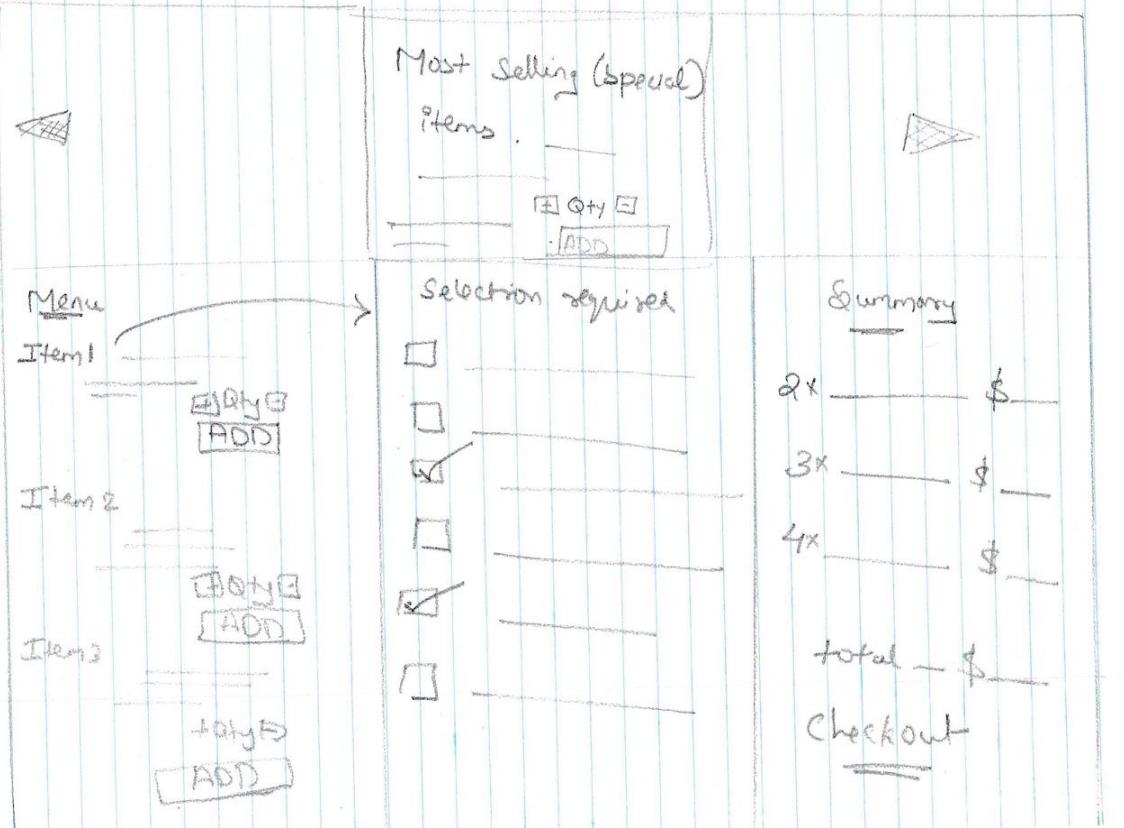
⑥



7

Choose from your previous orders	Featured.	MENU	Checkout
Ordered on 6 th Oct [ADD to Cart] [Add to Cart] [Add to Cart]	 [Add to Cart] [Add to Cart] [Add to Cart]	<u>MENU</u> [ADD] [ADD] [ADD] [ADD]	1x \$ - 4x \$ - Any Instruction Place an order.

8



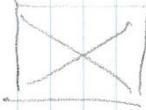
9)

Item 1



Qty

Item 2

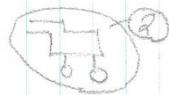


Qty

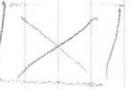
Item 3



Qty

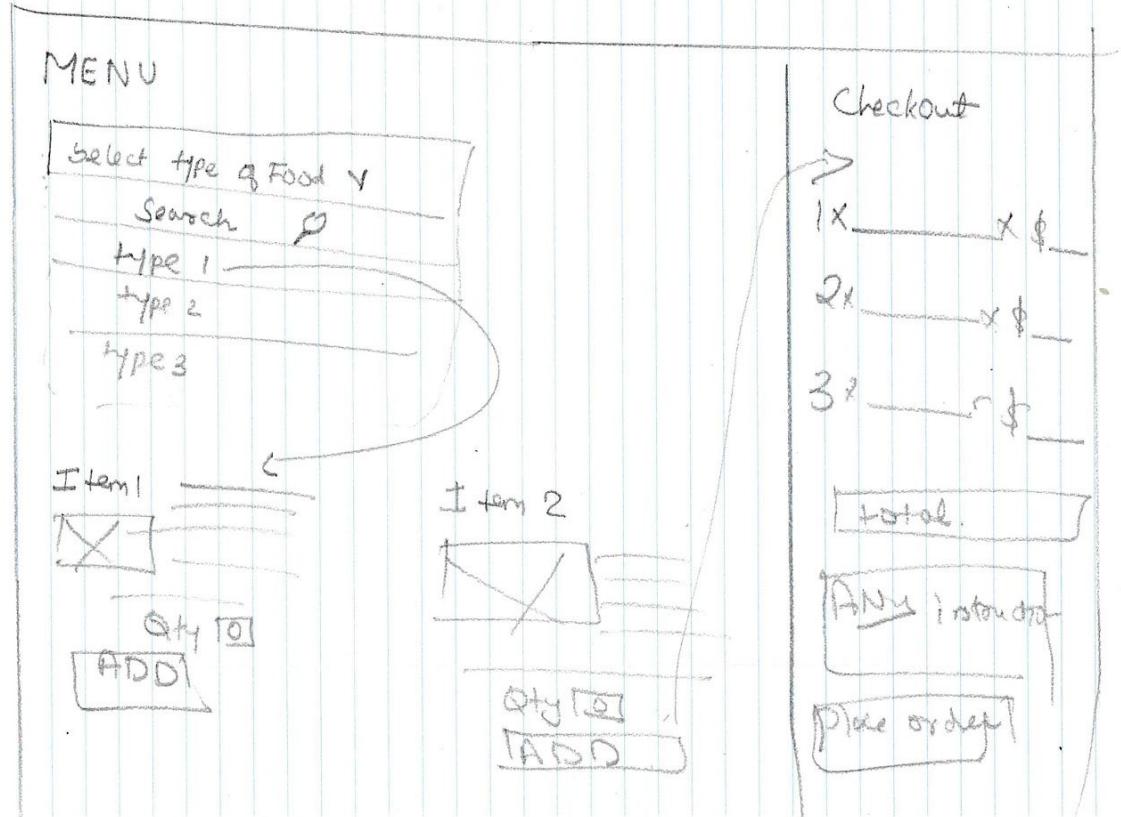


Item 4



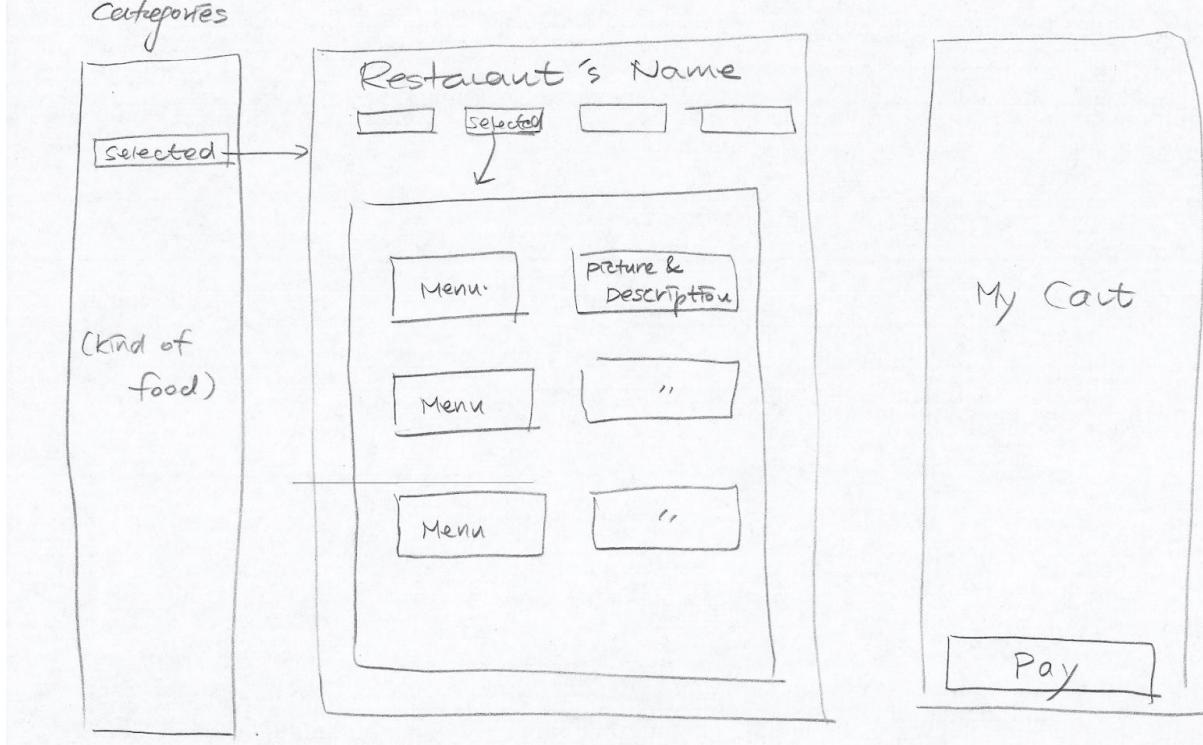
Qty

⑩



Sangmin's Sketches

①



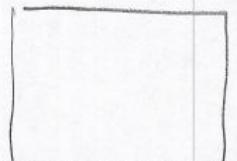
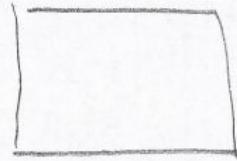
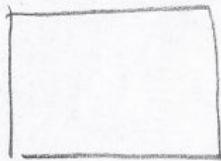
②



Hello! "Name"

Address

frequently visited Restaurants



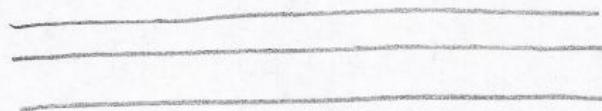
Search

Sort

Categories

My
order

Near By Restaurants

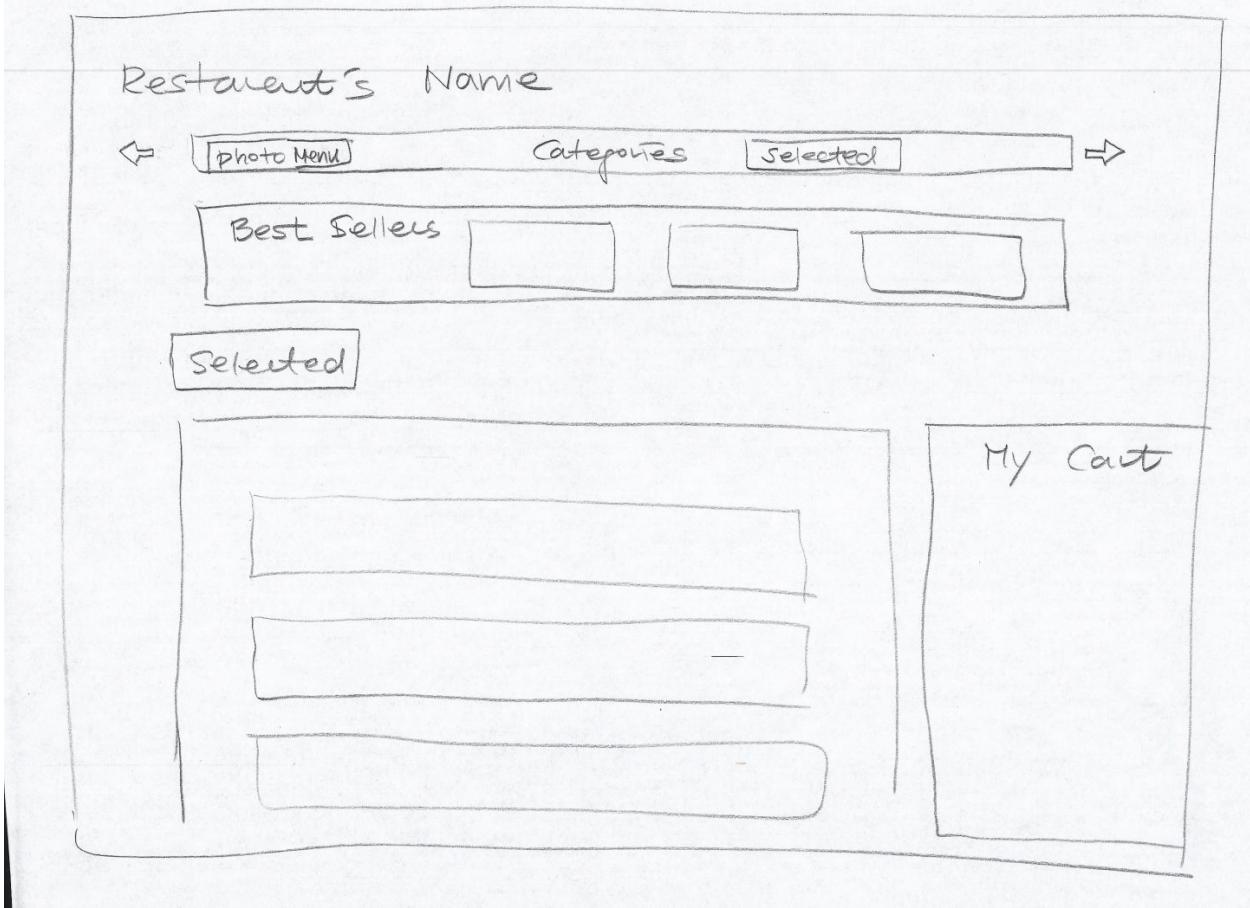


Delivery

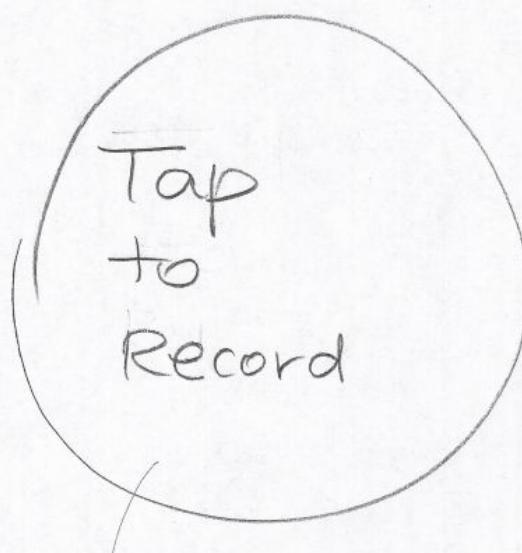
Home

Pick up

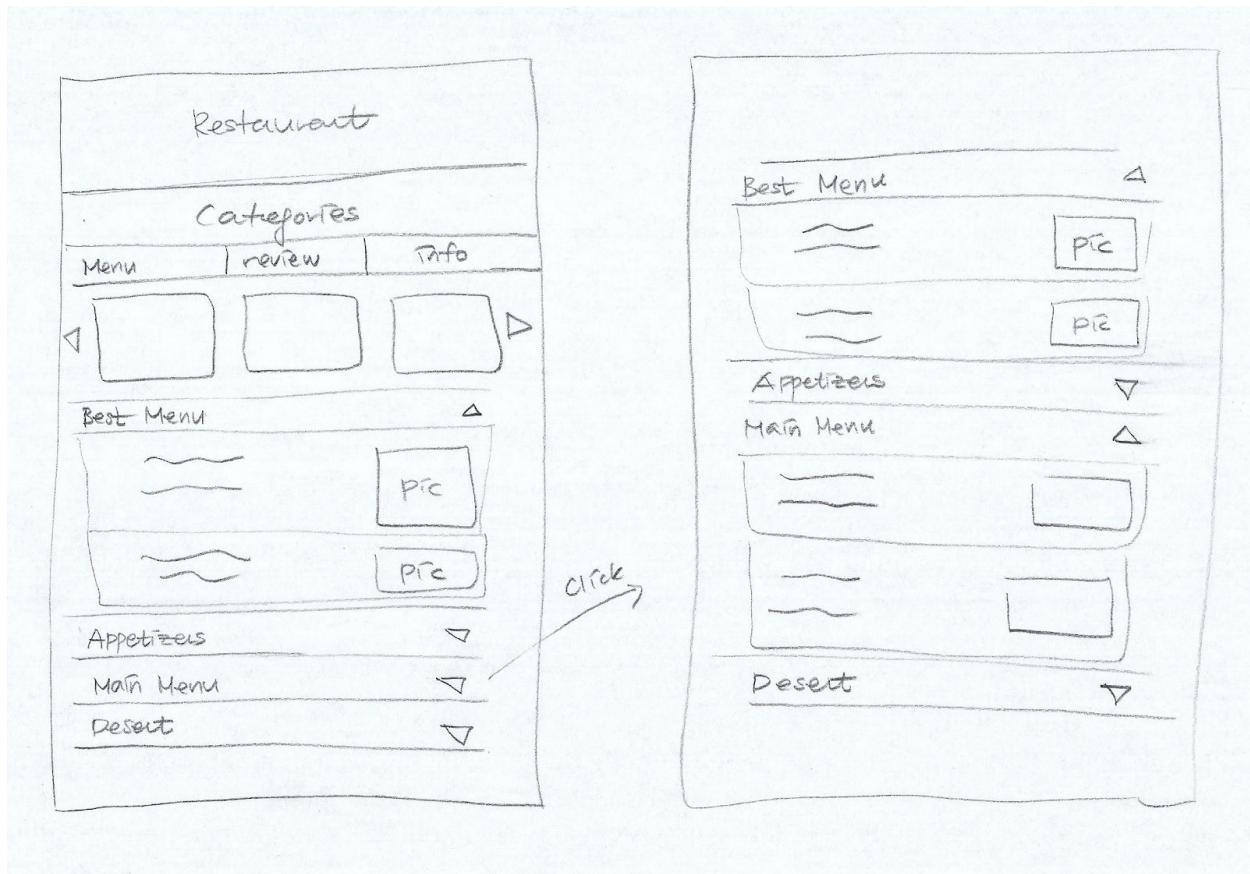
(3)



(4)



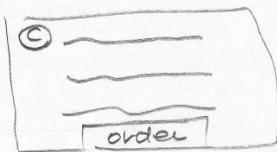
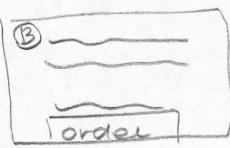
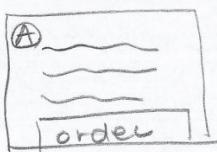
(record your order and send it
to the restaurant directly,
then restaurant will confirm the order,
you pay)



(6)

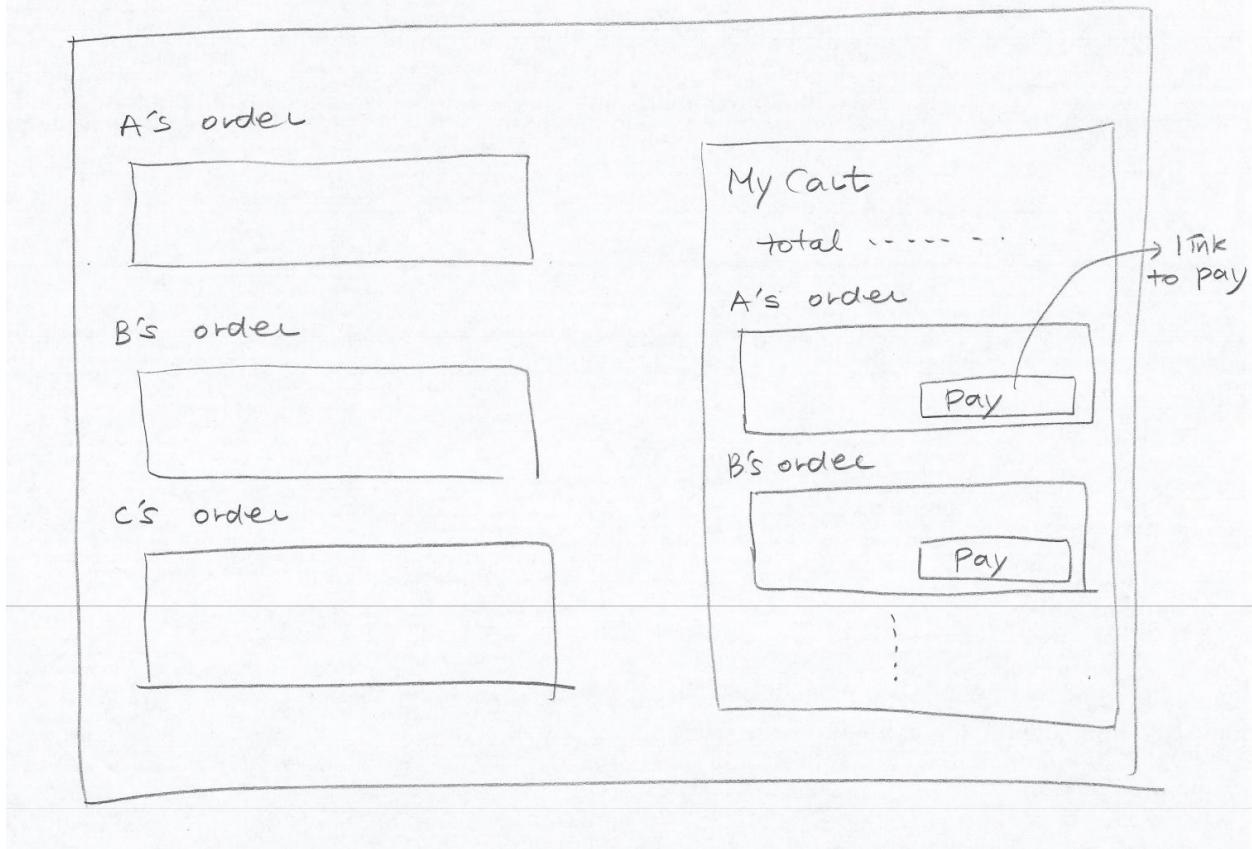
Restaurant Name

Your Sets



(You can pre-set your sets (combination of foods)
then you can easily order it in the future)

⑦ (for splitting orders)

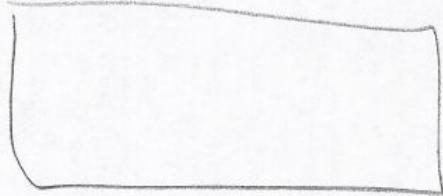
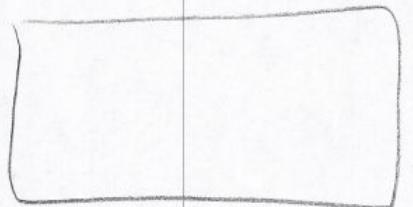
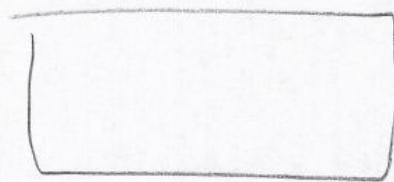


⑧



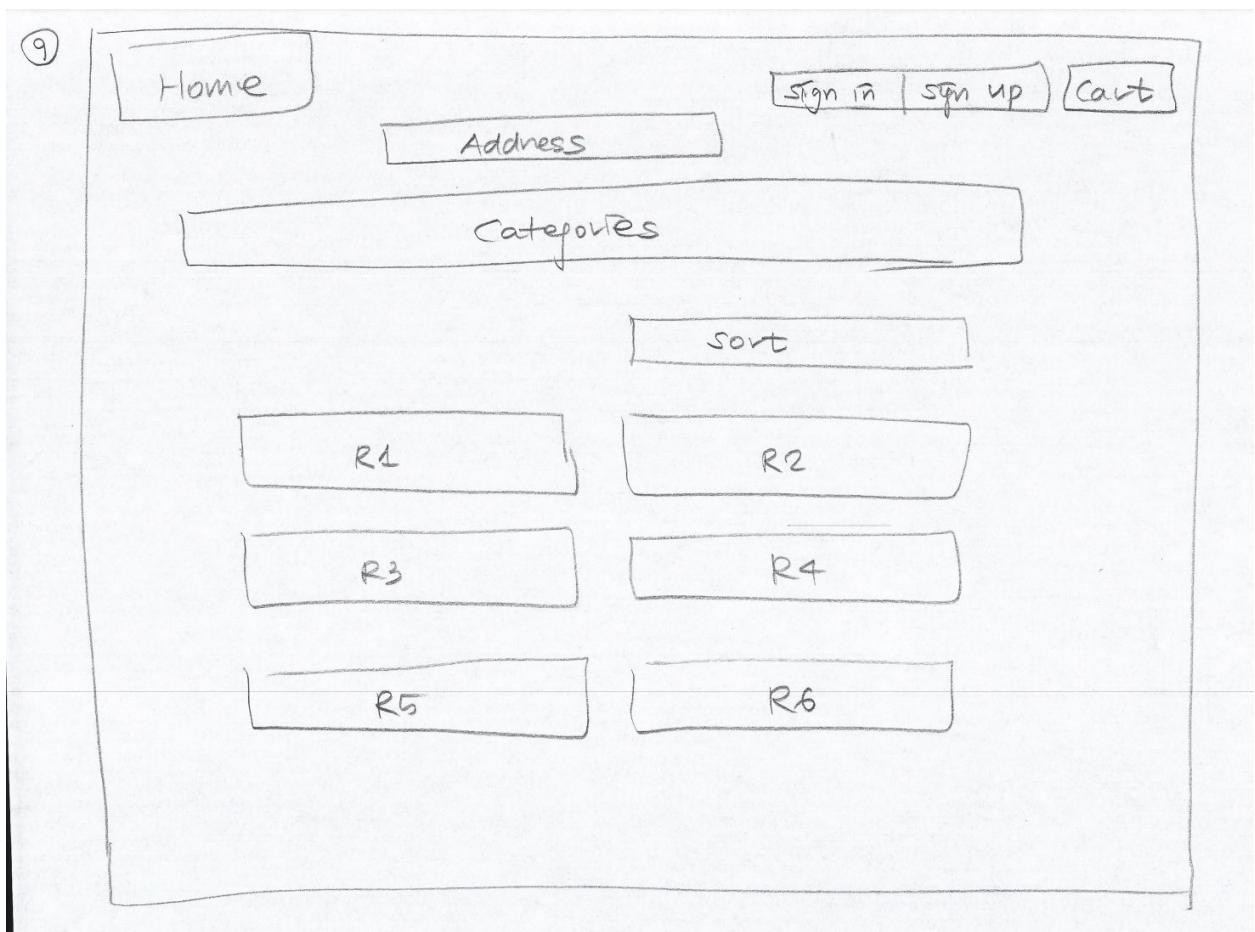
Hello "Name"!

Ready to serve now?

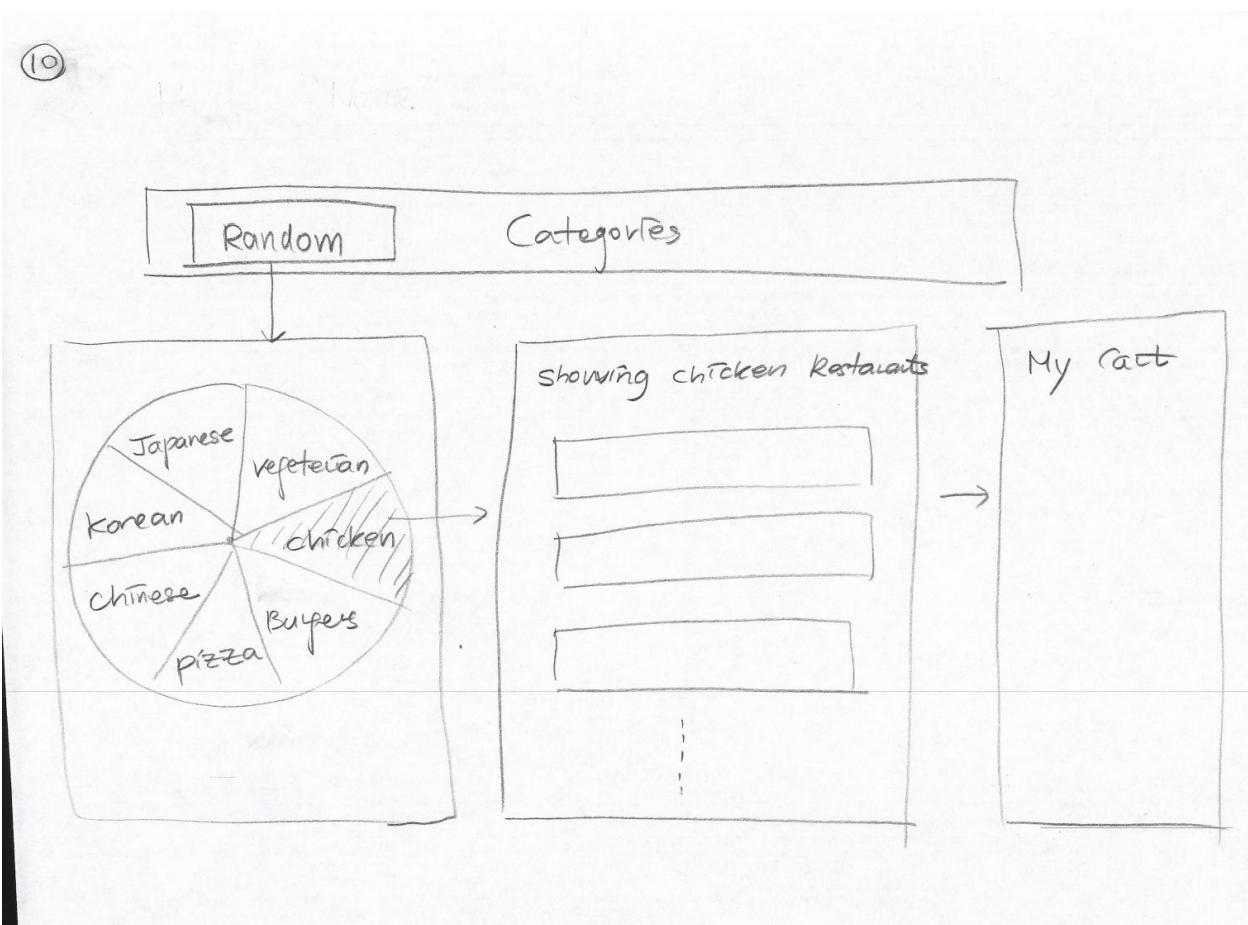


↳ (Those restaurants can make and
deliver the food in 15 mins)

⑨



(10)



Dylan's Sketches



Deliver to XXX

Map

Search

Dish ▾ Price ▾ Distance ▾ Other ▾

Photo	Name of the restaurant ★ 4.5 # of comments. Address \$\$\$

Search

Map Mode

Price

0 20 60 \$200

Sort by

Relevance

Distance

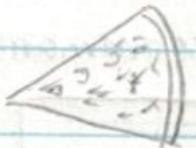
0 20km 50km

Customer Review

Price

Burger

Photo



Pizza

Name of the restaurant

★ 3.8

Ramen

Sushi



Hotpot

Vegetarian

French

BBQ

Chicken

Winnipeg v Search

System
Recommandation

Top 10
Review in
Winnipeg

Most
Popular
this week

Top 20
with best
service

Top 10
with best
taste

Great
discount
today

View More

Address

Search

Chicken

Burger

Pizza

Halal

Chinese

Sandwich

Noodles

Steak

...

...

Review ✓ Price ✓ Open Hours ✓

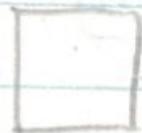
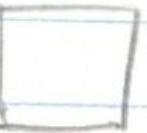
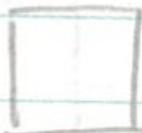
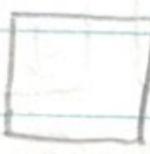
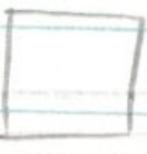
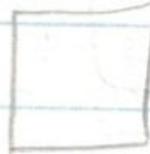
Sort ⚡

Photo1

Photo2

+17

Name of the Restaurant ★4.8
\$\$ 8am - 9pm



Hilroy



Picture

Name of the restaurant

★4.3

[view comments]

[est. delivery time]

Top rated

[photo]

Name of the dish

[+ Add]

192 people liked

\$10.99

Signature

XXX

XXX

XXX

XXX



[+ Add]

\$



Vieu

My

Cart



Most popular dishes

My Orders

#1 Name

photo

\$14.99

⊕

#2 —

\$8.99

⊕

#3 —

\$

⊕

#4 —

\$

⊕

#5

\$

Category A

Category B

C

D

E

F

G

photo

\$

⊕

\$

⊕

\$

⊕

\$

⊕

\$

⊕

\$

⊕

[Back](#)

[Proceed to checkout](#)

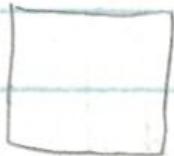
View Your Orders



Name

X1 \$9.99

\$9.99



Name

X2 \$17.98

\$8.99

Subtotal

\$27.97

Tax

\$

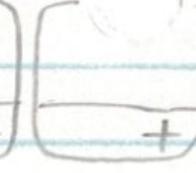
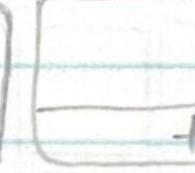
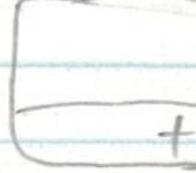
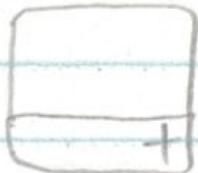
Delivery Fee

\$

Total

\$

Other You Might Be Interested





Reviews

+ More

Item	price	unit	total
XXX	\$	1	\$
XXX	\$	4	\$
XXX	\$	2	\$
XXX	\$	1	\$

subtotal

tax

total

Checkout



Name of the restaurant

★3.8

est. delivery time

photo

Most popular

Name

Price

Category X

Name

Price

Category Y

K

Picture

Name of the restaurant

★4.3

[view comments]

[est. delivery time]

Top rated

[photo]

Name of the dish

[+ Add]

192 people liked

\$10.99

Signature

XXX

XXX

XXX

XXX



[+ Add]

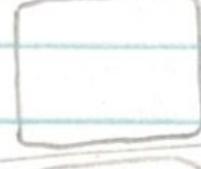
\$



Vieu

My

Cart



GROUP 7

Home | Table Reservation | Menu & Order Now

Book my table.

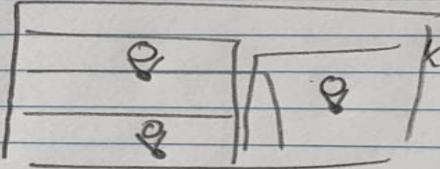
Last Name :

E-mail :

Date : / Time :

Number of people (maximum 8) :

Location : ✓



Special instruction :

[Book Table]

[Need help? ⓘ]

ADMIN / Manager

TFAD



ADD
Item

Remove
Item

Update
Item

ADD ITEM

choose Category :

Item Name :

Item Image :

Item description :

Item Nutritional Facts :

Item price :

Save !

(X) GROUP 7

Home | Menu | About Us | feedback

Feedback

Name : (optional) _____

Email : (optional) _____

Age * _____ ✓

Is this your first to Group 7 website ?

- Yes
- No

Were you able to find what you needed ?

- Yes
- No

If you did not what you needed tell us something ?

Food Quality

- Excellent
- Good
- Average
- dissatisfy

Do you receive delivery on time ?

- Yes