

# Restaurant APP

CS494 Capstone Project

San Francisco Bay  
University



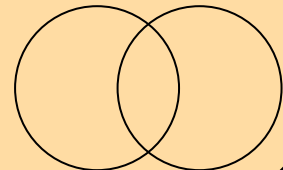
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CHICKEN DAY

07/09



# Our Team



**Jenish Patel**

19549  
Bachelor of Science in  
Computer Science



**Yixin Cao**

19536  
Bachelor of Science in  
Computer Science



**Zizhuo Huang**

19571  
Master of Science in  
Computer Science

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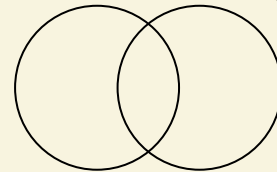
More than pictures

**07/09**

MIDTERM REPORT

07/06

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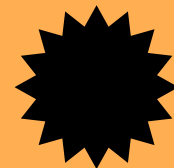
01

# Overview

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What is our product used for?



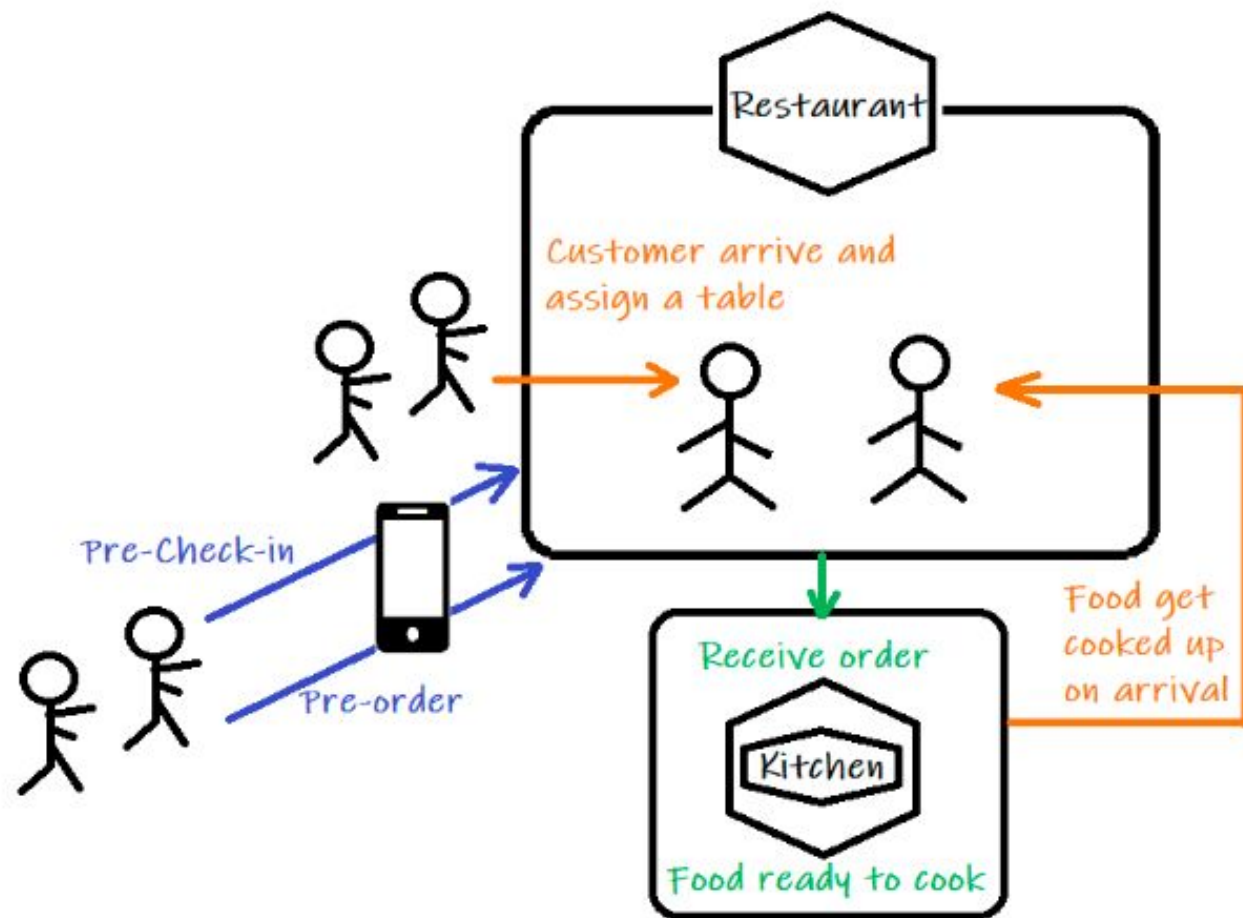
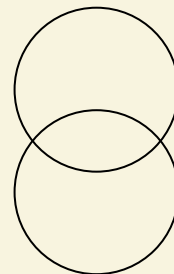


Figure 1



# For Customer



Save time:

1) Wait for table

2) Wait for service

3) Wait for food



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# For Managers



## Efficient

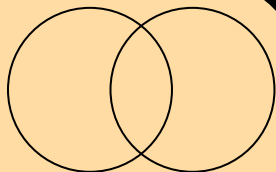
- 1) Quick service for food
- 2) Increase table turnover
- 3) Customer satisfaction



## Insight

- 1) Sales Report
- 2) Customer behaviours
- 3) Resource allocation





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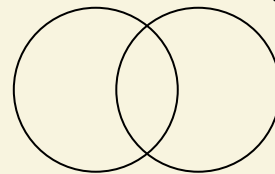


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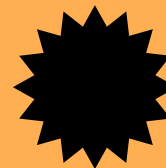
02

Design

i



How is our software  
designed?





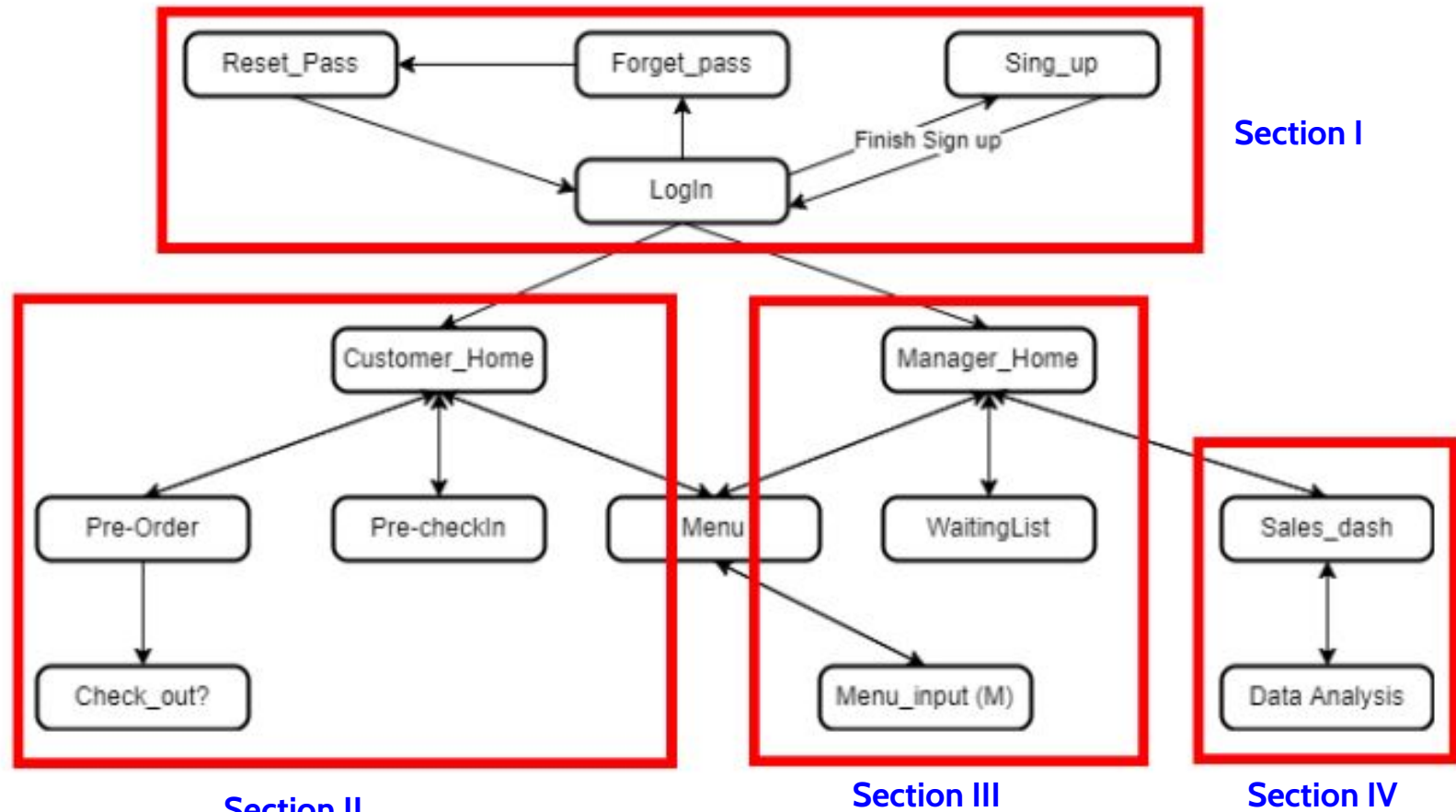


Figure 2

# Technology



For our Restaurant App project:

- React Native - Frontend
- Firebase - Development Platform
- Python - Backend
- Expo CLI - testing



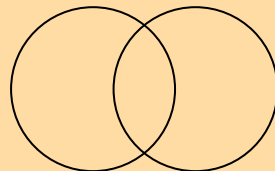
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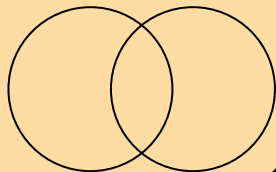
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03

# Team Progress

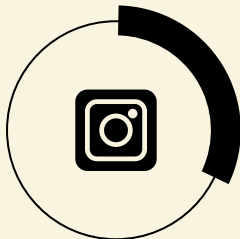
Will report the progress as a team



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# Our Team Working So far

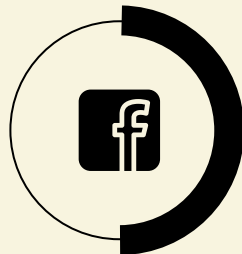
35%



## Design

Adobe Xd and Figma help us to reduce our time on Design

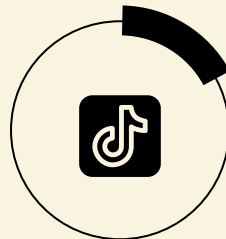
50%



## Frontend

React-native help us on create android and iOS both side app

15%



## Database

Firebase handle our majority of backend

# Review of past events

**May 28<sup>th</sup>**

## **Project Idea**

We commit to build app

**June 4<sup>th</sup>**

## **Design**

We finalize the app  
template

**June 11<sup>th</sup>**

## **Welcome page**

We build our first Login  
Page

**June 18<sup>th</sup>**

## **Database**

We successfully  
connected database to  
our app

**June 25<sup>rd</sup>**

## **Menucard**

We start working on  
customer experience

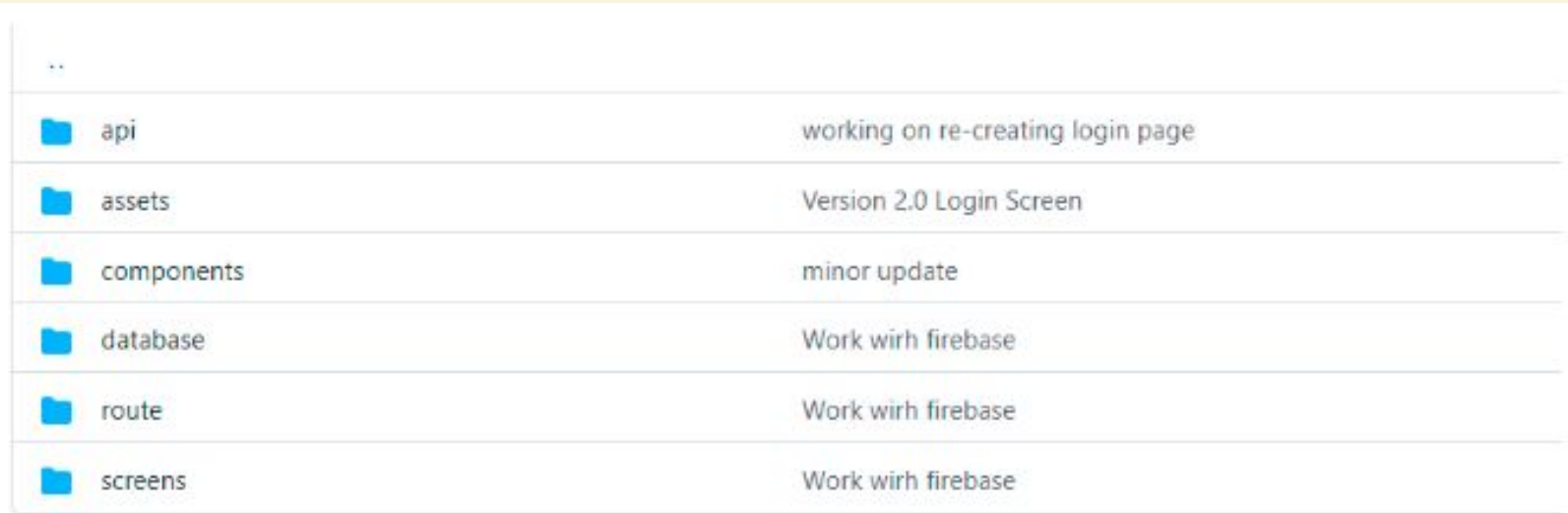
**July 2<sup>ed</sup>**

## **Manager**

We build our Manager  
home page and update  
our Login page

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# Project Folders

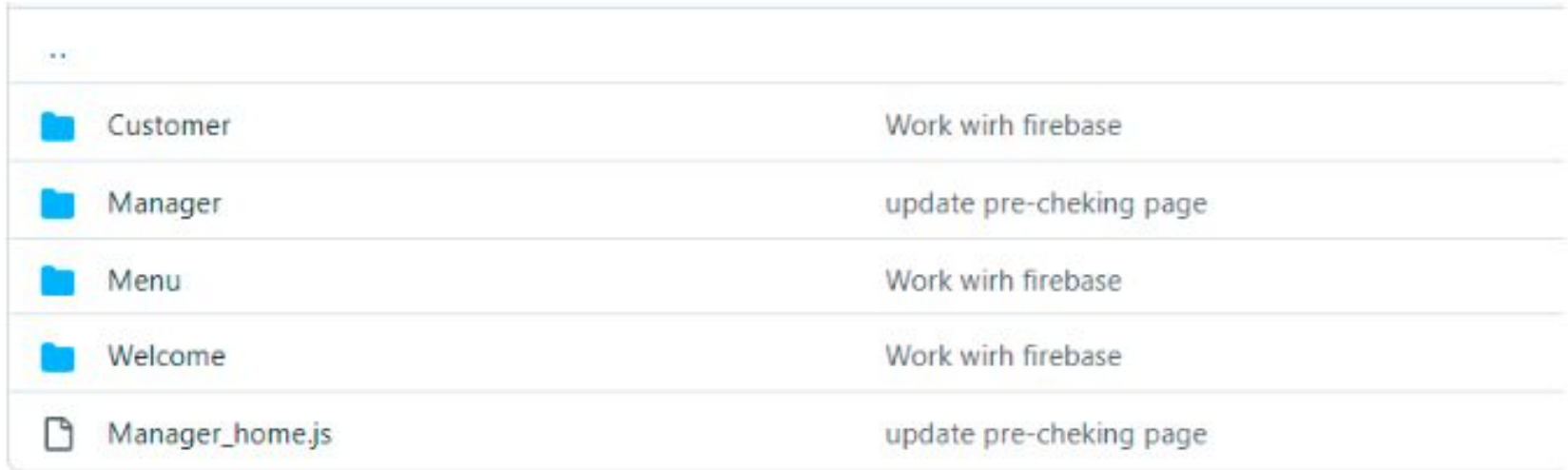


A screenshot of a file explorer interface with a light blue header and a white body. The header contains a back arrow icon on the left and a search bar on the right. The body displays a list of folders with blue folder icons. Each folder name is followed by a descriptive text. The folders are: api (working on re-creating login page), assets (Version 2.0 Login Screen), components (minor update), database (Work wirh firebase), route (Work wirh firebase), and screens (Work wirh firebase). Note the spelling 'wirh' in the descriptions for database, route, and screens.

Folder	Description
api	working on re-creating login page
assets	Version 2.0 Login Screen
components	minor update
database	Work wirh firebase
route	Work wirh firebase
screens	Work wirh firebase

Figure 3

# Project Folders-screens



The screenshot shows a file explorer interface with a list of project folders and files. Each item has a corresponding task or action listed to its right. The items are: Customer (Work wirh firebase), Manager (update pre-cheking page), Menu (Work wirh firebase), Welcome (Work wirh firebase), and Manager\_home.js (update pre-cheking page). The folder icons are blue, and the file icon is a document symbol.

..	
Customer	Work wirh firebase
Manager	update pre-cheking page
Menu	Work wirh firebase
Welcome	Work wirh firebase
Manager_home.js	update pre-cheking page

Figure 4

The Restaurant  
FOOD & DRINKS

[Forgot Password?](#)

Login  
OR

Create Account

15:40

The Restaurant  
FOOD & DRINKS

☒ I accept the Terms of Service.

SignUp

The Restaurant  
FOOD & DRINKS

**Forget Password?**

Enter your email below to reset your password

SUBMIT

[Need Help?](#)

[Go Back To Log-in](#)

The Restaurant  
FOOD & DRINKS

**Reset Password**

SUBMIT

[GO BACK TO LOG-IN](#)



## Section I: General 1.0

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# Signup Page 2.0



- New look
- Implement feature
- Verify each data
- Successfully work with database

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## Getting Started

Create an account to continue!

email

dump.data@mail.com



Username

robot.js



Phone

+19257918240



password



Create account

Already have an account? [Login](#)

# Login 2.0



- New look
- User friendly
- Verify data
- Successfully work with database
- Store data on user side



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Let's Log you in

Welcome back You've been missed

email

password

☐ Save Me

[Forgot Password?](#)

Login

Don't have an account? [Create an account](#)

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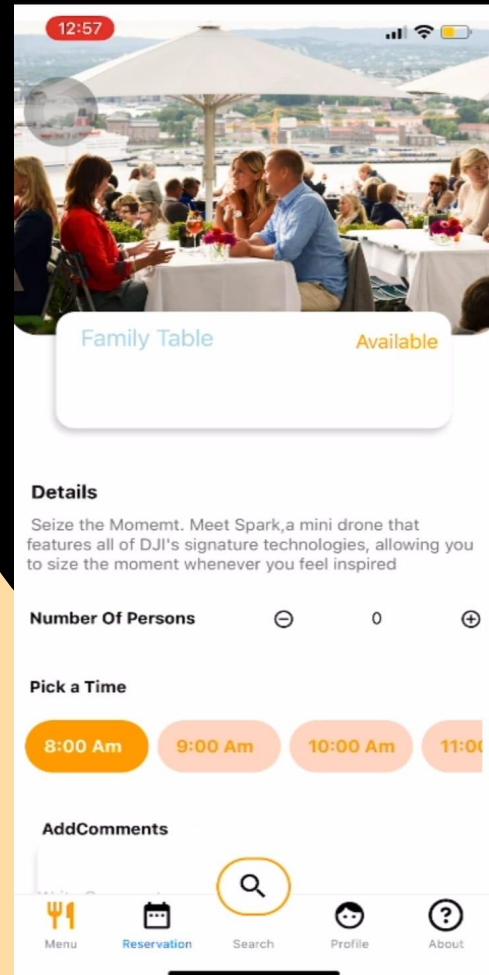
# Pre-Check in



- Details for table
- Number of count
- Pick the time
- Add Comment
- Successfully work with database



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# Profile



- Upload user avatar
- Edit personal information
- Update user data stored in database

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MY ACCOUNT



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Zizhuo Huang

## PERSONAL DETAILS

FIRST NAME

Zizhuo

LAST NAME

Huang

PHONE NUMBER

+1 770 937 1565

E-MAIL

huangzz9511@gmail.com

ADDRESS

123 ABC Street

CITY

Union City

STATE

California

ZIP CODE

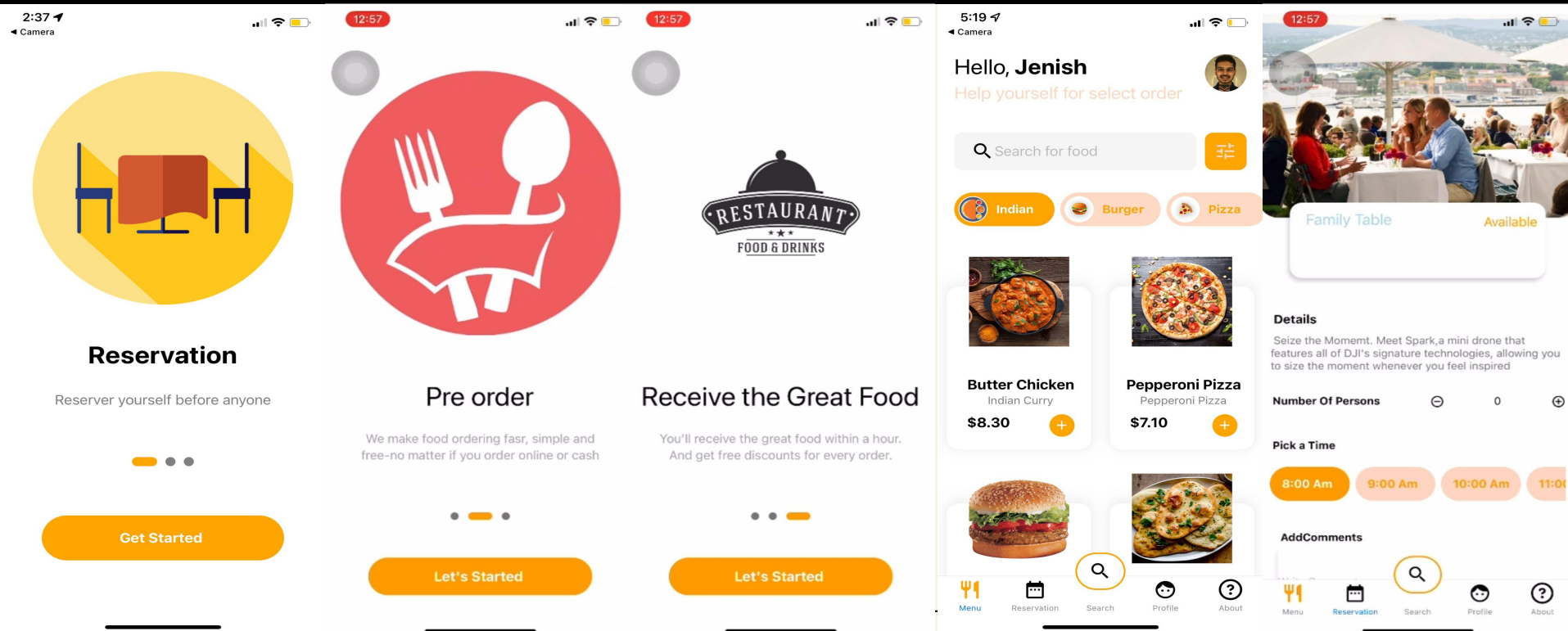
94587

COUNTRY

United States

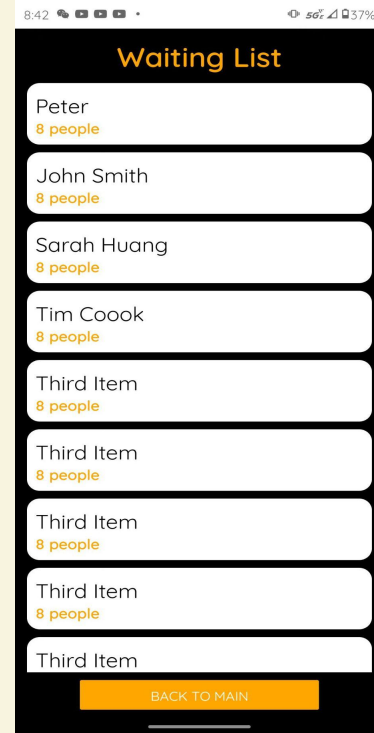
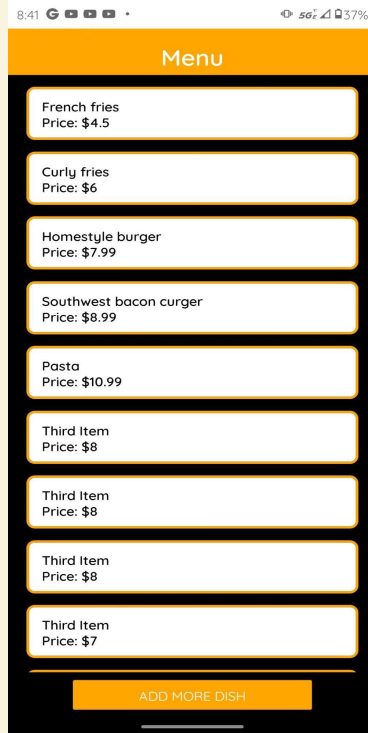
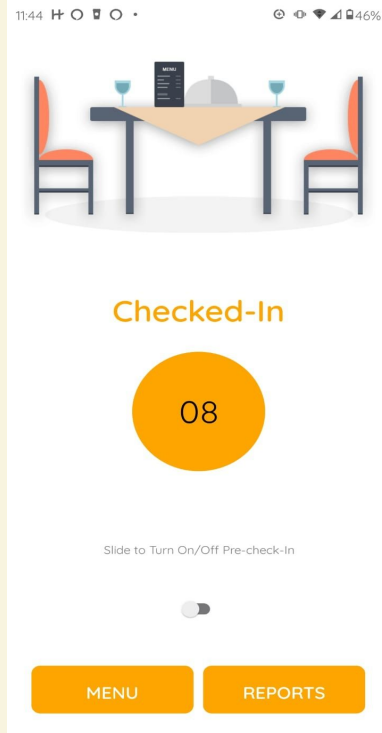


SAVE CHANGES



## Section II: Customer

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## Section III: Manager

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# Authentication

[Users](#)[Sign-in method](#)[Templates](#)[Usage](#)[Add user](#)

Identifier	Providers	Created ↓	Signed In	User UID
test@email.com		Jul 9, 2022	Jul 9, 2022	gX1U8BJle7gRWtJmsXAITM0F33...
sub@email.com		Jul 9, 2022	Jul 9, 2022	UxCNXYbaVZh1RnSonu78SRzLxrS2
jsjs@h.com		Jul 8, 2022	Jul 8, 2022	SQYzDNOXbYhiTUmr7oS5uKp30N...
adsaga@gmail.com		Jul 8, 2022	Jul 8, 2022	u6n4XuNT02X0qaNYlocF4prTc6d2
q678@gmail.com		Jul 8, 2022	Jul 8, 2022	S54ZSzSK7RfbULZY2KwmnGWgB...



## Section IV: Database – Firebase

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# Cloud Firestore

Data Rules Indexes Usage

Protect your Cloud Firestore resources from abuse, such as billing fraud or phishing [Configure App Check](#) ✕

Prototype and test end-to-end with the Local Emulator Suite, now with Firebase Authentication [Get started](#) ✓ ✕

🏠 > test@email.com > userdata

the-restaurant-50802

test@email.com



userdata

+ Start collection

Sub@123

jsjdk

kn1

test@email.com >

user

+ Add document

Reservastion

userdata >

+ Start collection

+ Add field

email: "test@email.com"

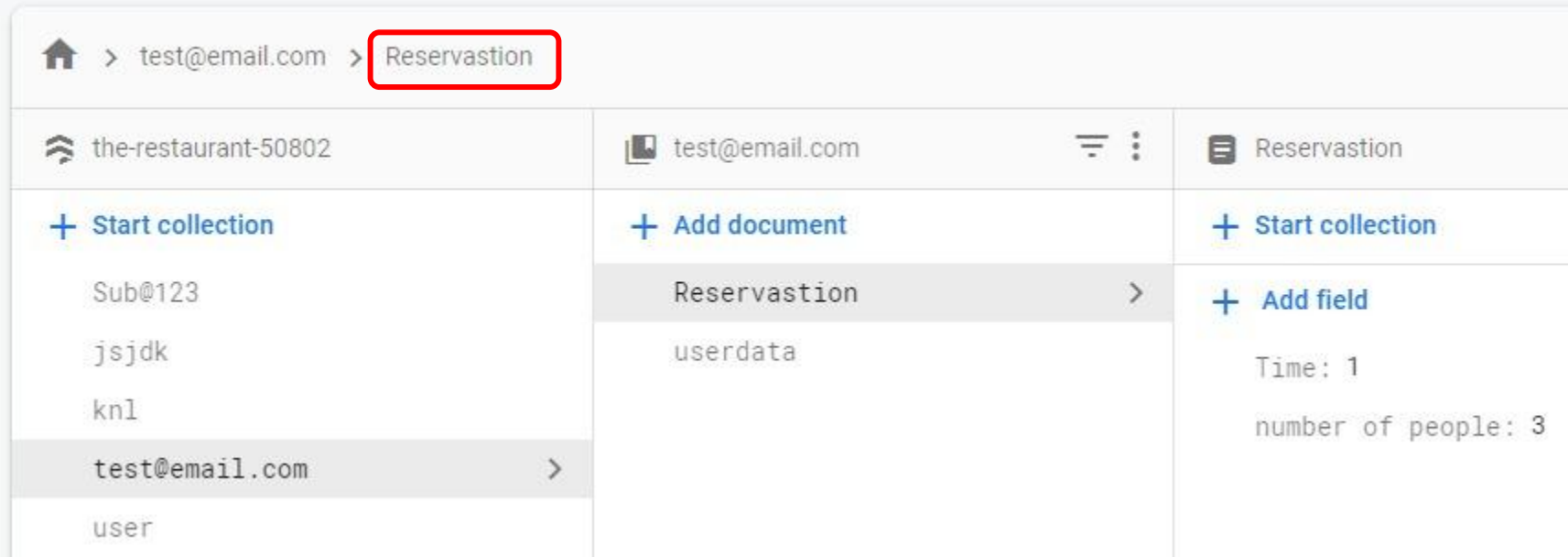
name: "test"

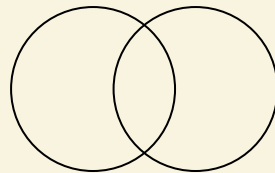
phone: "123456789"



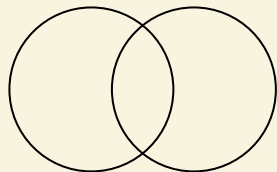
## Section IV: Database – Firebase





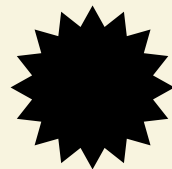


# 04



# Future Plans

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Where we at and where to go



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# Our Current Position

## Jenish

Pre-checking page, update  
customer experience  
interface

Backend with Firebase

## Zizhuo

Customer Profile  
Frontend and Backend

With Firebase

## Sharon

Manager menu home  
and edit/input

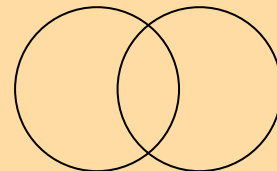
Update and pull data from  
Firebase



22

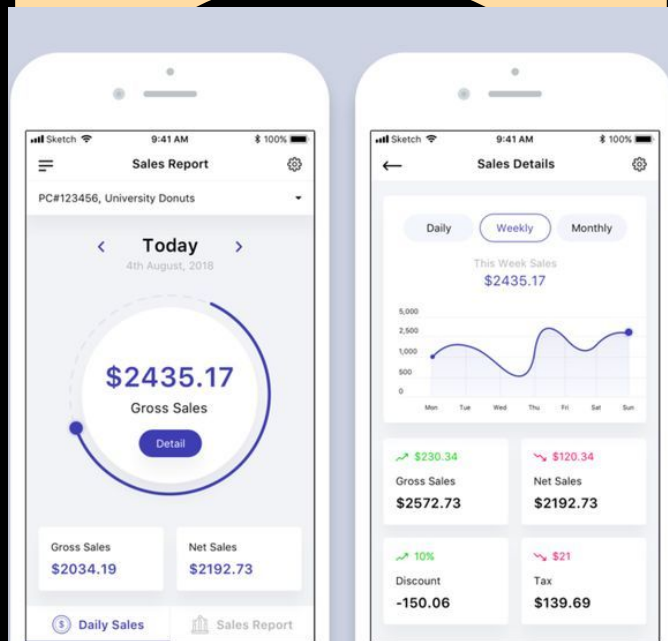
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## Sales Dashboard

- Today's revenue
- Trends
- Customer feedback flow
- Overall revenue

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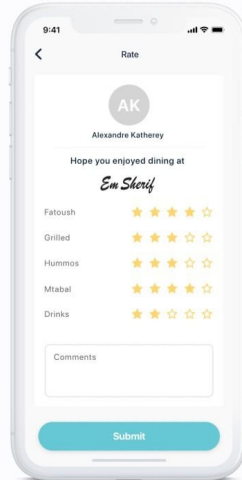
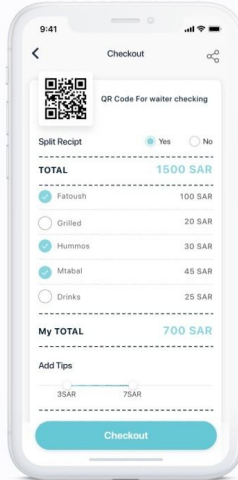
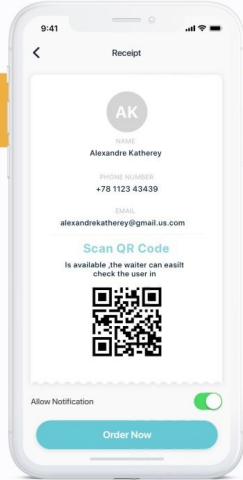
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# Pre-checking

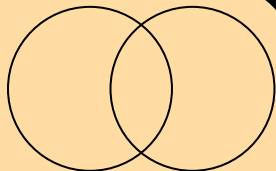
## Checkout

MOBILE APP

QR code for waiter checking  
You Can Send your feedback



- QR code for booking
- Feedback subpage
- Details for booking
- Details on food cart



22



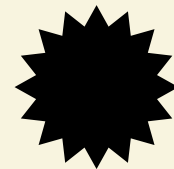
09

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05

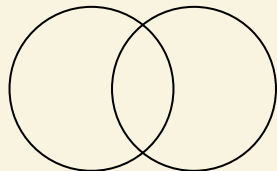
Demo

More than pictures



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# General

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Let's Log you in

Welcome back You've been missed

email

password

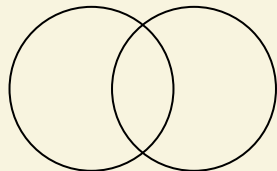
☐ Save Me

[Forgot Password?](#)

Login

Don't have an account? [Create an account](#)





# Log in -Sign up

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To be Continued



Let's Log you in

Welcome back You've been missed

email

password



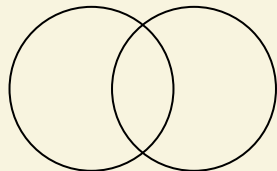
Save Me

[Forgot Password?](#)

Login

Don't have an account? [Create an account](#)





# Continue

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12:57



Let's Log you in

Welcome back You've been missed

email

Invalid Email

test@e



password

password for exp.host  
Jenishbh



q w e r t y u i o p

a s d f g h j k l

⬆ z x c v b n m ⬆

123

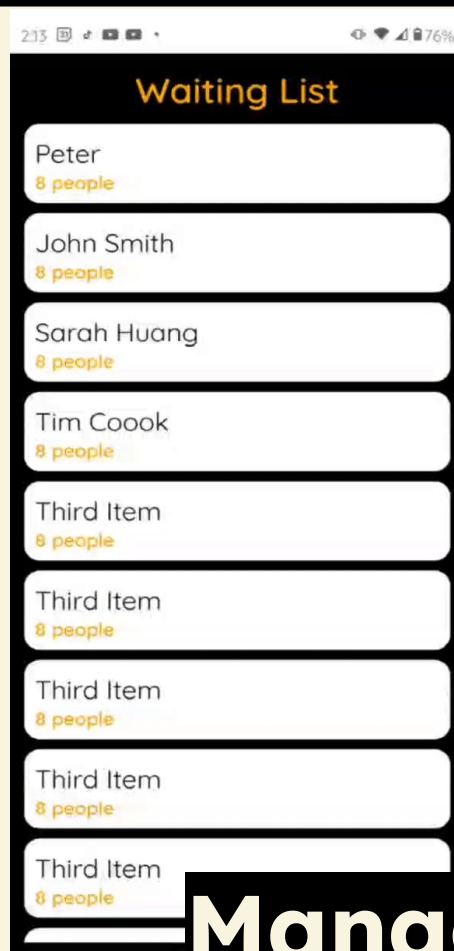
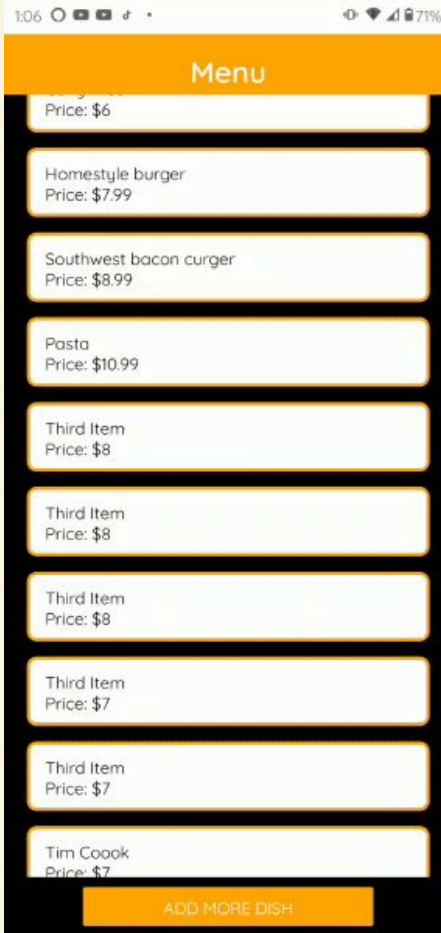
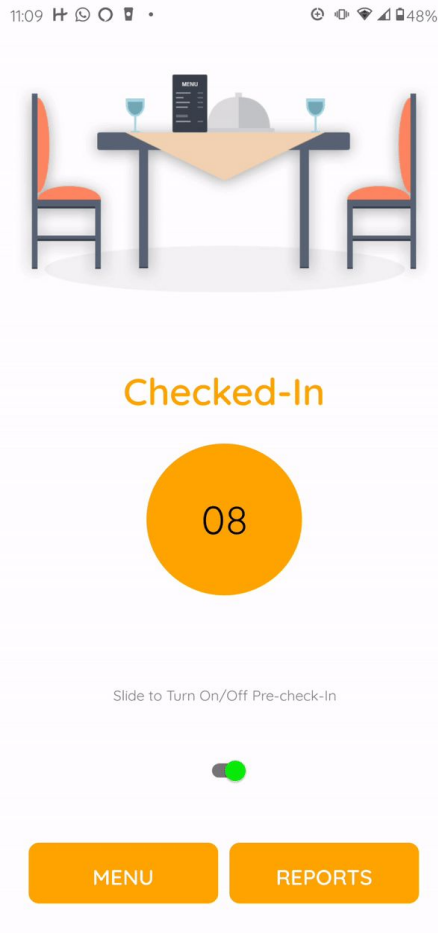


space

return



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Manager

# References

- Balmaceda, K., & Tomboc, K. (2018, August 20). *Progress Report: How to Write, Structure, and Make It Visually Attractive*. Piktochart. Retrieved July 8, 2022, from <https://piktochart.com/blog/progress-report/>
- Warby, W. (n.d.). *Why You Need to Quote Restaurant Wait Times to Customers?* Carbonara App. Retrieved July 8, 2022, from <https://www.carbonaraapp.com/restaurant-wait-time/>
- Wayner, P. (2021, August 2). *What is Firebase?* VentureBeat. Retrieved July 8, 2022, from <https://venturebeat.com/2021/08/02/what-is-firebase/>

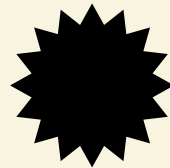


# Thanks!

Do you have any questions or suggestions?



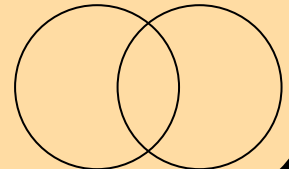
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