



# The RESTAURANT APP

CS494 Capstone Final Presentation



# OUR TEAM



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Bachelor of Science in  
Computer Science

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Bachelor of Science in  
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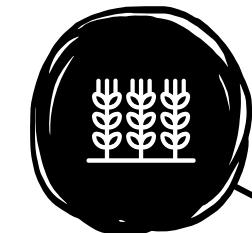
**ZIZHUO**

19571

Master of Science in  
Computer Science

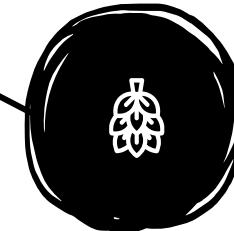


# OUR AGENDA



**Pitch**

What is our APP designed for, our target customers and etc.



**Product Launch**

What are the functions within our Application



**To Improve**

Things we can think of to be improved in the future.



**DEMO**

Demo of our APP



# PITCH

Introduction



01



# PROBLEM



Long  
Line



# PROBLEM



For



Waiting



Food!!!



# NO WORRIES

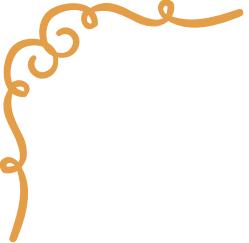


**Let us help!**



Our app allows customers to  
save valuable time to enjoy food  
with their family, friends,  
colleagues, or anyone they want.





# SOLUTIONS

**Here is our app to help out.**

The Restaurant app is a pre-check-in and pre-food order app that helps customers stop waiting in a long line outside the restaurant and cut the extra time waiting for food.



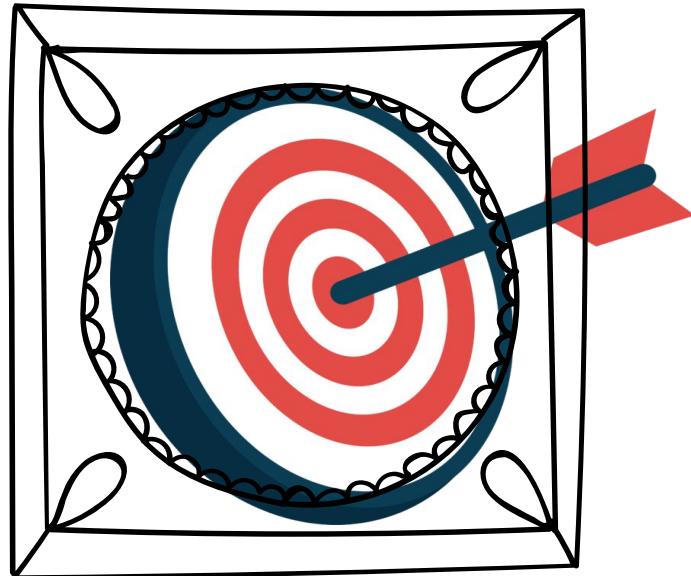


# TARGET MARKET



## Restaurants

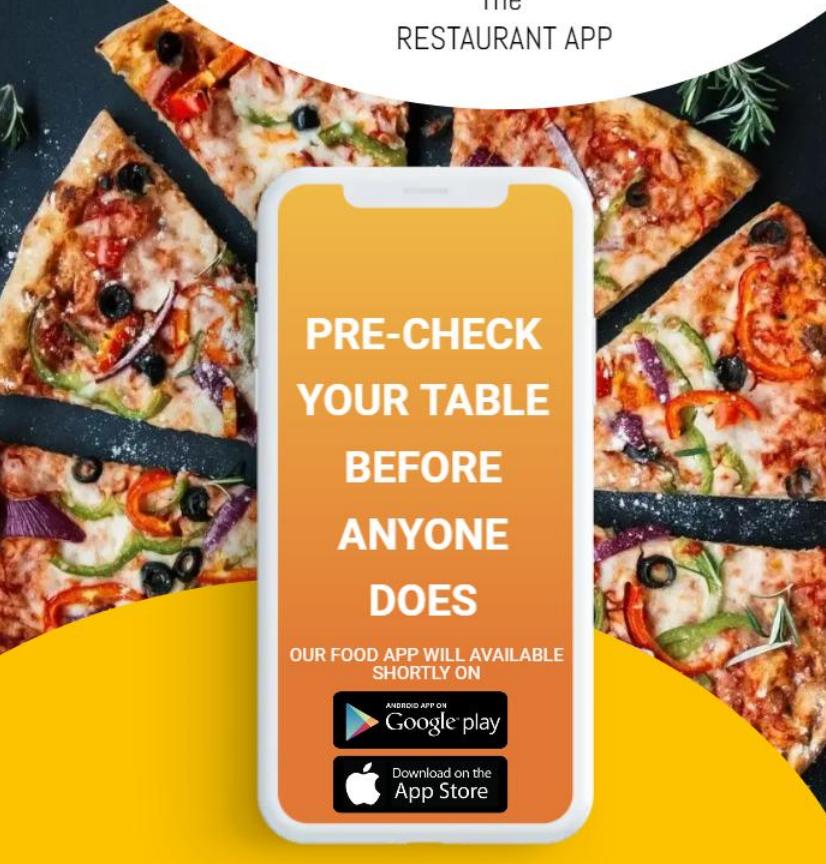
- High customer flow
- Improve table turn over rate
- Efficient management



## Restaurant Consumers

- Enjoy quality restaurant experience
- Take saving time seriously

The  
RESTAURANT APP



PRE-CHECK  
YOUR TABLE  
BEFORE  
ANYONE  
DOES

OUR FOOD APP WILL AVAILABLE  
SHORTLY ON



Save your quilty time using our app, where you can pre-check  
your table and pre-order your food.



# JOIN US!

We are offering more than you  
think!





02



# PRODUCT LAUNCH

Details of Our App

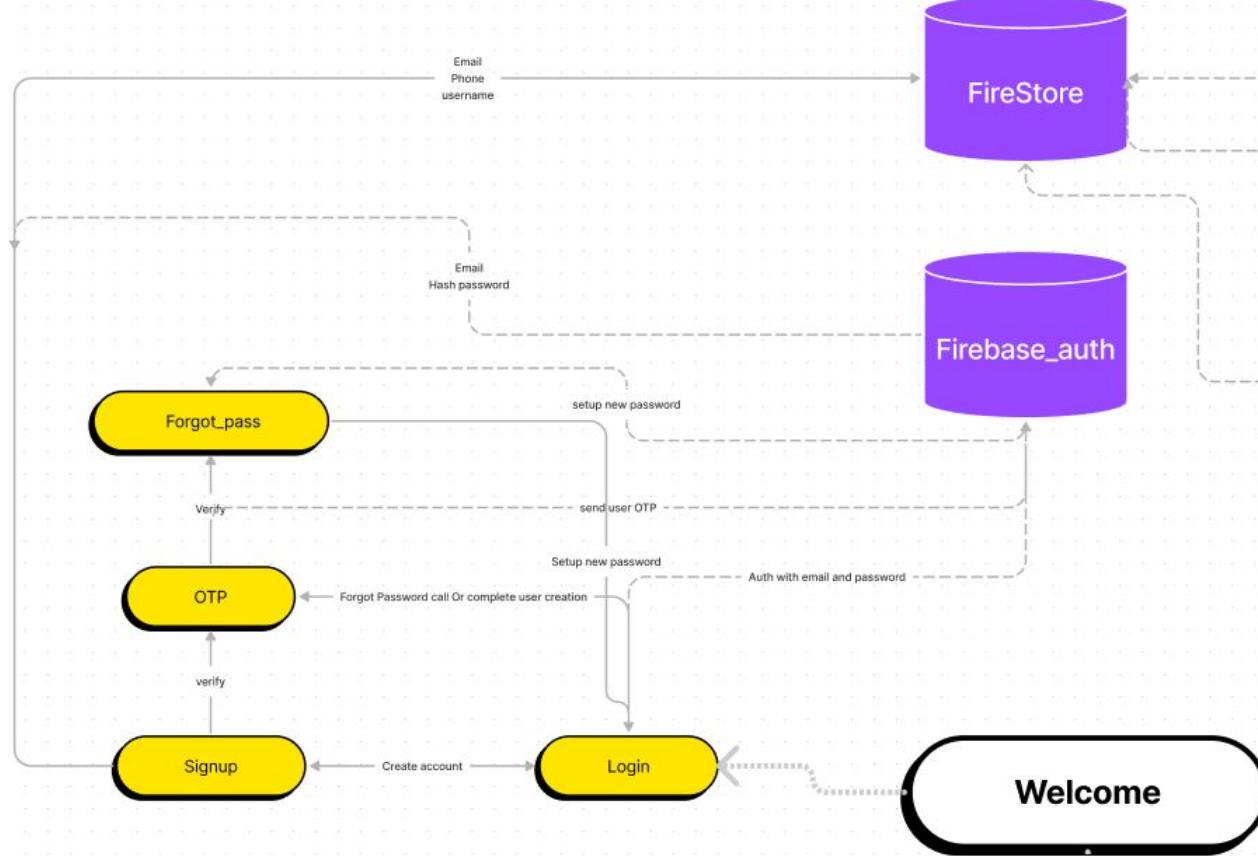


# TECH BASE

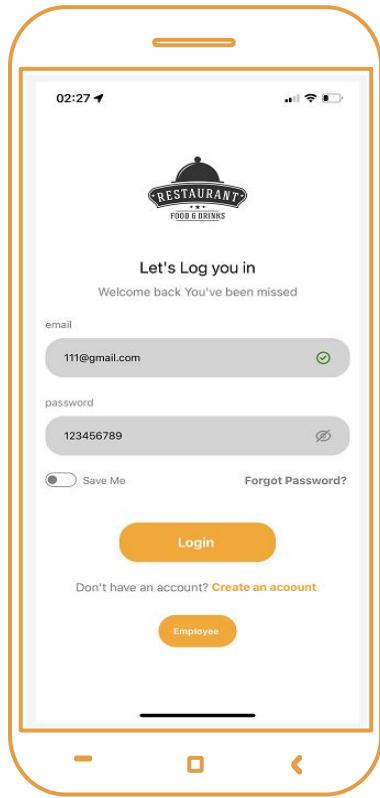
Front-End	Testing	Back-End
<ul style="list-style-type: none"><li>- Run on both iOS and Android</li><li>- Flexible</li><li>- Libraries</li></ul>	<ul style="list-style-type: none"><li>- Real time testing</li><li>- Test on phone for real effects</li></ul>	<ul style="list-style-type: none"><li>- Variety of APIs</li><li>- Secure User data</li><li>- NoSQL database</li></ul>
<b>React Native</b>	<b>Expo-CLI</b>	<b>Firebase</b>



# Flowchart-WELCOME



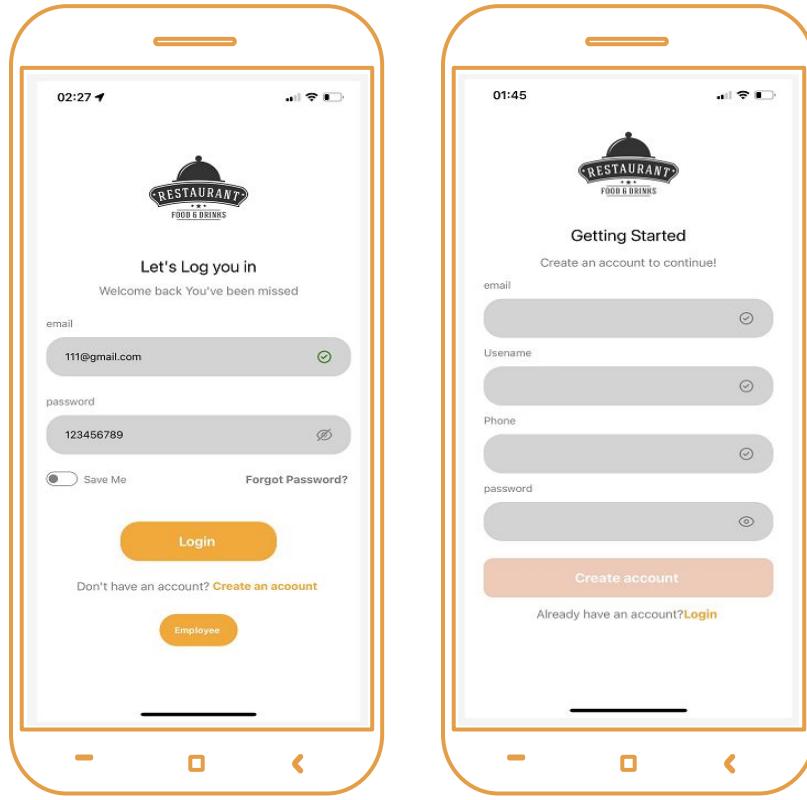
# Functions - WELCOME



## Login Page

This is the very first page of our APP.

# Functions - WELCOME

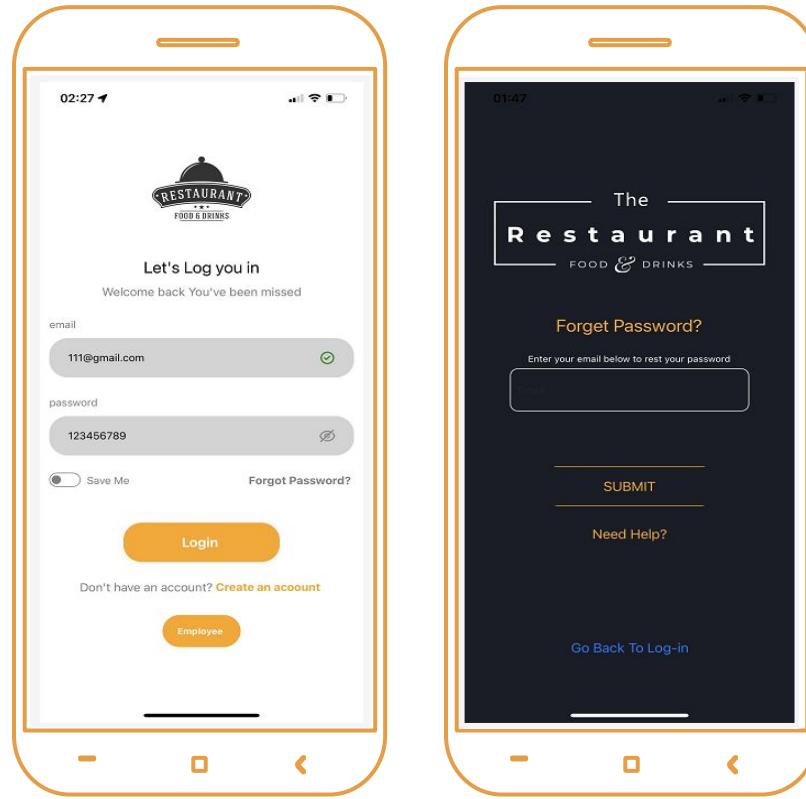


**Login Page  
-> Sign Up Page**

From Login Page, user can go to Sign Up page for signing a new account.

Go back to Login page after signing up.

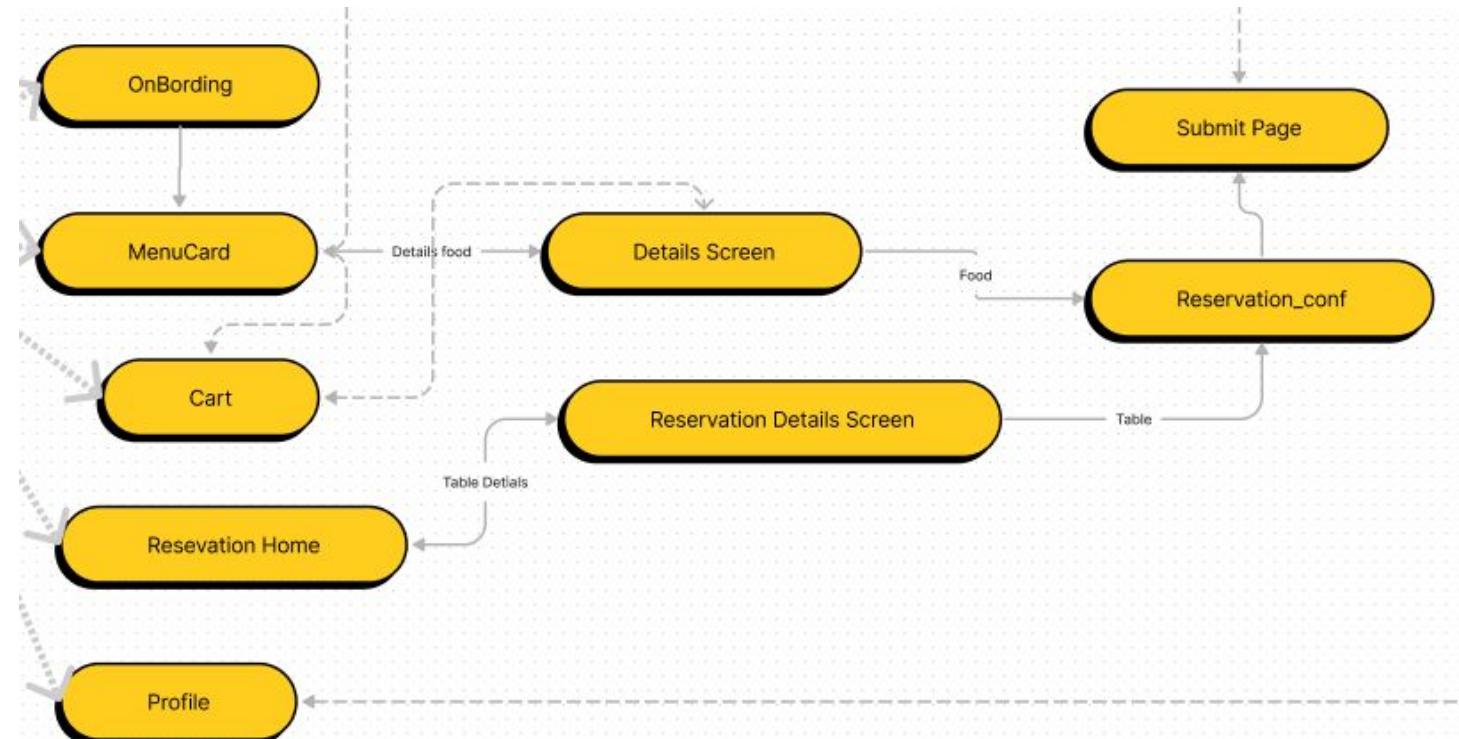
# Functions - WELCOME



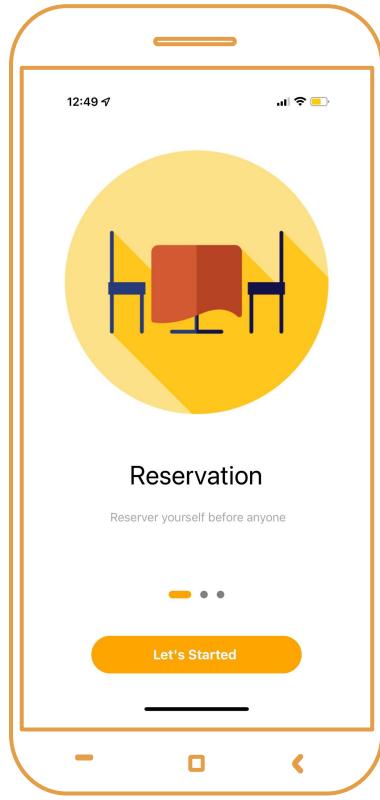
## Login Page -> Forget Pass Page

If user forget the Password,  
he/she can go to Forget Pass  
Page to reset password.

# Flowchart-CUSTOMER



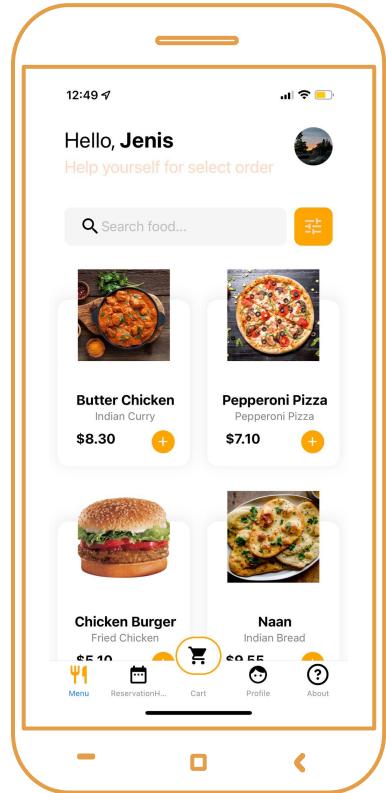
# Functions - CUSTOMER



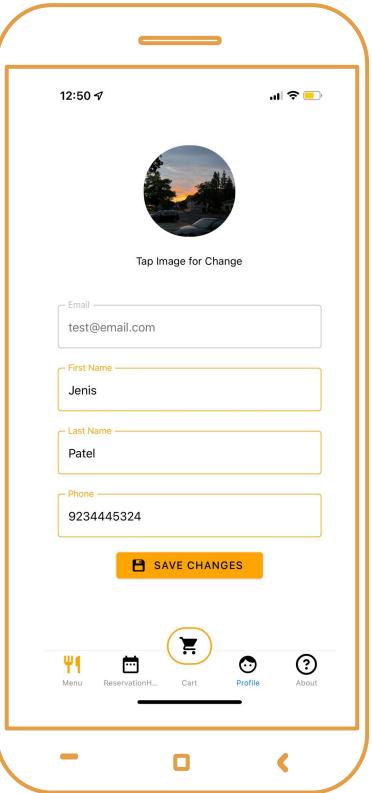
## Login -> Welcome

- OnBoarding Page has three screen slides.
- Here we advertise about our app

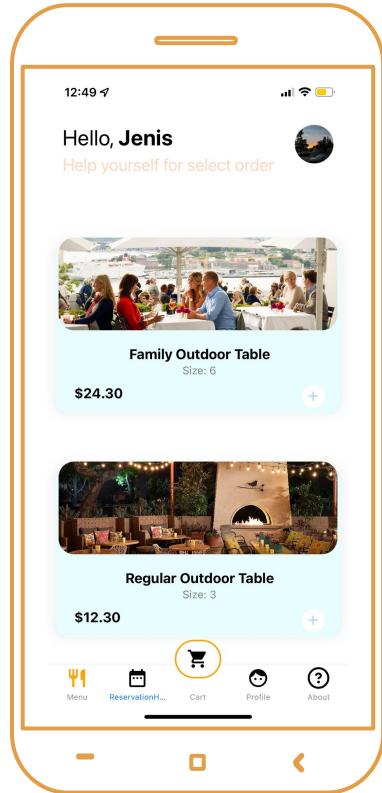
# Functions - CUSTOMER



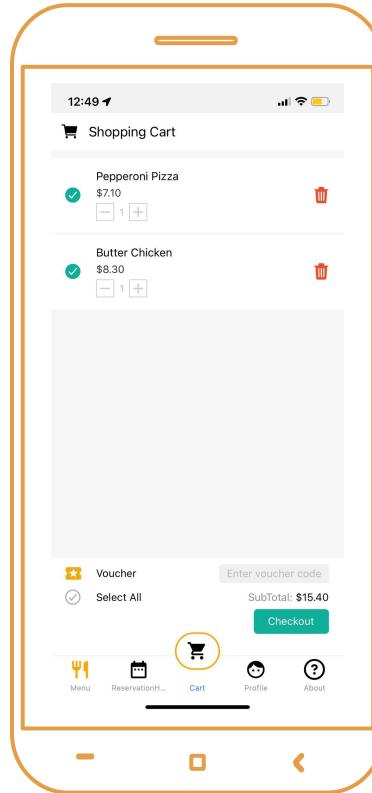
-> Menu



-> Profile

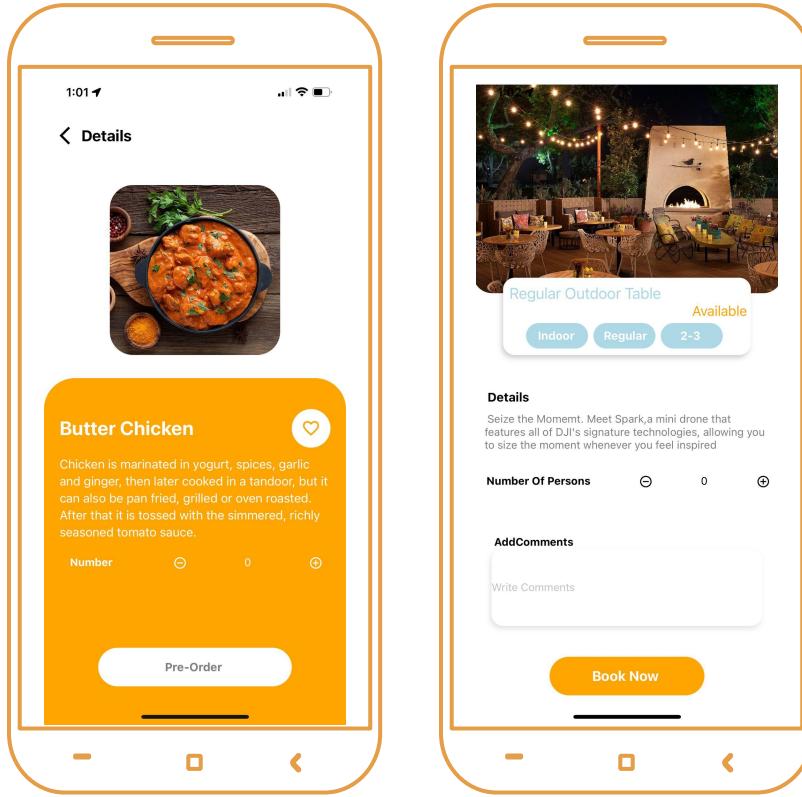


-> Reservation



-> Cart

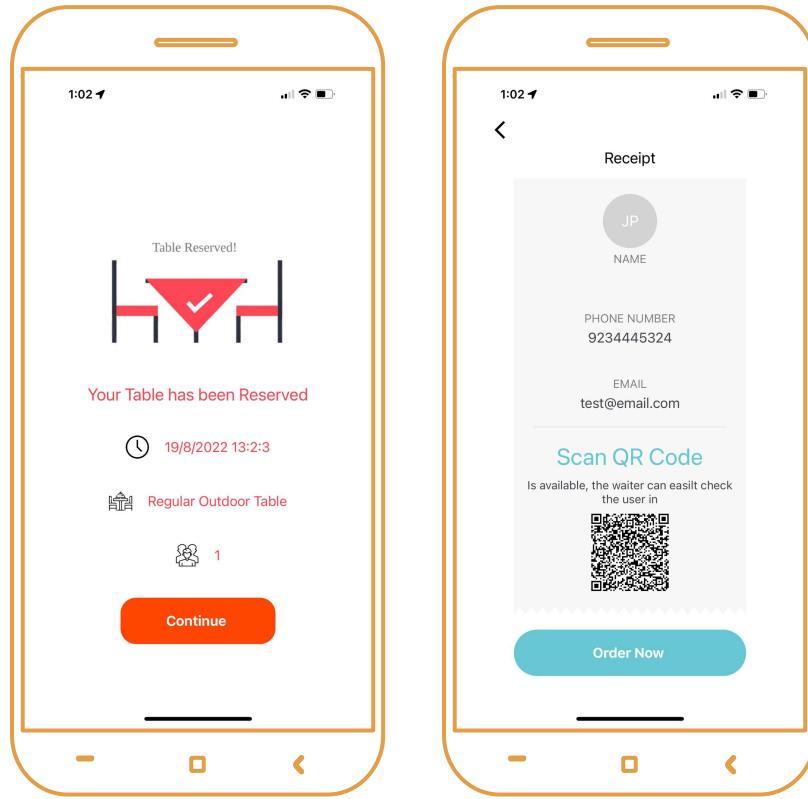
# Functions - CUSTOMER



## -> Supporting Page

- Food Supporting Page:  
More details about dish
- Reservation Supporting  
Page:  
Elaborate information  
about table

# Functions - CUSTOMER



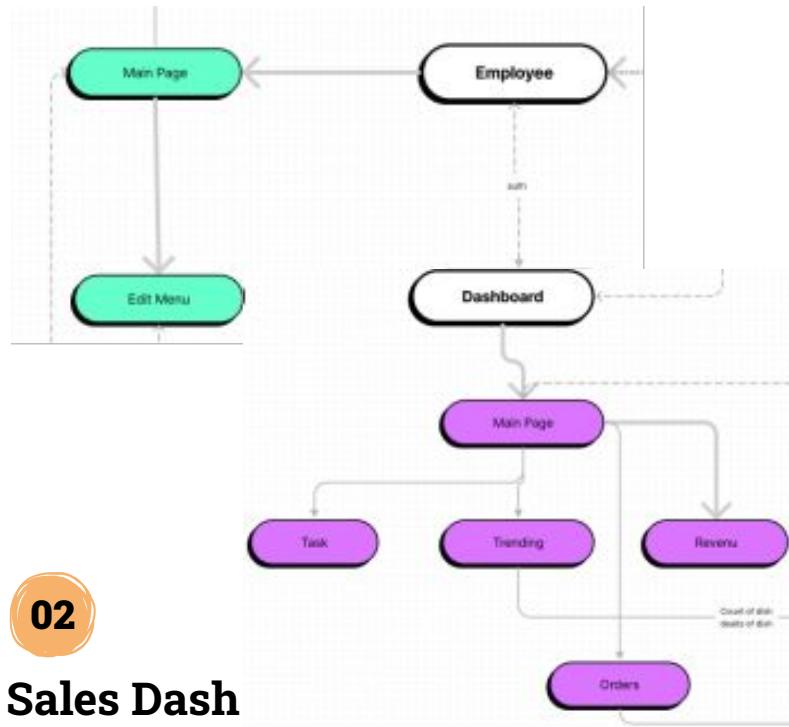
## -> Customer Checkout Page

- Reservation Confirmation Page: Contain info about table
- Receipt Page: Contains Qr code and info about reservation

# Flowchart-EMPLOYEE

01

Menu



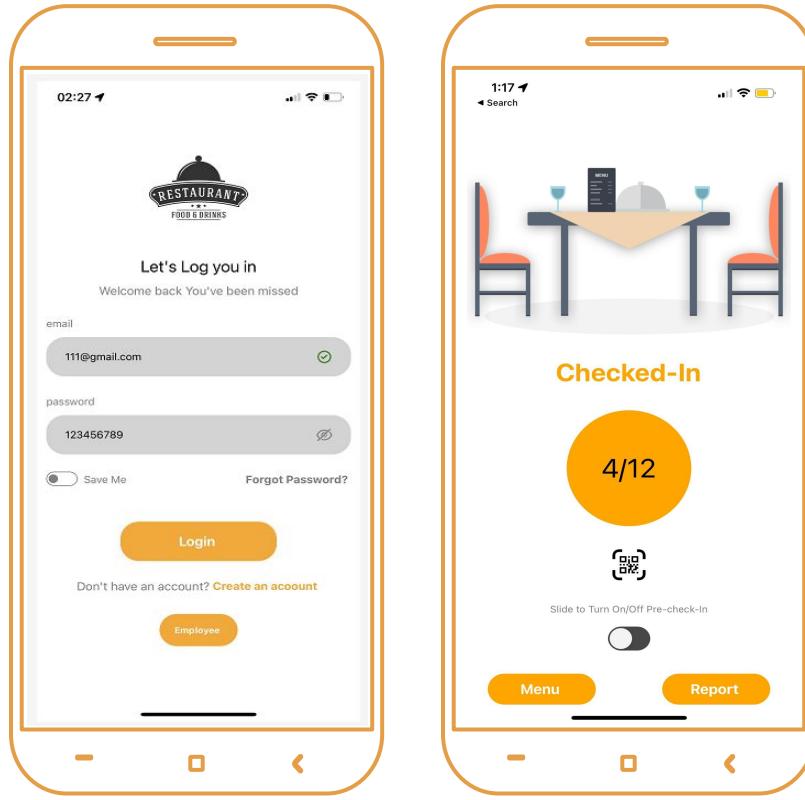
02

Sales Dash

03

Customer  
Intake

# Functions - EMPLOYEE

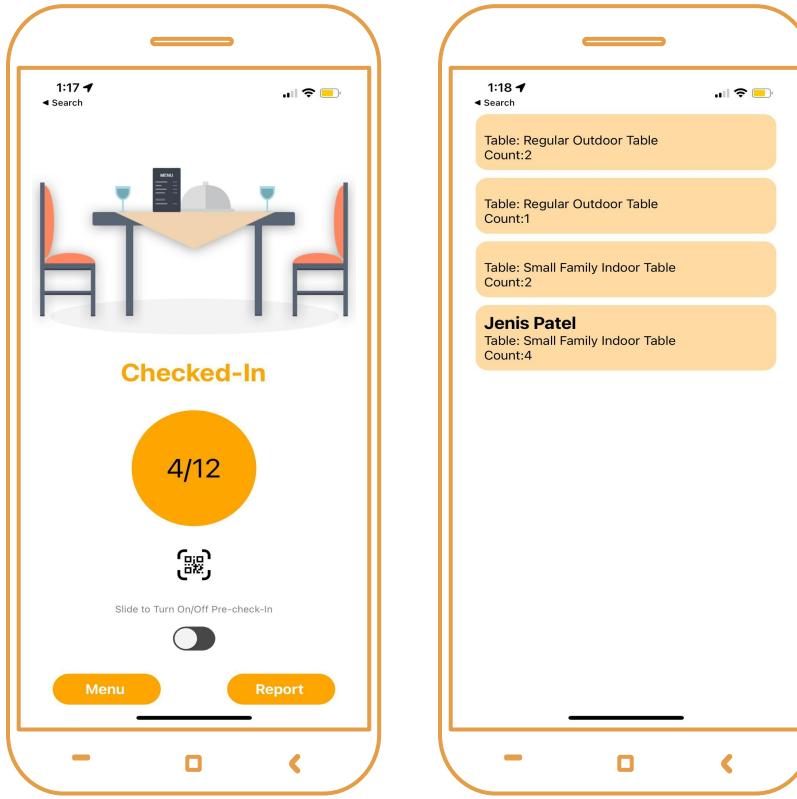


## Manager Home Page

Log in from our welcome login page with unique id assigned.

On this Manager home page, there are 4 clickable buttons/text to direct the manager to another page.

# Functions - EMPLOYEE

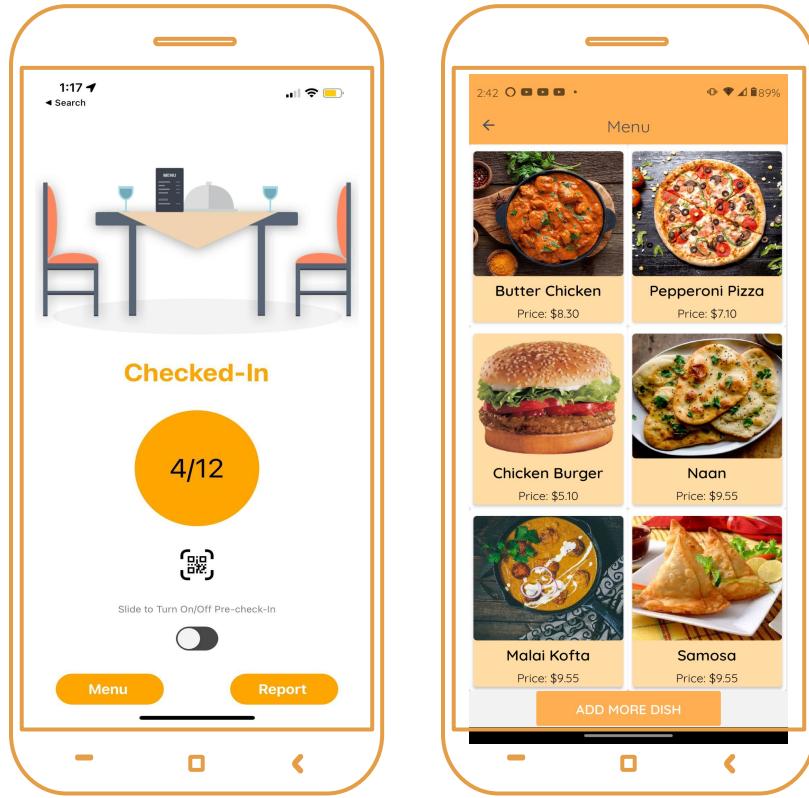


## Manager Home -> Waiting List

The big round button indicates the reserved table and total table number.

When clicking on the text, the manager will be directed to the information list of reserved tables. Arrow in the header will go back to the manager home page.

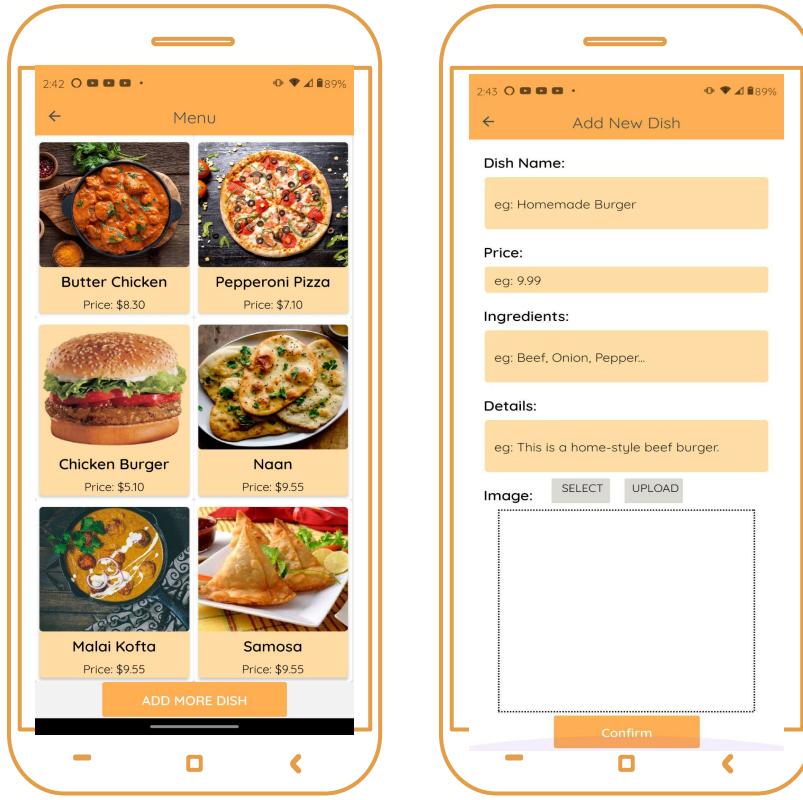
# Functions - EMPLOYEE



**Manager Home -> Menu**

The Menu button on the bottom left will go to the menu page where all the food items in the menu are displayed.

# Functions - EMPLOYEE

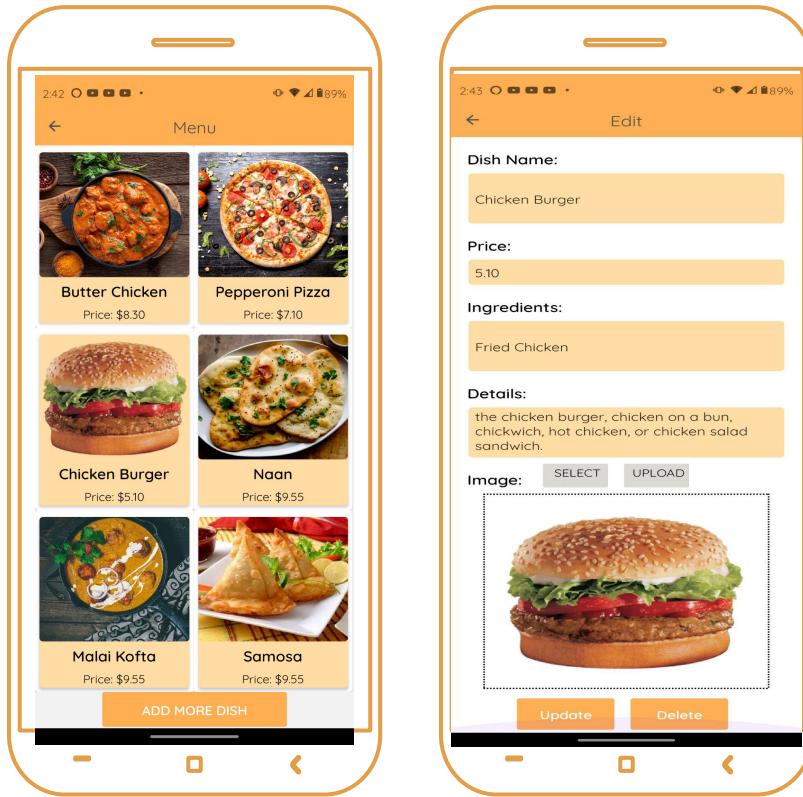


**Menu -> Input -> Menu**

The “ADD NEW DISH” button in the bottom will pop the menu input page after the clicking.

The “Confirm” button will update the new food item to firebase store and redirect manager back to manager home page.

# Functions - EMPLOYEE

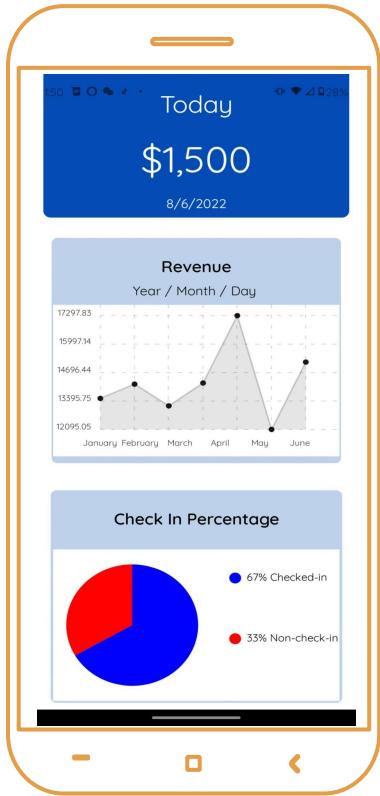
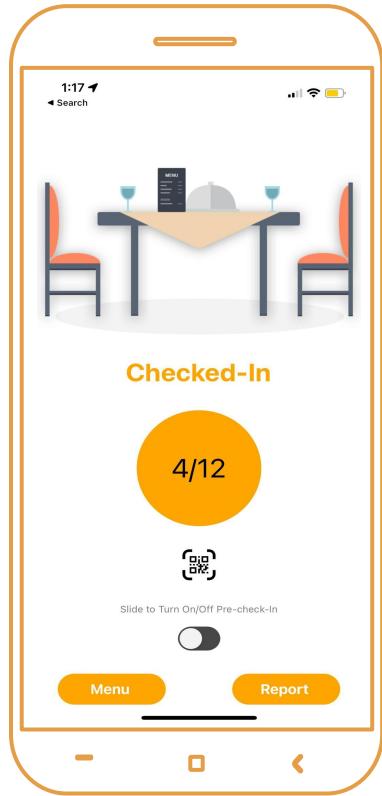


**Menu ->  
Edit -> Menu**

Go to edit page by clicking on each of the food cards on the Menu page

The updated information will be updated to the firebase store when update button clicked.

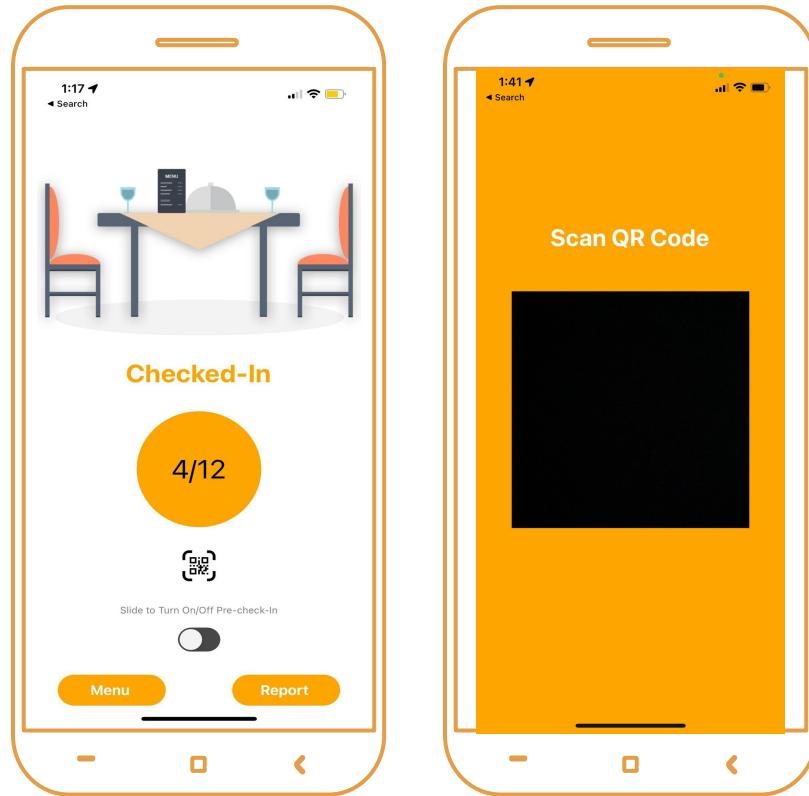
# Functions - EMPLOYEE



**Manager Home  
-> Revenue**

The right bottom button will go to the sales dashboard.

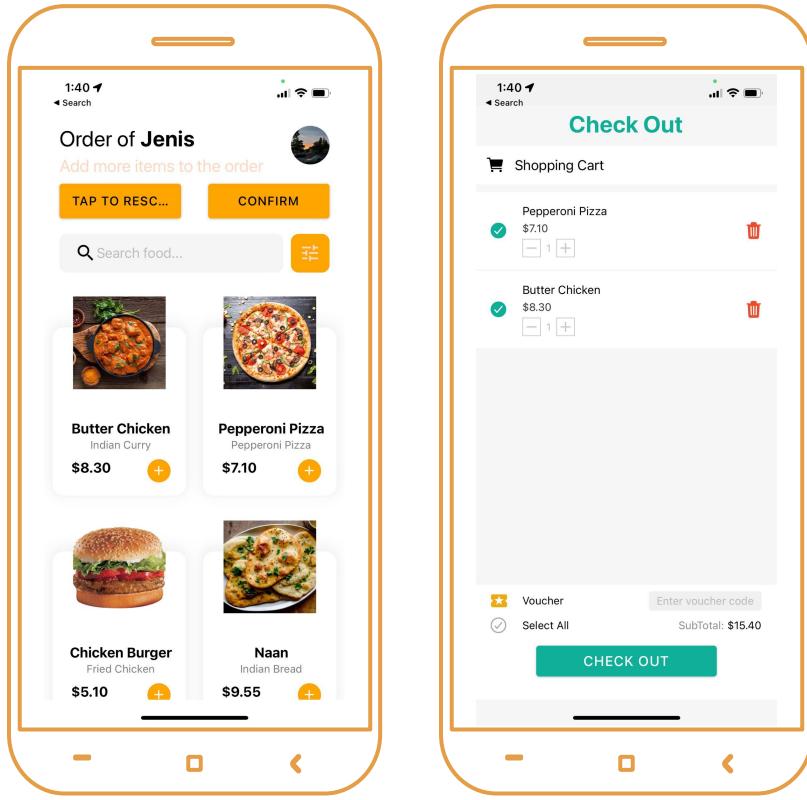
# Functions - EMPLOYEE



## Manager Home-> QR Code Scanner

The QR code icon on the Manager home page goes to the QR code Scanner.

# Functions - EMPLOYEE



**Customer Taken -> Checkout**

After scanning, the manager will be taken to the order taken page to confirm/edit the customer order.

After all that, the manager can go to the checkout page to check out the customer.



# FIREBASE



Home > Menu > 9Xeqk0Aq60qg.. More in Google Cloud ▾

the-restaurant-50802	Menu	⋮	9Xeqk0Aq60qgowKsH7jz	⋮
+ Start collection	+ Add document		+ Start collection	
Menu	9Xeqk0Aq60qgowKsH7jz	>	+ Add field	
Reservation	RCM9v65iaIoKNnjMoFVb		details: "Naan is a leavened, oven-baked flatbread native to India. It resembles pita bread but unlike pita, it has yogurt, milk, sometimes eggs or butter which makes it softer than the pita bread. Our bakers shape it into a ball and slap it on the walls of our tandoor (clay oven)."	
UserData	Z32UNJTq2PKiSzEV3Ht		ingredients: "Indian Veg.Curry"	
UserProfile	grgBTeJimgKJTtAJPAX5		name: "Malai Kofta"	
user	ogG6hWCtrFbQMPdUBadq		price: 9.55	
	vcwsFhLNP9Mi0J4SAZXu			



# FIREBASE



Home > Reservation > 123@gmail.com More in Google Cloud

the-restaurant-50802	Reservation	123@gmail.com	⋮
+ Start collection	+ Add document	+ Start collection	⋮
Menu	123@gmail.com	+ Add field	
Reservation >	jenishbh@email.com	Date: "13/8/2022 14:13:38"	
UserData	jenishpatel.bh@gmail.com	Number_of_People: 2	
UserProfile	test@email.com	Table_Type: "Regular Outdoor Table"	
user			



# FIREBASE



Home > UserData > 1111@gmail.co..

 More in Google Cloud ▾

 the-restaurant-50802

+ Start collection

Menu

Reservation

UserData

UserProfile

user

 UserData



 1111@gmail.com



+ Add document

1111@gmail.com



111@gmail.com

888@gmail.com

Jenishpatel.bh@gmail.com

jenishbh@email.com

test@email.com

testa@email.com

yas@email.com

+ Start collection

+ Add field

email: "1111@gmail.com"

name: "abcd"

phone: "1234567890"



# **TO BE IMPROVED**

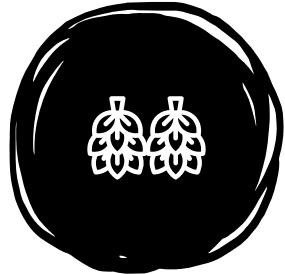
## **Future**

Functionality that we consider to add or improve if we have more time.



**03**

# CURRENT TO IMPROVE



**Employee  
Authorization**  
Multiple Employees



**UI**  
Always trying for better  
solution



**Sales Section**  
More Analysis



# FUTURE TO ADD



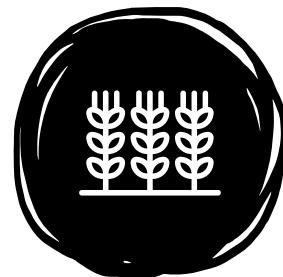
## Payment

More payment methods



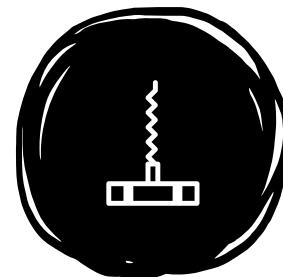
## Waiting Time

Calculate the current waiting time



## Messaging

Send out messages to customers

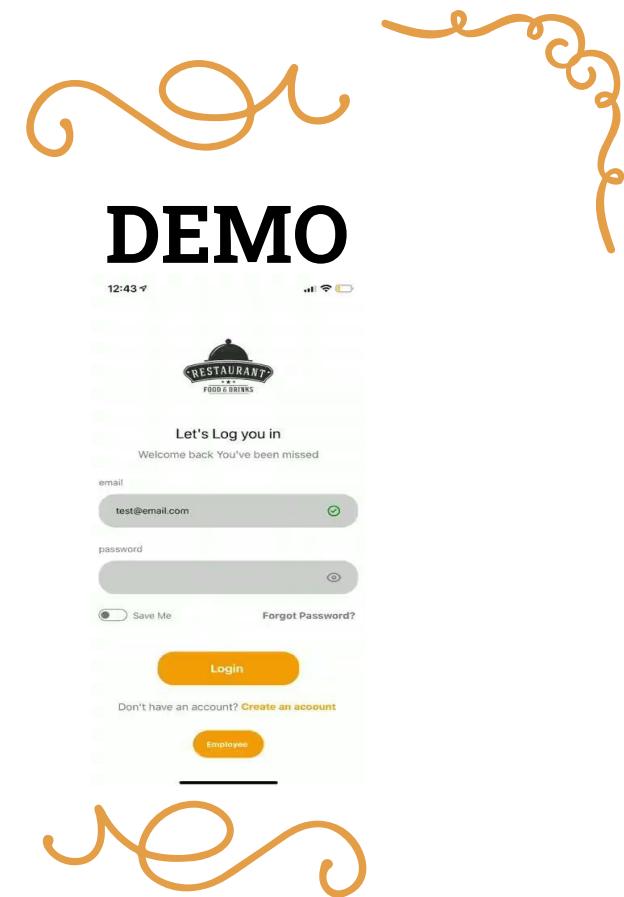


## Reviews

Allow customers reviews



04





# REFERENCES

01

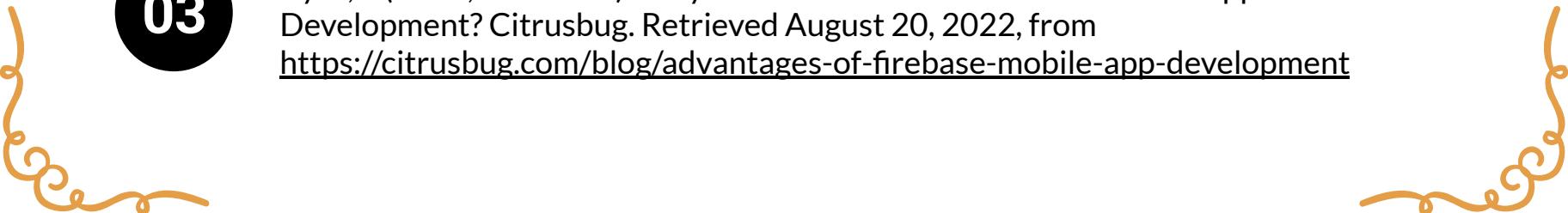
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# THANK YOU

Any Question?

