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# TheSpiceLoungeWeb

*Release 1.0.1*

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<b>7</b>	<b>We do things by the book in this department</b>	<b>25</b>



## INTRODUCTION

### 1.1 Overview

1. A Restuarant has number of tables. Each table has a tablet or smartphone with our ↪ app installed.
2. When customer takes the table, he can either order by himself using the table or ↪ call waiter to do so.
3. Also, customer can write special request to chef like - no onion or less spicy.
4. Once order is placed, Customer can check the whether his food is ready, still ↪ cooking or waiting to be cooked.
5. While he wait, he can surf various recipe of food items in entertainment section ↪ of app.
6. Once food is served, customer can give review to the food he/she has consume.
7. Of course, Customer can view reviews of different foods before he/she orders ↪ something.
8. After customer finishes his food, cashier checkouts and table is finally free.
9. Cashier only accepts cash and cards for now.
10. Manager can constantly moniter which table has customers and which are free.



## COMPONENTS OF RESTUARANT APP

### 2.1 1. Manager

- He can view all the food orders
- He can view all the table status (i.e. free or occupied)
- He can add, remove amd modify employees.

### 2.2 2. Cashier

- Can view all the table status (i.e. free or occupied).
- Can view all food orders of occupied table.
- Check out the customer and free the table.

### 2.3 3. Chef

- Can view list of all food orders.
- Can change the order status of food i.e. waiting to cooking and cooking to cooked.
- Can Add new food item in food menu.
- Can Delete food item from food menu.
- Can Modify food item of food menu.

### 2.4 4. Waiter

- Can change the order status of food i.e. cooked to served.
- Can cancel food orders order is still in waiting status.
- Can place order onbehalf of customer
- Can view feedbacks of food items.
- Can free the table.
- Similarly, Apart from Restuarant's employees Anonymous customer can considered as a component\*

## 2.5 5. Customer

- No login required.
- Can view Orders of different table. (It is not advised to put this function here.)
- Can order food directly to chef without the aid of waiter.
- Can view food review before order of any food.
- View order status of the ordered foods. (Like waiting, cooking, cooked or served)
- Can cancel the order only if order is still in waiting status.
- Can give feedback and rate stars only to served items.



## LOGIC FLOW

### 3.1 Project structure with Activity, fragment and classes

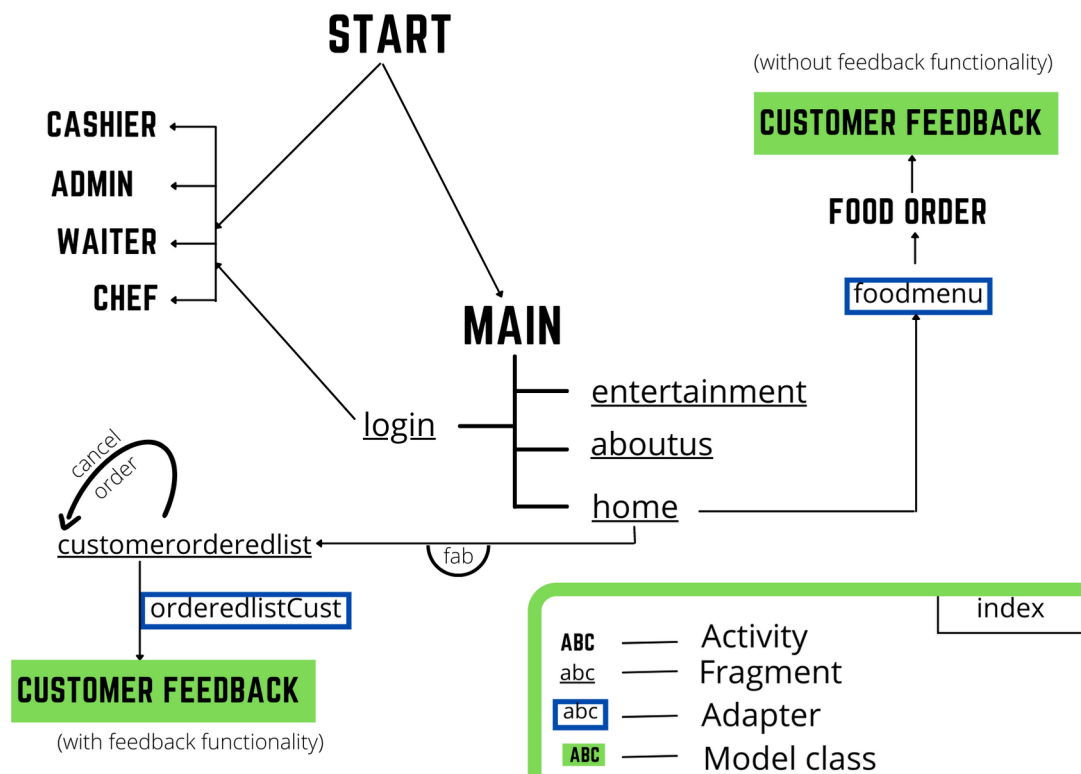


Fig. 1: Flow of control in different components

Here, what we can see is: As app opens we transit automatically from StartActivity to MainActivity. MainActivity has 4 fragments. Each fragments leads to different screens. *Entertainment* fragment redirects us to webview that offers us recipes of different food items. *AboutUs* fragment describes the Restuarant. *Login* (i.e. login) fragment can take us to CashierActivity, AdminActivity, WaiterActivity and ChefActivity. *HomeFragment*\*(i.e home) displays all the food items with the help of \**foodmenu* adapter. Upon click on food item we are transit to *FoodOrderActivity*. This activity uses model class *CustomerFeedback* with ability to submit feedbacks as hidden. Similarly, *HomeFragment* has a fab element, upon click on that fab - we are taken to another fragment called *CustomerOrderedListFragement*. It displays the ordered list with the help of adapter *OrderedListAdapterCust*. It also allows us to cancel the food order until food status is “WAITING”. Upon click we are transit to model class *CustomerFeedbackActivity* with abiltlity to submit feedbacks.

We'll further discuss on logic of different staffs.

### 3.2 1. CashierActivity

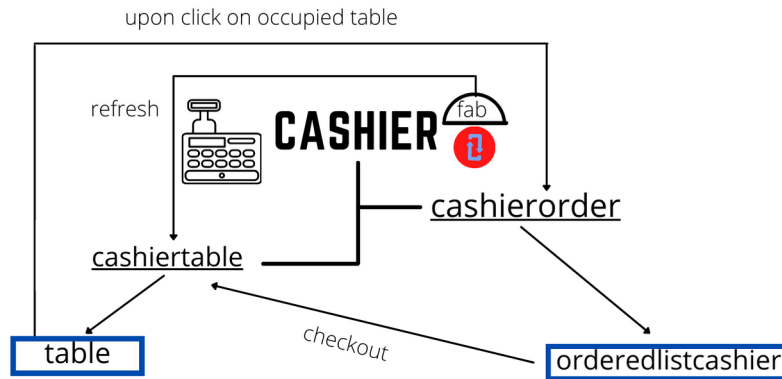


Fig. 2: Flow of control for cashier component in Project

Here, what we can see is:

### 3.3 2. AdminActivity

Admin is redirect to WebView which views the web version of admin panel. It is the Manager component of Restaurant.

### 3.4 3. WaiterActivity

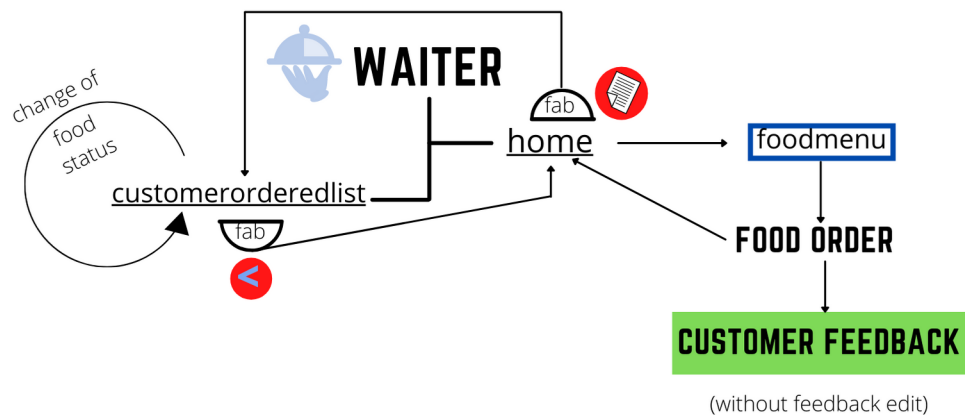


Fig. 3: Flow of control for waiter component in Project

Here, what we can see is:





## 4.1 1. Cashier

Function	Request type
List of ordered items (3)	GET
Checkout	PUSH
Table Information	GET

## 4.2 2. Customer

Function	Request type
Menu Item Display (3)	GET
Place Order (2)	POST
Feedbacks	POST
Feedbacks (2)	GET
Change in order's status (3)	PUSH
Login	GET

### 4.3 3. Waiter

Function	Request type
Menu Item Display (3)	GET
Place Order (2)	POST
Feedbacks (2)	GET
List of ordered items (3)	GET
Change in order's status (3)	PUSH
Login	GET

### 4.4 4. Chef

Function	Request type
Delete Item	POST
Edit Item	POST
Add Item	POST
Menu Item Display (2)	GET
List of ordered items (3)	GET
Change in order's status (3)	PUSH
Login	GET

## 4.5 Project apis

Location of all apis is `backendApis`

**Ex:** “`http://localhost/PROJECTS/TheSpiceLounge/apis/allFoodOrders.php`”

## IMPLEMENTATIONS

1. **Display the food items for:**

1. Customer (i.e. HomeFragment)
2. Waiter Activity

2. **Take orders from App and store that order in DB.**

1. Implement in Customer
2. Implement in Waiter

3. Take feedback from customer component and store that order in DB.

4. Show feedbacks from DB in real time.

5. **Show all Orders to**

1. Waiter component
2. Cashier component
3. Chef component

6. Implement food status changes like cooked, cooking, waiting, cancelled and served.

7. Implement checkout and cashier table

8. Implement Login

**Note:**

- Total price of all orders is calculated except food items with waiting status.
- Checkout Button is visible only when all food items is served.





## SCREENSHOTS

### 6.1 1. Manager

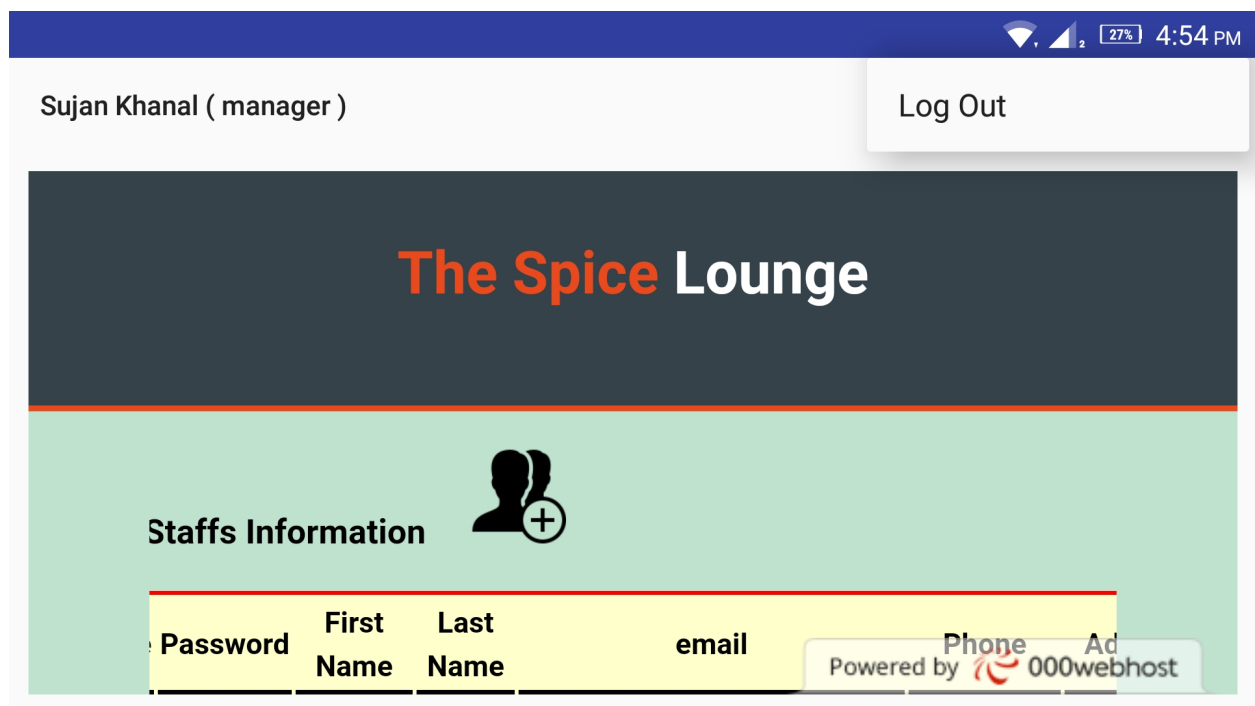


Fig. 1: Admin panel

### 6.2 2. Cashier

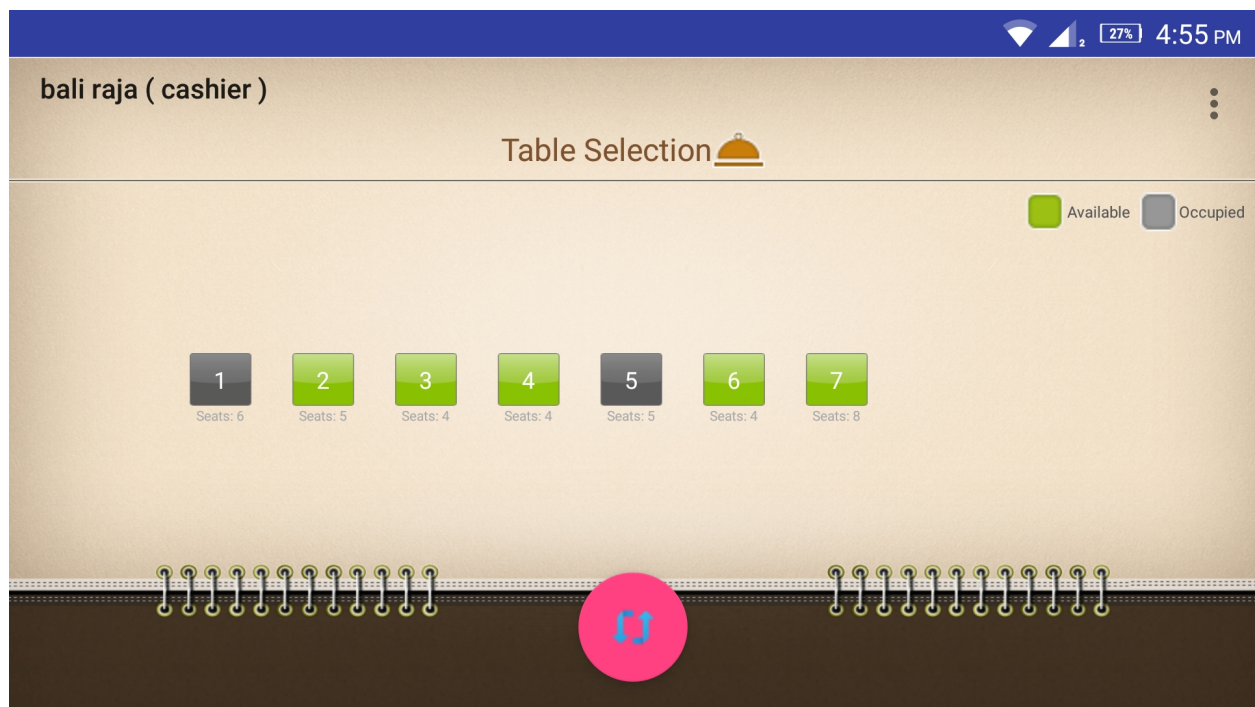


Fig. 2: Cashier panel



Fig. 3: Cashier can checkout table with all served food status.

6.3 3. Chef

28%

4:49 PM

biniram pandey ( chef )

S/n

Item

Time (mins)

Status

Qty

1

Chicken Mo Mo (Steam )

40

WAITING

2

Request: Ghfgh

2

Chicken Mo Mo (Steam )

40

WAITING

1

3

Chicken Mo Mo (Chilly )

40

COOKED

1

Request: Nun Kam

4

Mutton Mo Mo (Chilly )


40


SERVED

1

Request: TadkaNoon









Chicken Mo Mo( Steam )


Time : 40 Mins

★★★★★

Rs 250









Chicken Mo Mo( Fried )


Time : 35 Mins

★★★★★

Rs 180









Chicken Mo Mo( Chilly )


Time : 40 Mins

★★★★★

Rs 220









Chicken Mo Mo( Jhol )


Time : 50 Mins

★★★★★

Rs 230









Mutton Mo Mo( Chilly )


Time : 40 Mins

★★★★★

Rs 250




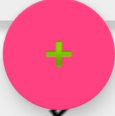




Mutton Mo Mo( Steam )

Time : 45 Mins





27%

4:49 PM

Description

₹ Price

🕒 Time (Mins)

Upload pic of food item.

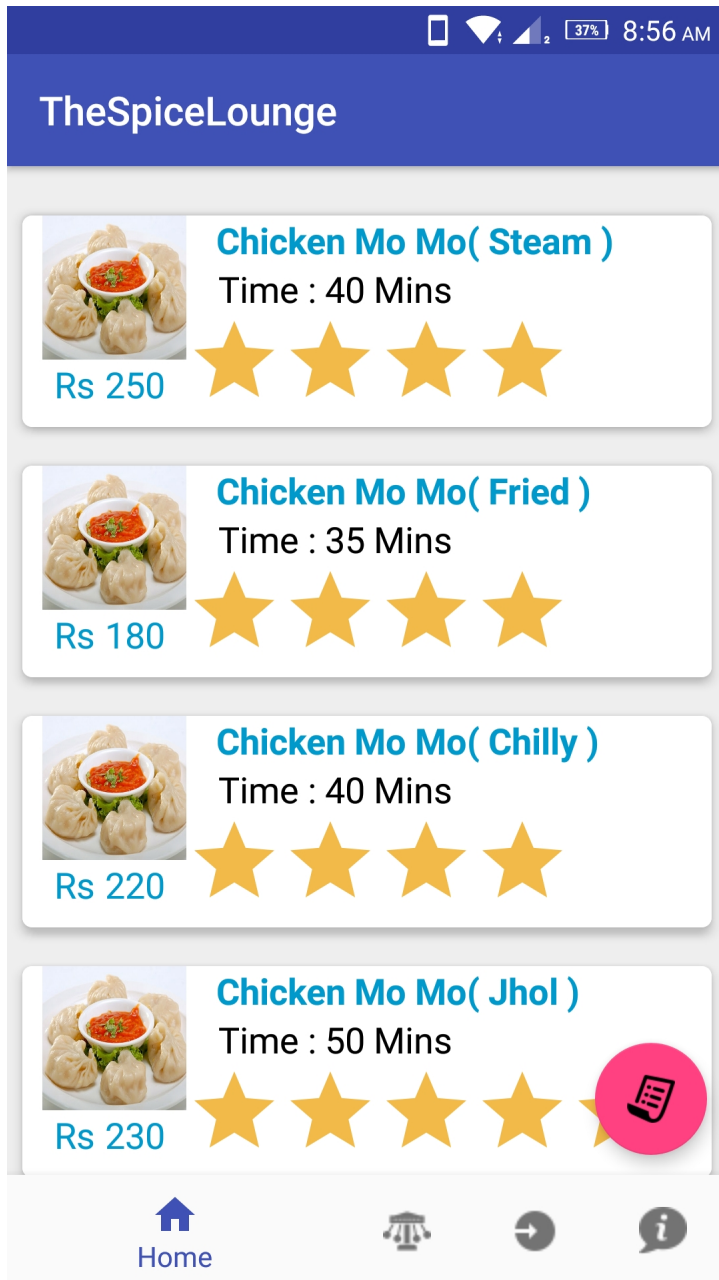
☐

Verify the details

ADD ITEM

This item will brings us more love.

## 6.4 4. Waiter



Rama Swami ( waiter )

Chicken Mo Mo( Steam )

Time : 40 Mins

Rs 250

Chicken Mo Mo( Fried )

Time : 35 Mins

Rs 180

Chicken Mo Mo( Chilly )

Time : 40 Mins

Rs 220

Chicken Mo Mo( Jhol )

Time : 50 Mins

Rs 230

Mutton Mo Mo( Chilly )

Time : 40 Mins

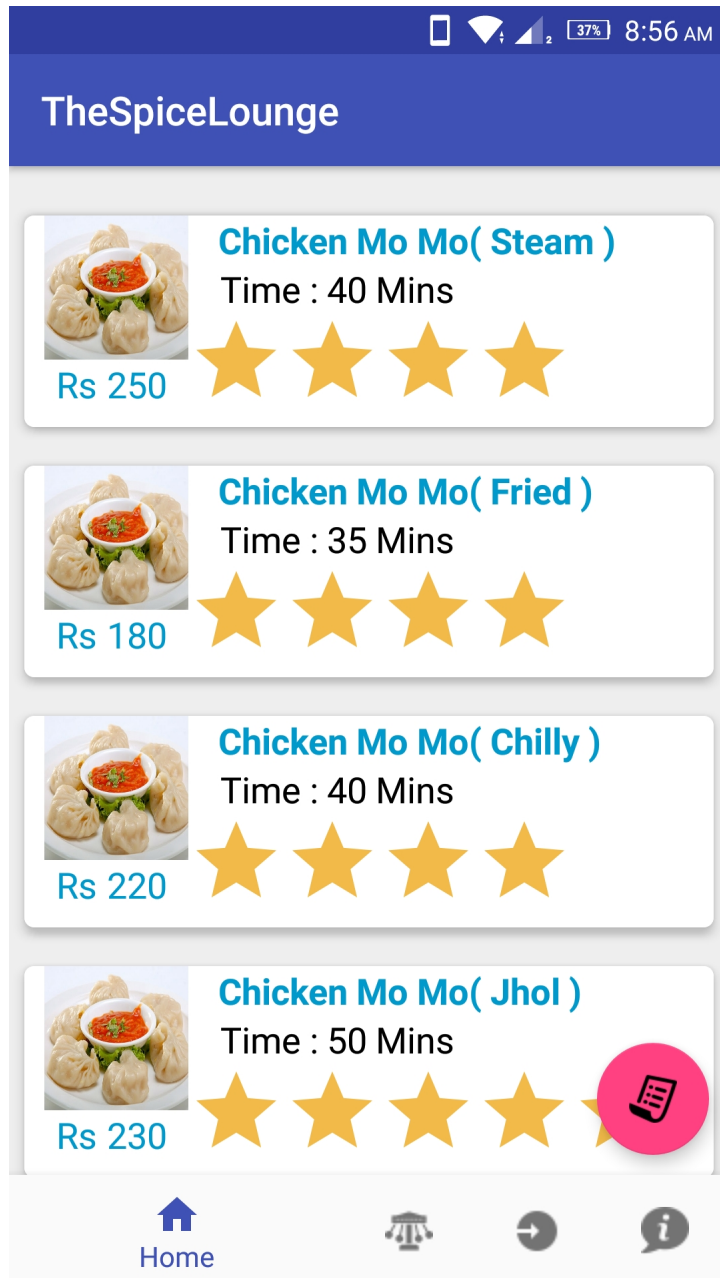
27%

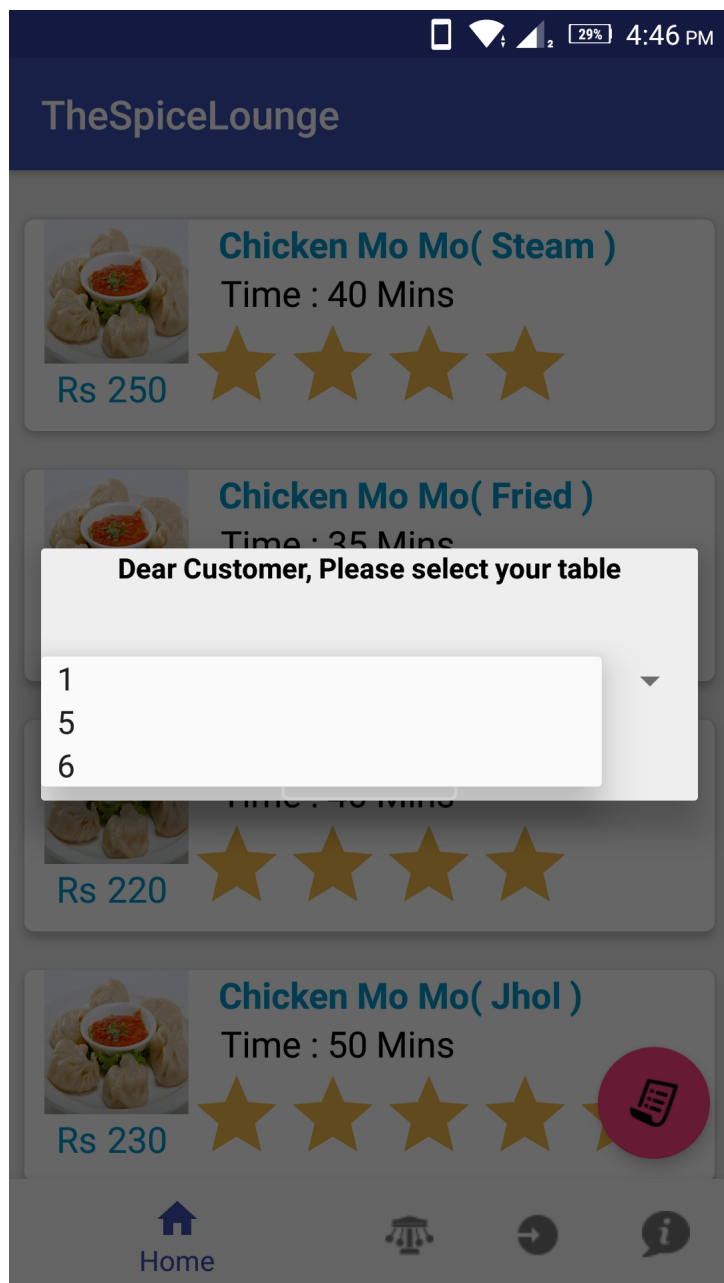
4:51 PM

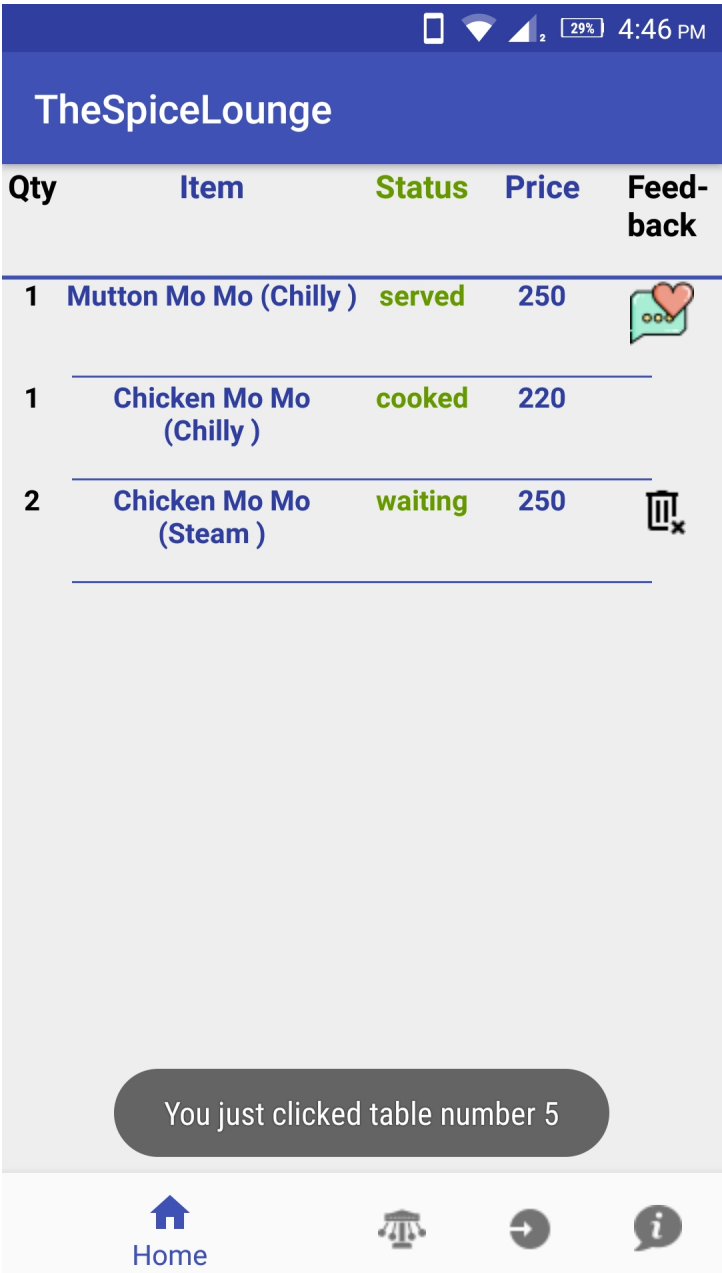
Rama Swami ( waiter )				
S/n	Item	Price	Qty	Status
1	Mutton Mo Mo (Chilly )	250	1	SERVED
2	Chicken Mo Mo (Chilly )	220	1	COOKED
3	Chicken Mo Mo (Steam )	250	2	COOKED
4	Chicken Mo Mo (Steam )	250	1	COOKED




## 6.5 5. Customer







TheSpiceLounge



Mutton Mo Mo (Chilly )  
★★★★★

Share your happiness and suggestion  
by giving us feedback here.

★★★★★

Awesome chutney.

Your Name Please

SUBMIT

Feedbacks by our lovely customers.

Wildstarz

ramrai thyo arko Pali ni aaula

★★★★★

**WE DO THINGS BY THE BOOK IN THIS DEPARTMENT**

*Coming soon*



Writing  
documentation

*ToDo*

O RLY?

*Someone else*