

Assignment Two: Part Two

Prototype and Test Report

User Centred Design | Assignment 2 part two

2 June 2019

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Introduction

EATZY is software that runs on IOS devices. It can provide users with excellent restaurant information, including addresses, menus, feedback. Users can use devices such as mobile phones at home to buy food, or they can book restaurants through the APP, and EZTZY offers recipes and instructional videos to users. This App is easy to operate and easy to use and is suitable for all user groups

Link to the Invision App Project

<https://projects.invisionapp.com/prototype/cjwdoeagr00643z018t0cpu2g/play>

User test

In Class Test		
Date: 29 May 2019	Time: 19:30 pm	Facilitator: Zhiwei Hou
Task 1	In book the table interface, when the user selects the restaurant they are interested in and completes the reservation, the system will display user's order information	
Observations:	The user was pleased with the setting of the book on the table, and when he found out he could book a restaurant, he said it was a very interesting and useful feature. The user spent two minutes testing the book's tabular features, and he found that after displaying the restaurant information, the "Done" key returned to the home page should be placed in a more visible location, such as the center of the page, rather than on the left. Because some people use their mobile phones for the right hand, if you put the ' done ' button on the left, it will cause them a certain degree of inconvenience	
Improvement	We put the 'Done' key to the middle of the screen and change to another color	
Task 2	Users must fill in detailed personal information and contact details when booking a restaurant	
Observations:	Users in the test of this feature, feel that personal information should be placed alone on a page, he felt that this allows users to better fill in their own information, and to a certain extent to make the APP more efficient	
Improvement	Place user information separately on one page	
Conclusion:	The problem found when users test prototype is that the location of the user interface keys is unreasonable, too small size makes it difficult for users to notice them, it is useful that he feels that personal information and restaurant information should be placed on separate pages	

User Test 1 (Target User)

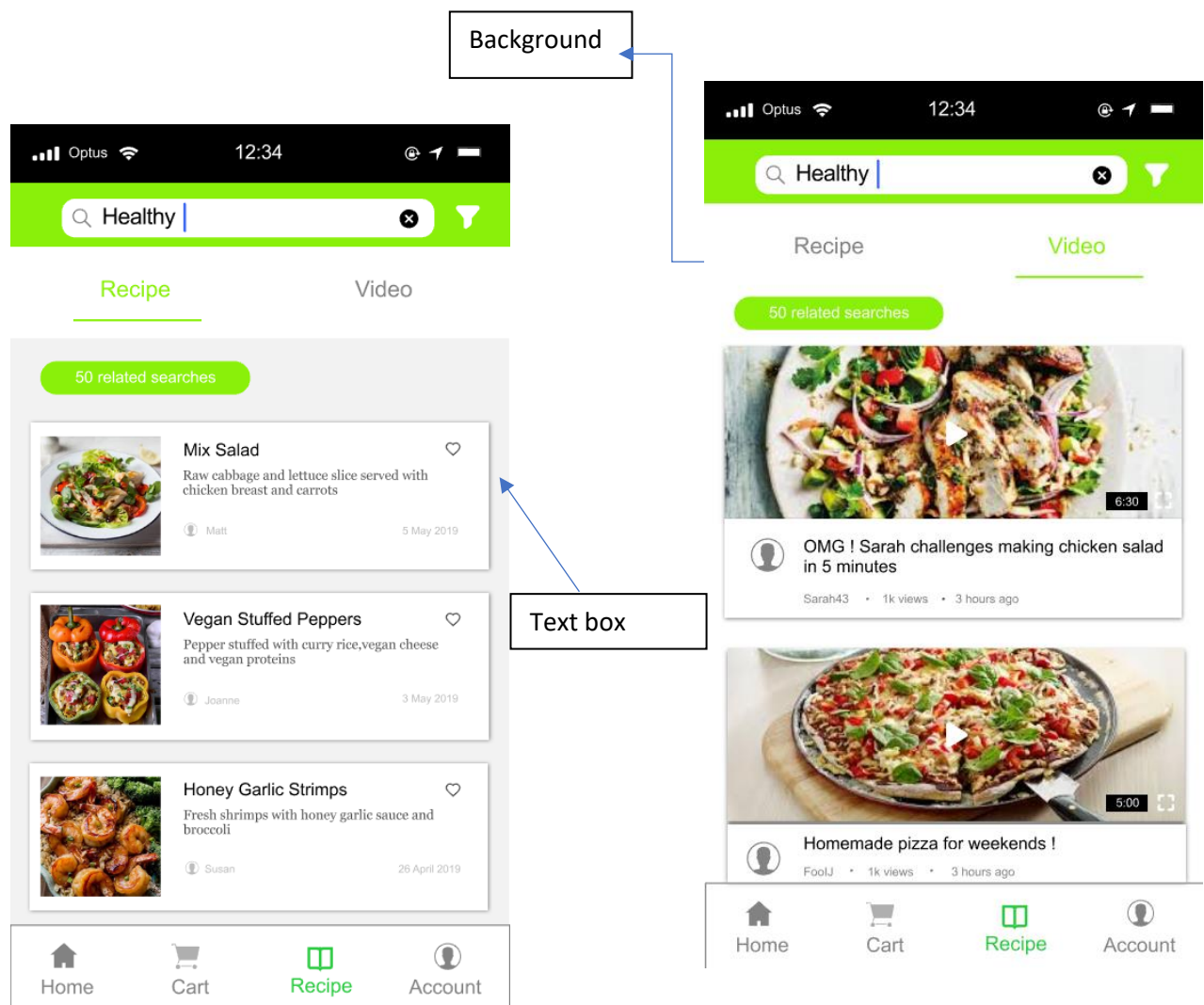
Date: 31 May 2019	Time: 12:30pm	Facilitator: Anson Go
Task 1	Start at the login page and use search bar to find healthy recipe and click on the details. You are satisfied with the recipe and decided to save it to "Favourite" section	
Observations:	User uses 1 minute and a half to complete the task which I find very effective. In the process, user finds it hard to notice the back button as the color of the back button is white and does not stand out when locate in an area associated with image. Besides that, user seems to be unaware that there is actually another method of saving the recipe by clicking on the option button at the top right of the image of the food above the recipe details. After this task is complete, user states that he is actually very satisfied with the design of the recipe main page and the way we display our recipe is clear and simple. However, he is concerned that when he searches for healthy recipe, how the system actually sort the relevant searches.	
Improvement	We intend to make the buttons that are located in the images clearer by adding a colored box to it or change it to black color. Besides that, we will also add a filter menu to sort out how the searches will be displayed.	
Task 2	Use filter to find video about healthy recipe and put it on full screen and back to normal screen.	
Observation	User uses less than one minute to carry out this task as he feels more familiar with our app. In this part of testing, it posts the same button color problem but the user manages to complete the task in one try as the buttons are located in their logical area. After the testing, the user states that he likes the design and method of displaying the searches of relevant video. He also gives opinion that after clicking the play button of the video, it should move to a screen that only displays the video that is playing.	
Improvement	We intend to make the buttons that are located in the images clearer by adding a color box to it or change it to black color.	
Conclusion	The main problem is the display of certain buttons in certain area are not very clear due to background colors. Besides that, I find one of the user's opinion interesting is which the system should indicate how it sorts the recipe searches.	

User Test 2 (Target user)		
Date:May 31 2019	Time:16:43	Facilitator:Torby
Task 1	Start at the login page then tap into a restaurant for food and use the delivery function.	
Observations:	User took about 3 mins to finish the task. In the process, user can easily find out what those function do , the menu bar at the bottom can change functions efficiently. User also found that the color of background is not suitable enough, some page can not see the 'back' button and 'share' button. In the payment page, user saved a payment method, after placed an order, user check his order in order page and trace the delivery as well. After this task is complete, user rate this function 4 starts (total 5)	
Task 2	Start from login page then use the book table function.	
Observations:	User uses about 4 mins to finish this task. Most of time was used at filling the detail of booking. User seems not like the booking page style and said it is a little bit complex to book table. According to most of the pages of the app, booking pages are too weird between them. User said it was like a very old computer system display, it should be more fashion and use bright color. Also, user want to try another booking and found that he have to fill all the personal information again, it is not convenient enough for user.	
Conclusion	From all of the feedbacks, we have a good rating but still need to improve more. The main problem is the fluency and convenience of this app, like the problem in task 2, there should be more efficient to help user done booking.	
Improvement	<p>First, compare every single button or background color to adjust the color of them, it should have high contrast ratio.</p> <p>Second, change the page style of booking pages, make them meet the aesthetic requirements of fashion.</p>	

	Last one is the problem of user information saving, we can add it at account detail.
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Patterns Usage

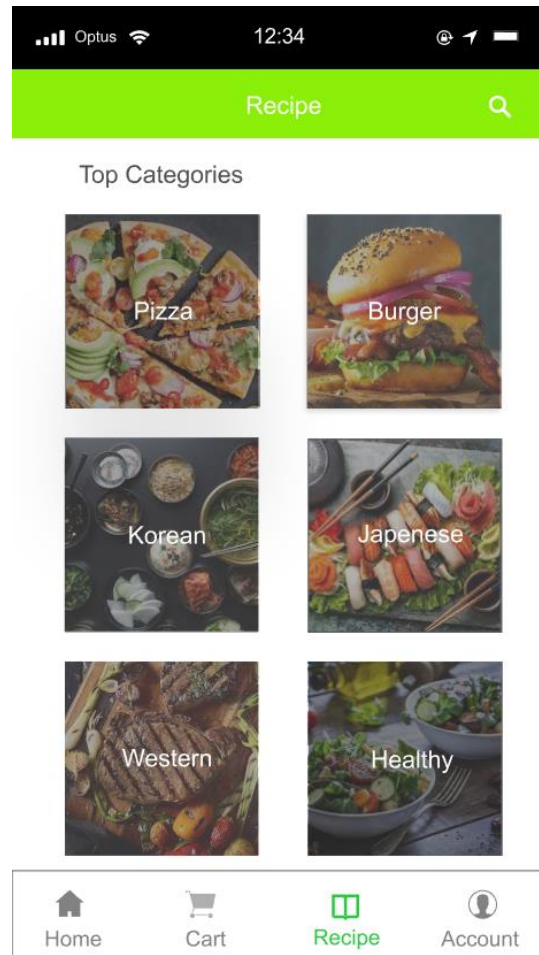
White background color and text box



We are using white color or you can say no color for background and textbox so that the overall design look simple and clean. By following visibility and visual feedback of design principles, we think that white color serves as the best color in order to contrast pictures and text description. By using black text, we hope to lead user to focus more on the text that are relatively important than what is behind it.

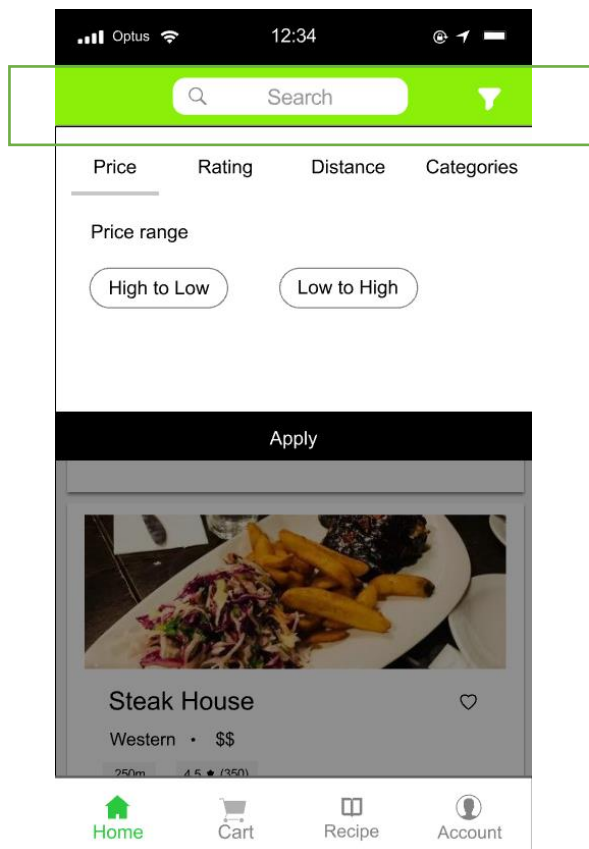
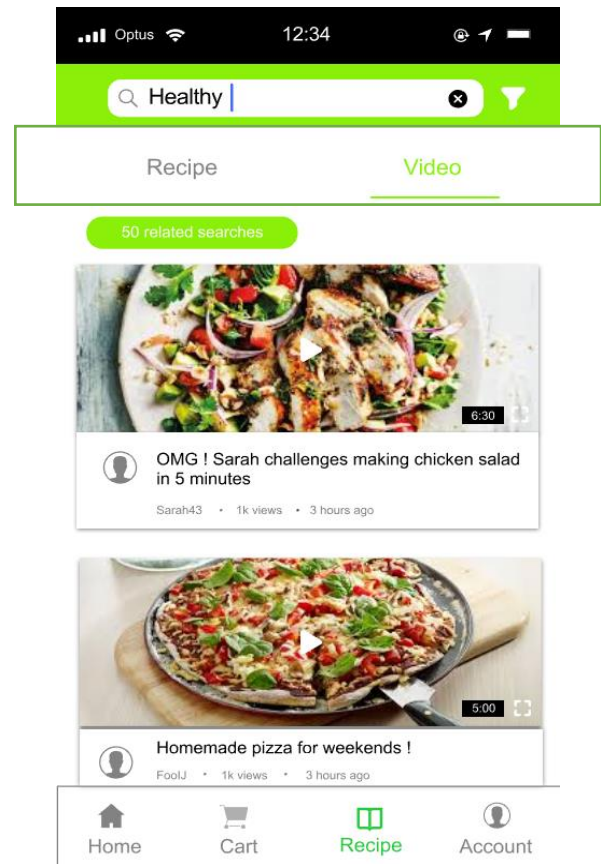
Thumbnail and Text list

Though not in the form of vertical list, the selection menu when choosing a food categories use thumbnail and text to support user's choice when selecting a food categories in the search function. Each food categories option uses a relevant picture to the food complement to the user's choice.

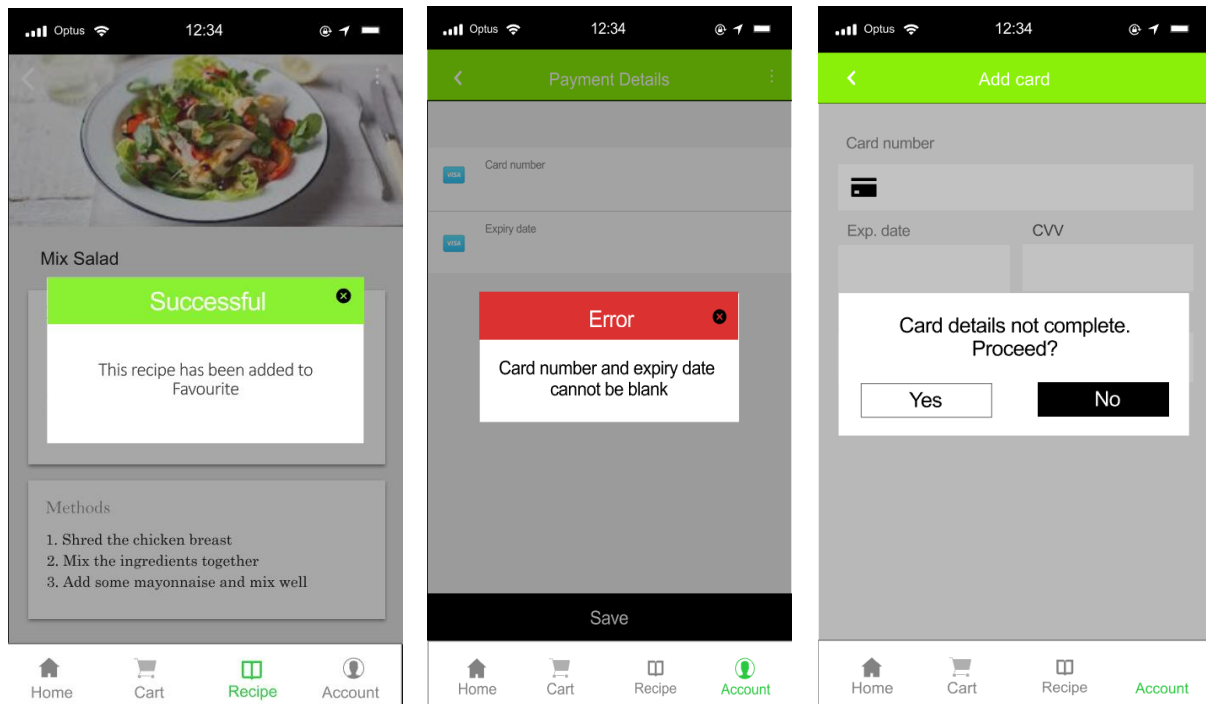


Row box

When there is more than one function, the functions are aligned in a row and the color of the heading is changed and underlined to tell users which functions they are currently. We use recognition rather than recall from Nielsen's Principle where functions of the same type are visible and easily identified to the users at a time so users do not need to remember all the functions.



Color Recognition



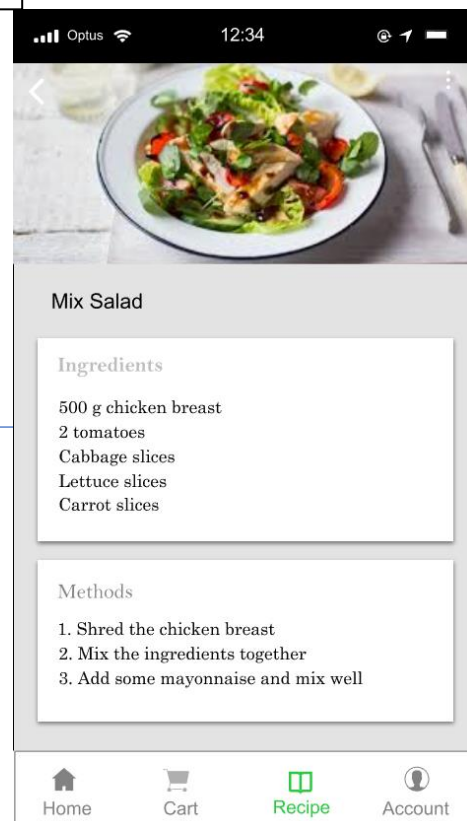
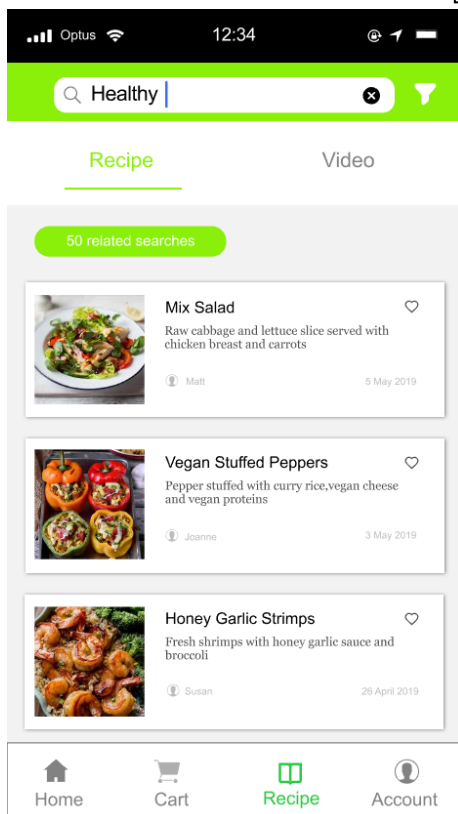
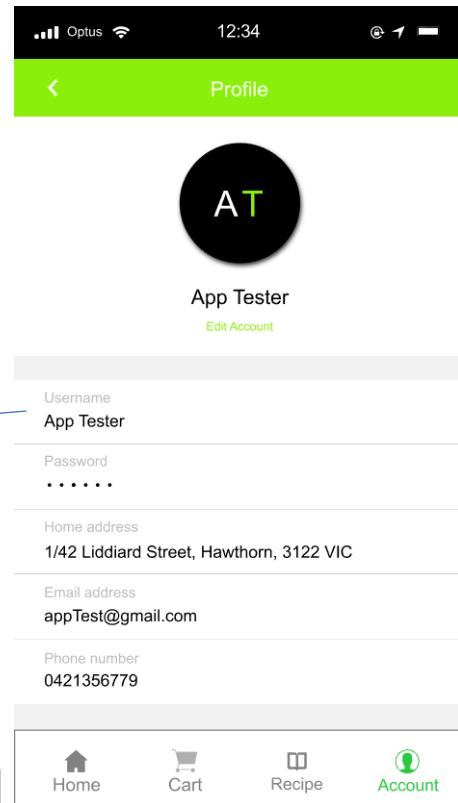
We are using different color in displaying different messages. We practice Nielsen's principle match between system and real world in choosing the color of correct and error message. It is obvious that when users see a green pop up system message, they do not need to read the content of the message to know that they are on the right path by just judging the color, while seeing red message indicates the users commit some errors. The third screen display a confirmation message to prevent users from committing irreversible errors. The system message are all displayed at the center of the screen while the background darkens which forces the users to focus on the message and read what the system wants to tell to prevent further errors. This design indicates opacity by contrasting the color of message and background.

Text Design

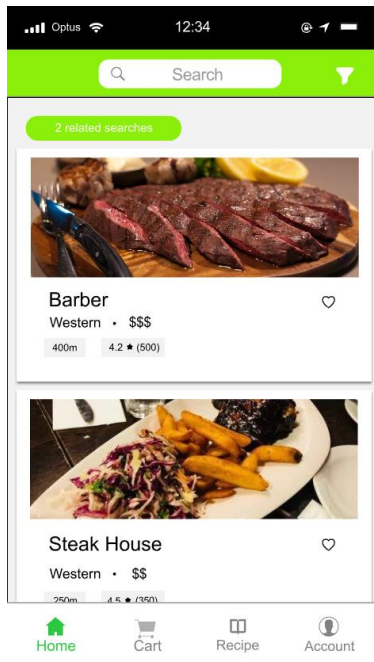
When we design our app, we consider ourselves as users and think what they might want to see first to achieve their task in the most effective ways without going through unnecessary content. By following the typeface of visibility and visual feedback, larger and bold text indicates more important details which users might want to read first.

Personal details text are larger and darker to increase visibility. The title of personal details field are smaller and lighter as the text is shorter and users can judge its meaning by just seeing the first few alphabets while personal details need to be read clearly

More important details are larger and darker for easier and more efficient reading.



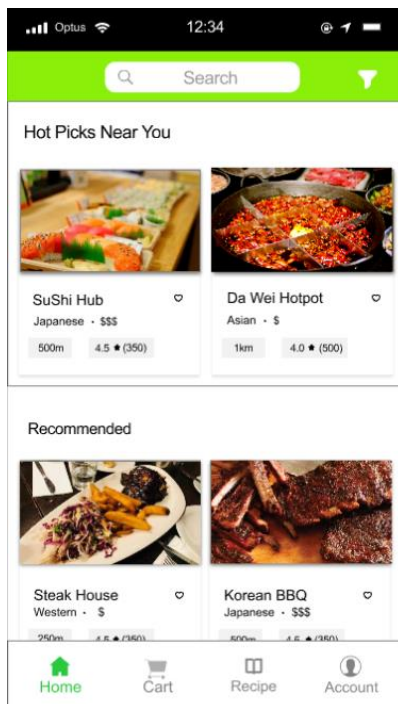
Minimalist and aesthetic design



This screen is showing the relevant search of the user input. As you can see, we do not put too much information in one screen container and users might need to scroll down to see more. By showing maximum two restaurant in one container, we believe that users are able to make decisions more quickly from a pool of wanted information by limiting the information that comes to sight according to Hicks Law. Besides that, we place two of the boxes close to each other so users can click on their ideal restaurant faster and easier according to Fitt's Law.

Small spaces between two boxes.(Fitts's Law)

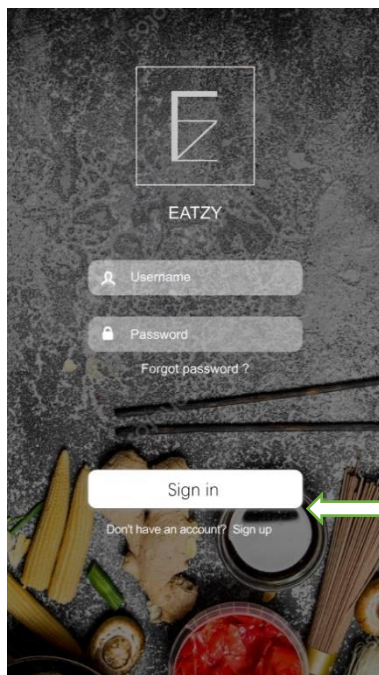
Lower column navigation



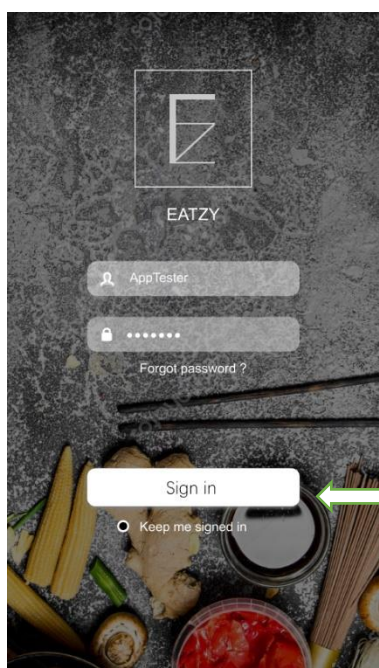
In this food hunt app, users can use the navigation bar at the bottom of the screen to seamlessly place it on the app's home page, shopping cart page, recipe page, and Account page, and users don't have to return to the main menu each time. Make it easy for users to browse apps and help them understand apps.

Design Amendments

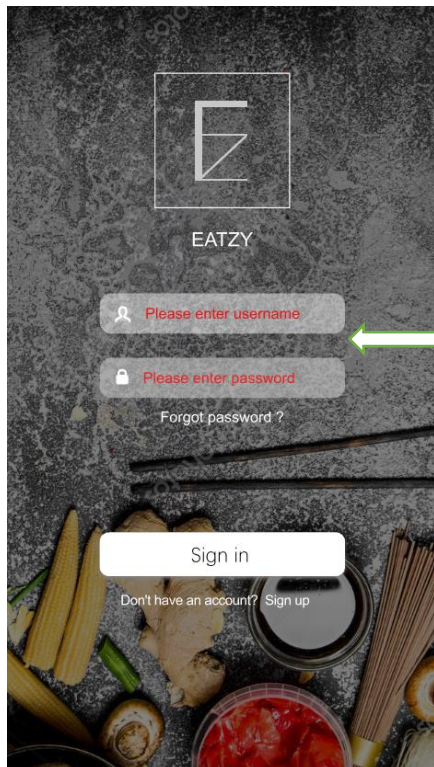
Login screen



Users can choose to sign in or sign up when the app is first downloaded.

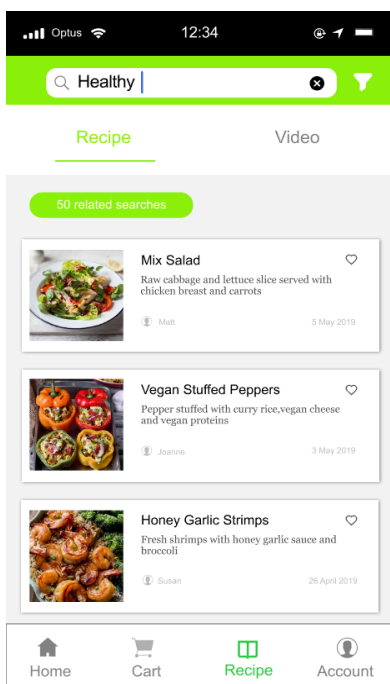


The system automatically keep the users sign In their account after they create their account so they do not need to go through this page every time they open the app. However, they can cancel that order too.

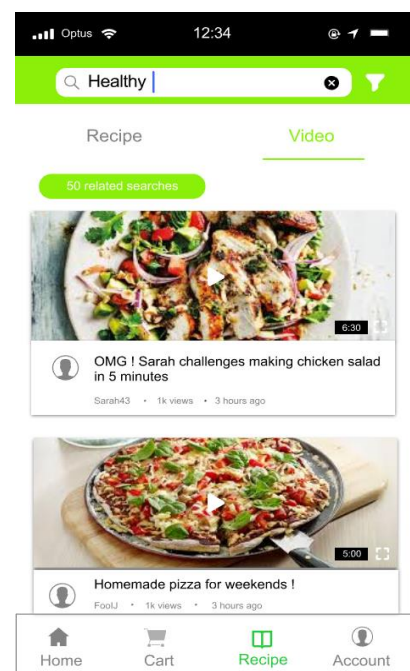


Appropriate error message will be displayed
If users commit errors such as using invalid
username or password, log in without
username or password.

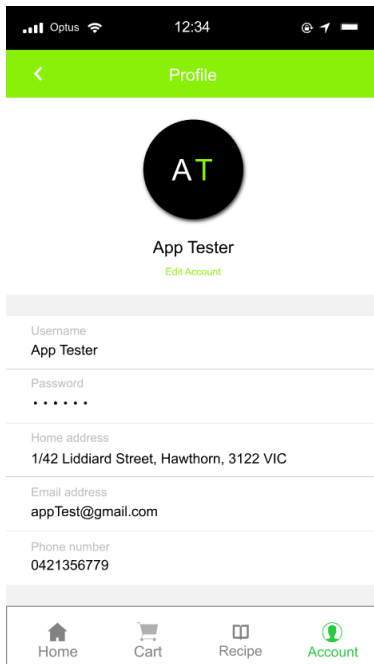
Recipe



The recipe and video function is
separated for simpler visual effect



Profile

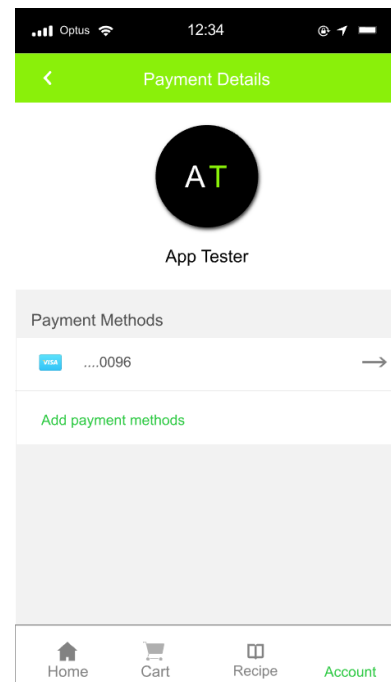


A screenshot of a mobile application's 'Profile' screen. At the top, a black status bar shows 'Optus' and '12:34'. Below it is a green header bar with a back arrow and the word 'Profile'. The main content area features a circular profile picture with the initials 'AT' in green. Below the picture, the name 'App Tester' is displayed, followed by a green link 'Edit Account'. A list of personal details follows: 'Username: App Tester', 'Password:', 'Home address: 1/42 Liddiard Street, Hawthorn, 3122 VIC', 'Email address: appTest@gmail.com', and 'Phone number: 0421356779'. At the bottom is a navigation bar with four icons: 'Home', 'Cart', 'Recipe', and 'Account' (which is highlighted in green).

Users are able to view their complete personal information to check for mistakes.

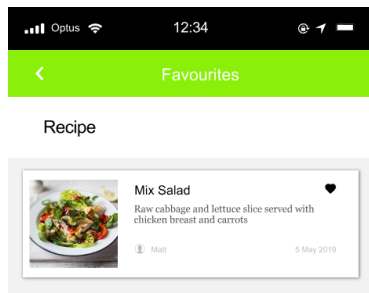
Payment Details

User can view or change the payment methods and details.



A screenshot of a mobile application's 'Payment Details' screen. At the top, a black status bar shows 'Optus' and '12:34'. Below it is a green header bar with a back arrow and the words 'Payment Details'. The main content area features a circular profile picture with the initials 'AT' in green. Below the picture, the name 'App Tester' is displayed. A section titled 'Payment Methods' contains a single entry: a blue Visa logo followed by '....0096' and a right-pointing arrow. Below this entry is a green link 'Add payment methods'. The bottom of the screen has a navigation bar with four icons: 'Home', 'Cart', 'Recipe', and 'Account' (which is highlighted in green).

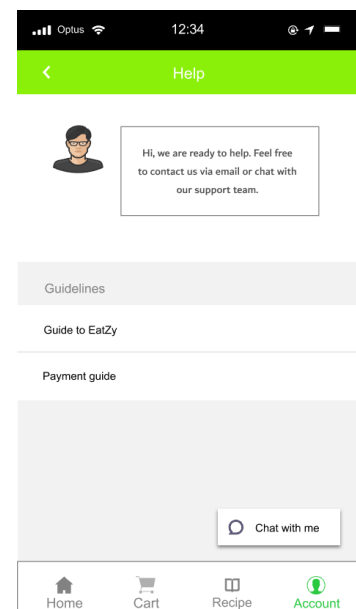
Favorite

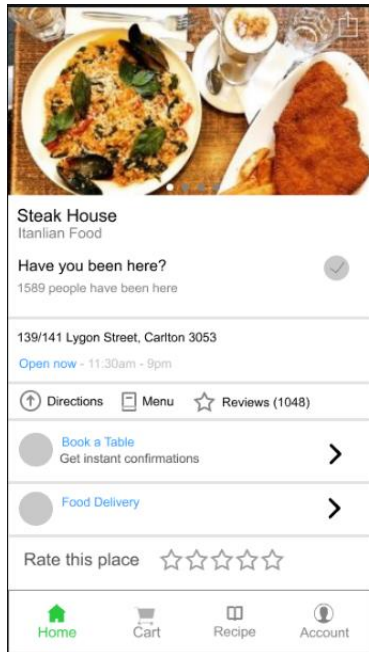


Items that are added to “ Favorite ” are store here.

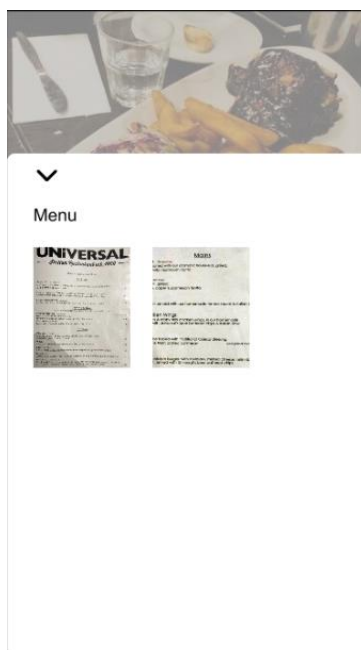
Help function

Some essential guide and information about how to use the app correctly are integrated in this function. Users can even chat with our support team so that they can come up with a solution in the meantime.





Menu

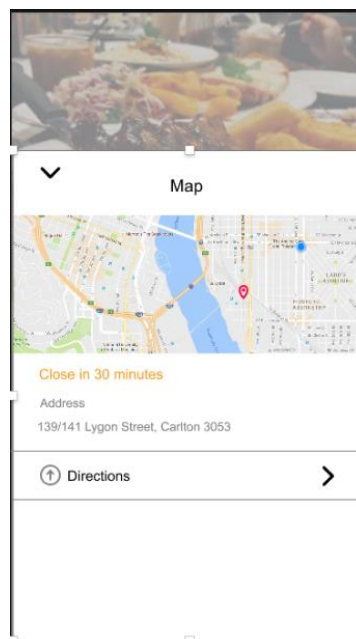


User can see the menu of their interested restaurant

Restaurant detail

Restaurant details include menu, location opening hours, and user's reviews

Map



Users can see the distance between themselves and the restaurant

Optus 12:34

<

First Name: Last Name:

Email:

+61

WHAT DATE? Friday

How many people? 1-2

What time? Lunch

Book the table

This feature helps users book their favorite restaurants in advance and avoid queuing

Reviews (51)

all reviews (51) my reviews

Reviews

5.0

Star Rating	Percentage
5 ★	100%
4 ★	0%
3 ★	0%
2 ★	0%
1 ★	0%

Leo Ko

ONE MONTH AGO

The pasta is average, the service is good as the food came really quick but here is a good place you will recommend to your friends

0 Likes, 0 Comments

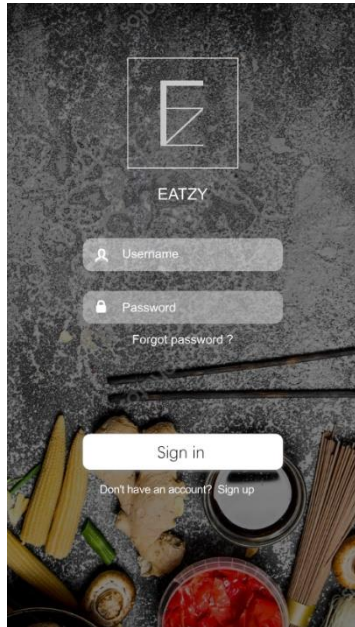
Like Comment Share

Star review

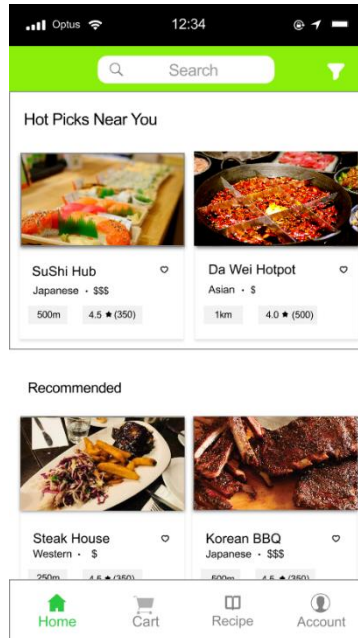
Users can learn more effectively about the restaurant's reputation, and star reviews can clearly help users save time reading text feedback compared to read text descriptions

Prototype screenshot

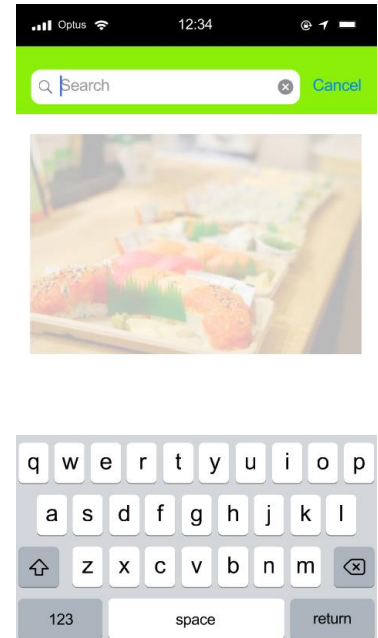
General



Login

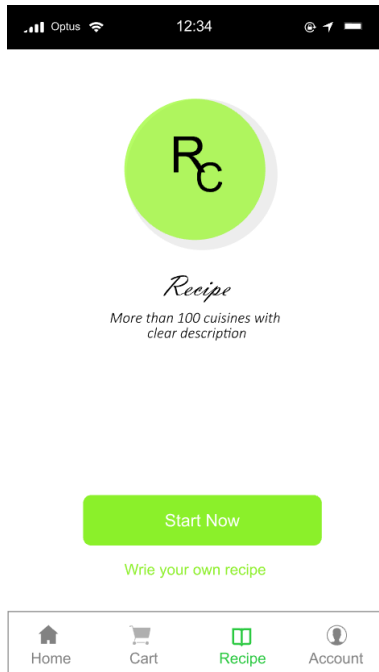


Home

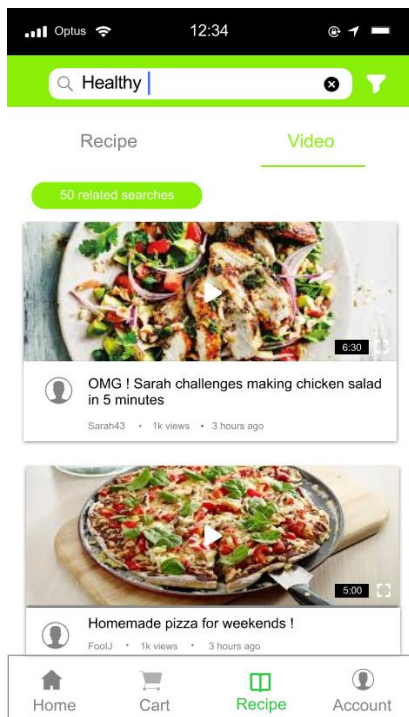


Search menu

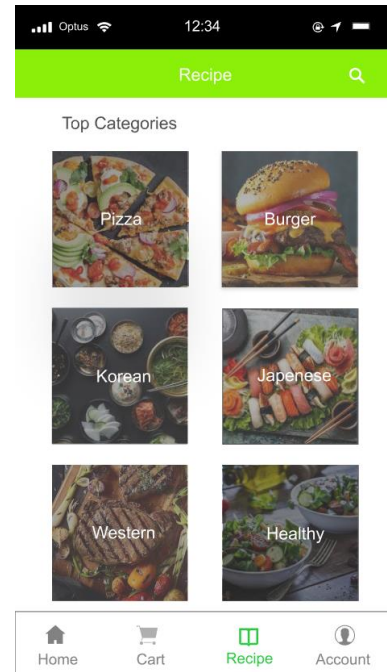
Recipe



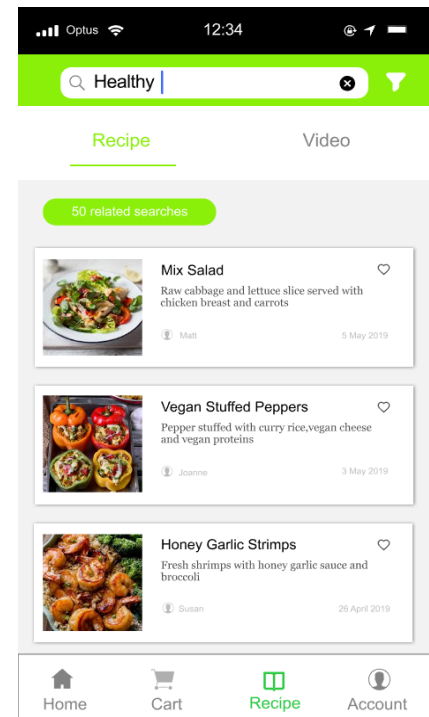
Main page enables user to search recipe and create their own recipe



Recipe of food categories



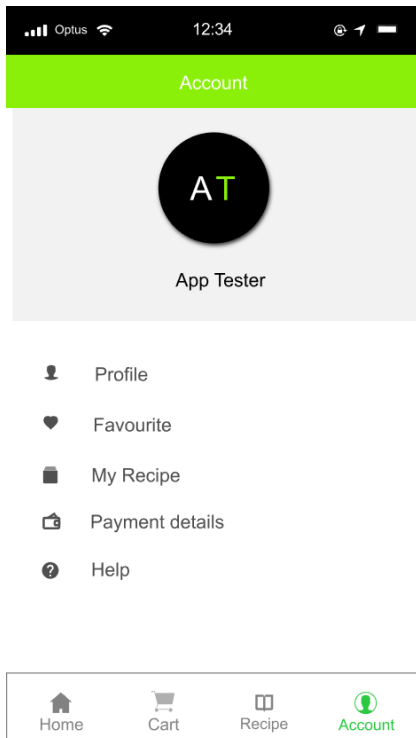
Search menu for recipe



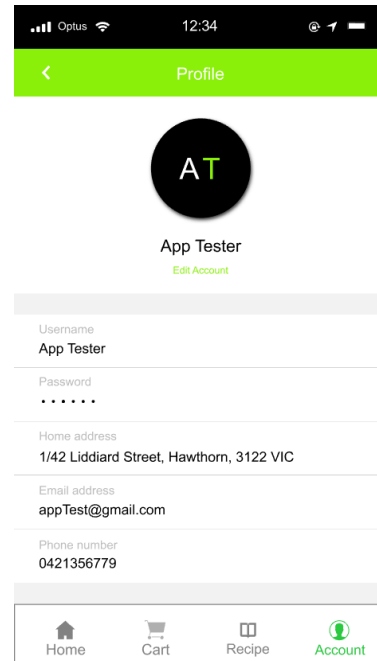
Video of relevant searches

Account

Profile

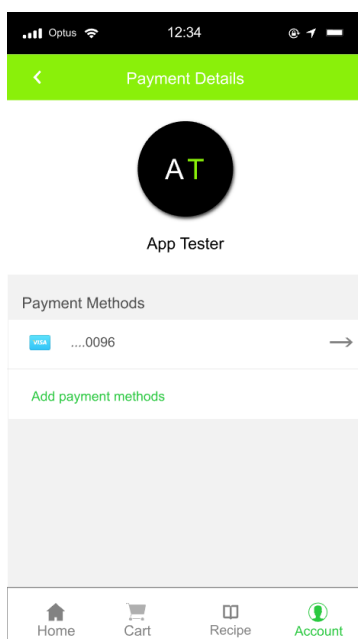


Main page

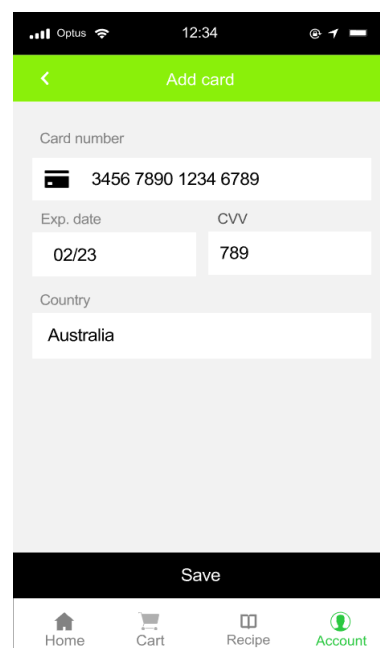


Profile view which shows personal

Payment details

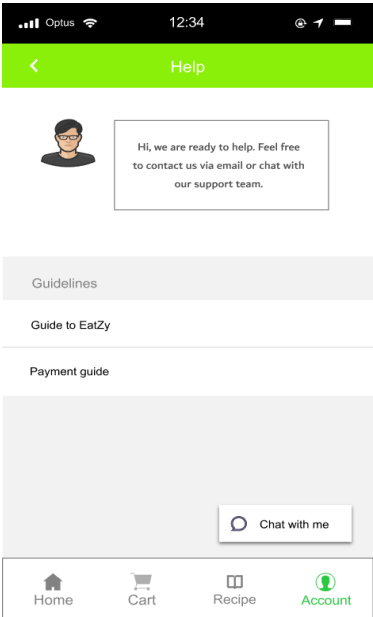


Default view showing current
payment methods

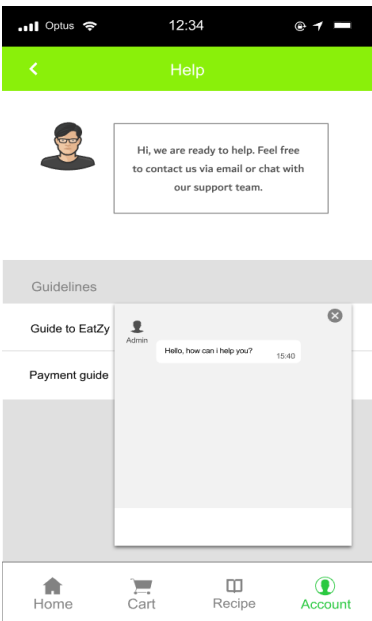


Insert card details

Help menu

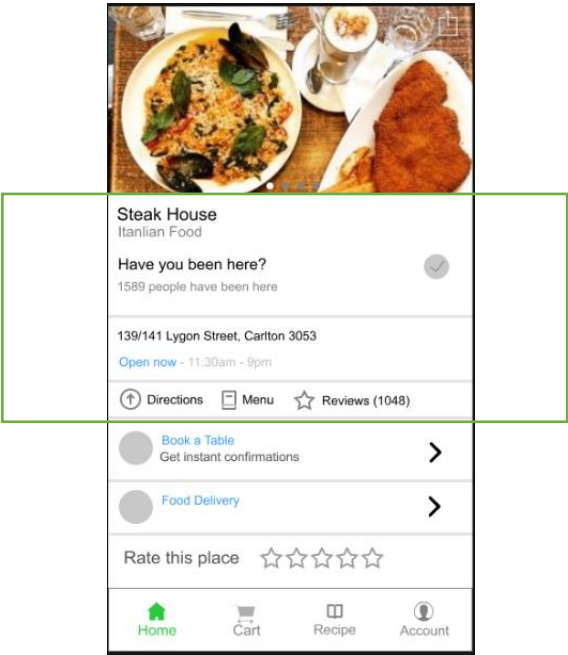


Default view

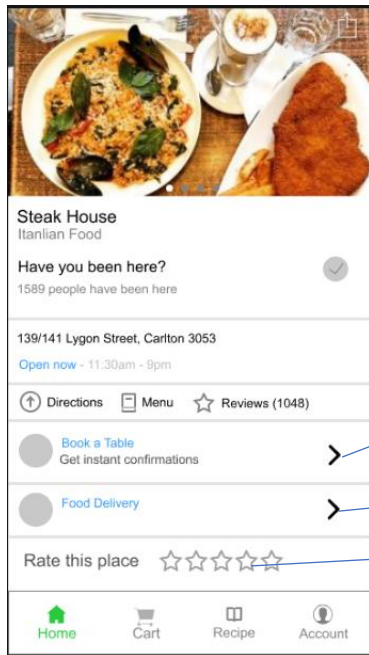


Messaging

Restaurant detail



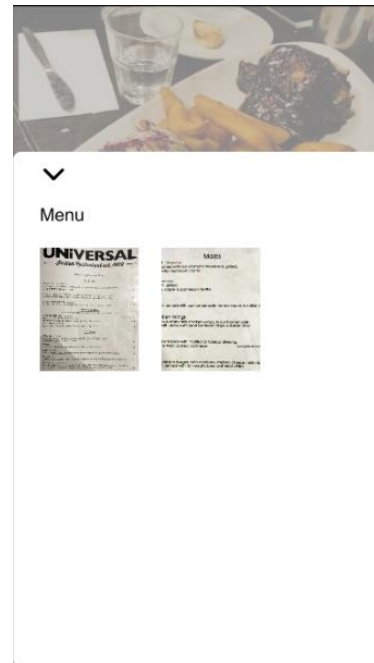
Restaurant details include menu, location opening hours, and user's reviews



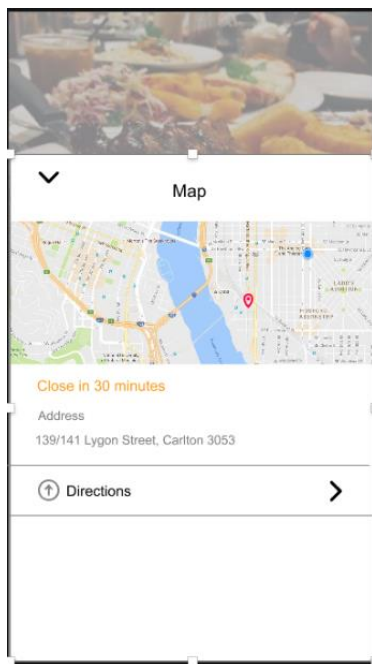
Book the table

Food delivery service

Rate restaurant



Restaurant's Menu



Map

Optus 12:34

First Name: Last Name:

Email:

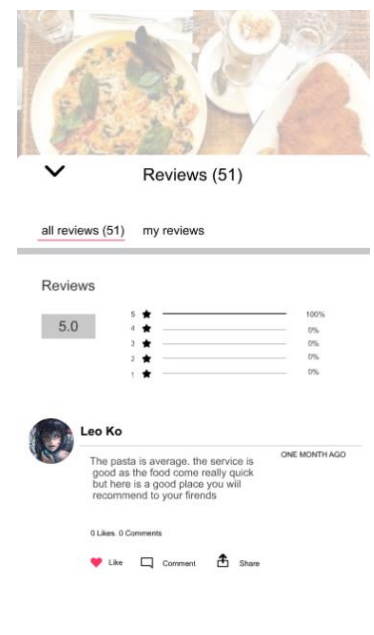
+61

WHAT DATE? Friday

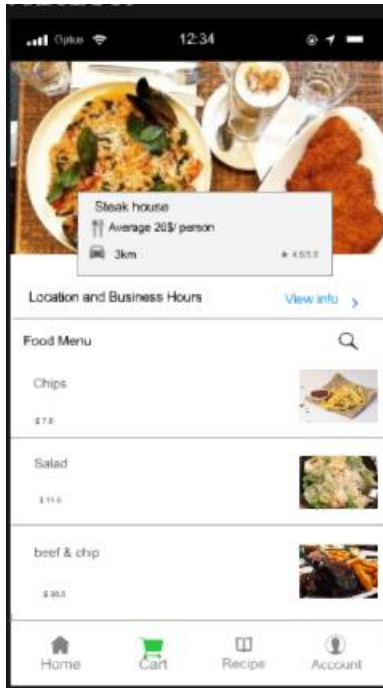
How many people? 1-2

What time? Lunch

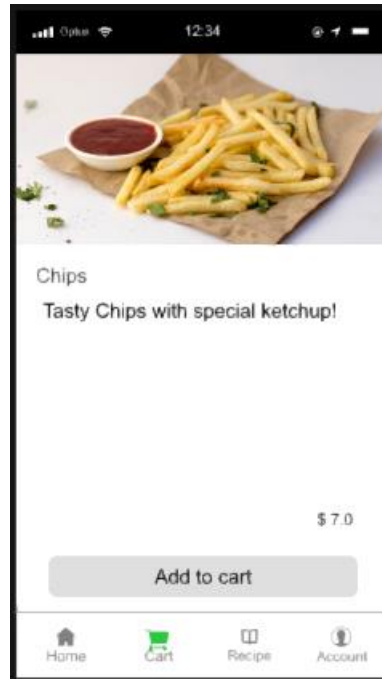
Book the table



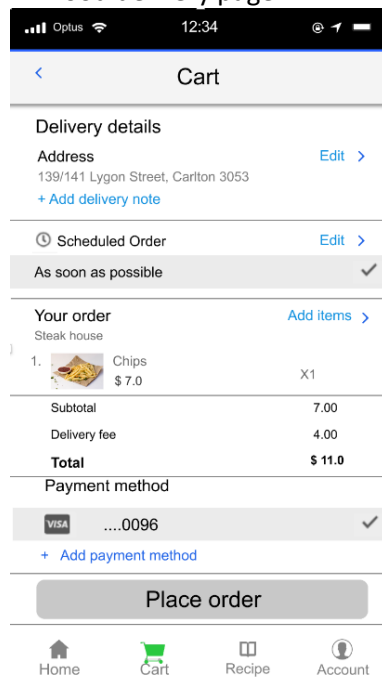
customer reviews



Food delivery page

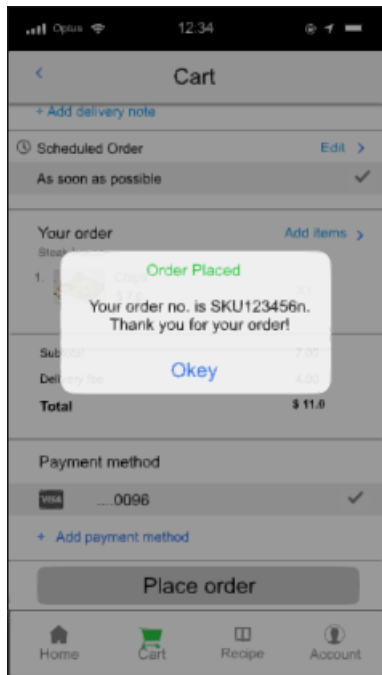


Food information

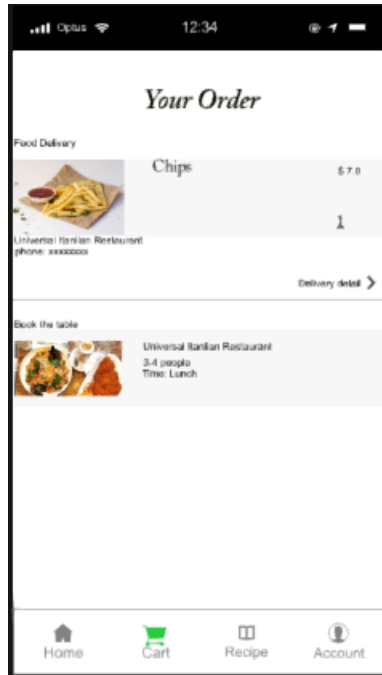


View of cart page

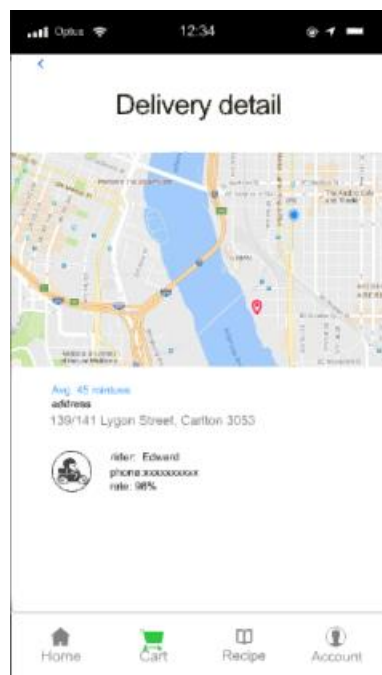
Which include payment method selection



Dialog will show after place an order



The Order page



View of delivery detail page.

Reference

Food pictures

Universal Italian Food Restaurant <https://www.zomato.com/melbourne/universal-restaurant-carlton/photos>

Sushi Hub <https://www.zomato.com/melbourne/sushi-hub-swanston-street-cbd-melbourne/photos>

Laneway Greens <https://www.zomato.com/melbourne/laneway-greens-flinders-lane-cbd-melbourne/photos>

David's Hot Pot <https://www.zomato.com/melbourne/davids-hot-pot-la-trobe-street-cbd-melbourne/photos>

<https://realfood.tesco.com/gallery/10-healthy-vegetarian-recipes.html?id=22031a48-a081-477c-9a88-b2de744fee1f>