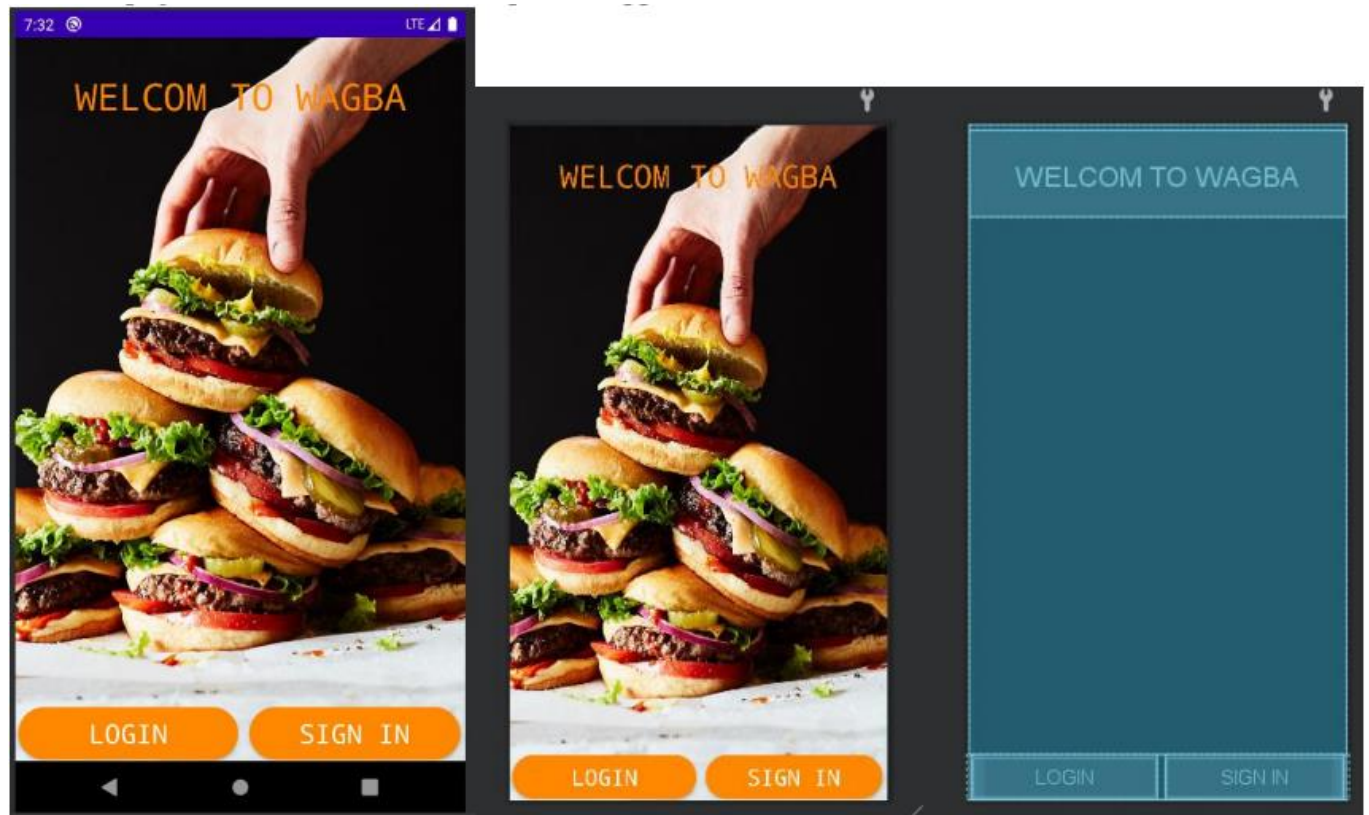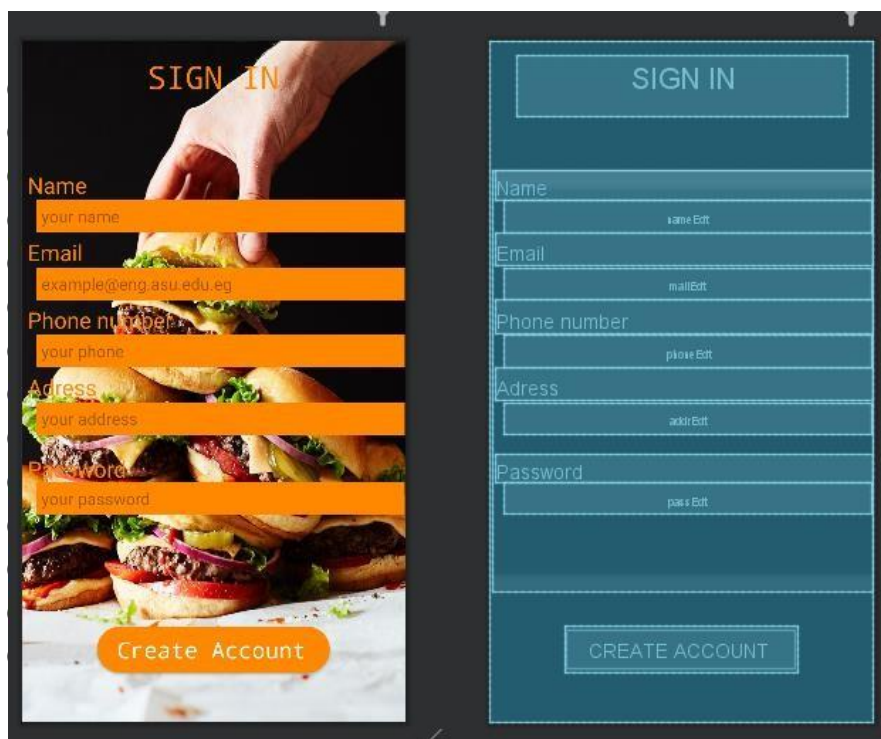# MOBILE PROGRAMMING

Name: Mohammed Makram Mahrous
ID:19p2645

1) Home Page

2) Sign In

⭕ **Test Cases**

User must insert all required info otherwise he won't sign in and the app will ask him to fill the fields

⭕ Enter all detail correctly (successfully signed in)

⭕ Trying to use non-Ain shams school mail

⭕ Uncomplete password

⭕ Leave a field without filling
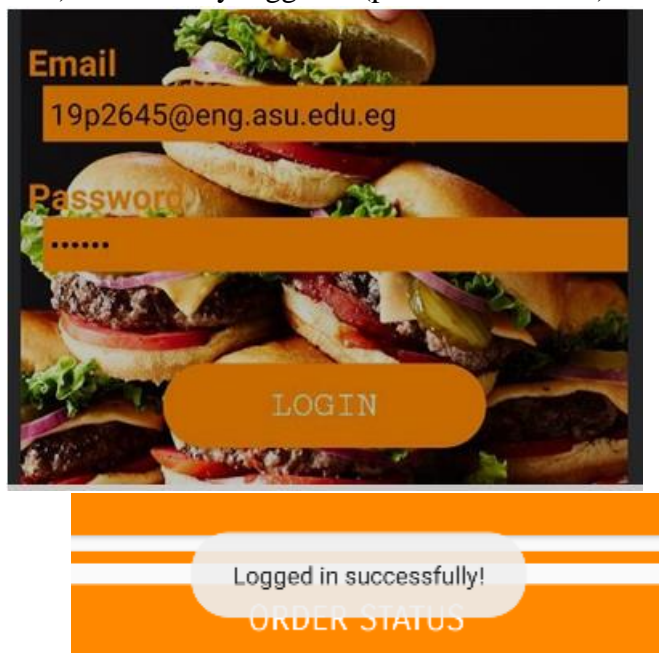

⭕ Fill all fields correctly but mail is already taken

3) Login Page

○ **Test Cases**

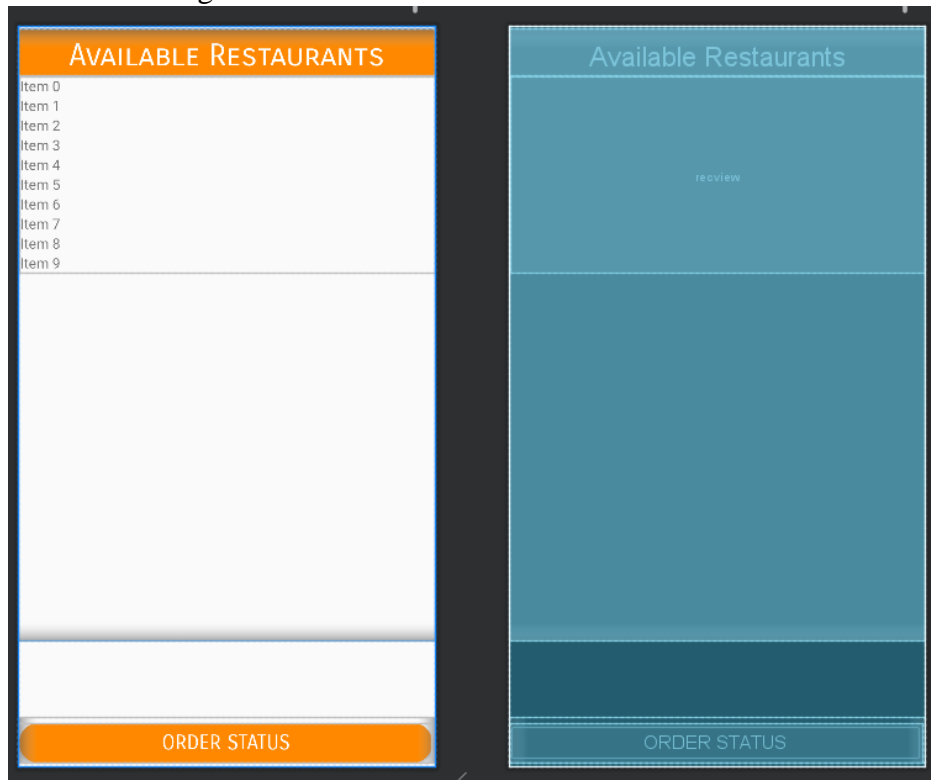1)Successfully logged in(password:666666)
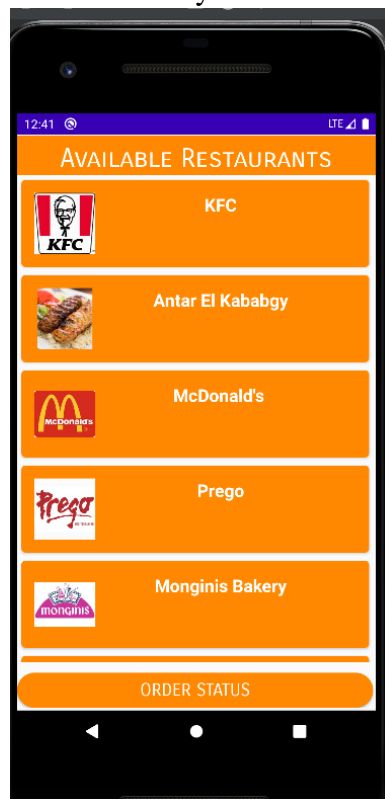
2) Wrong email or password

LOGIN

Email or Password is incorrect please try again

3) doesn't write password or email

Email

example@eng.asu.edu.eg

Email is required!

Password

Password

12345 . . .

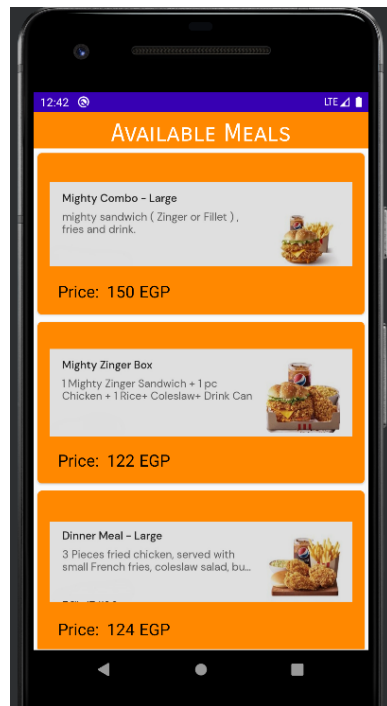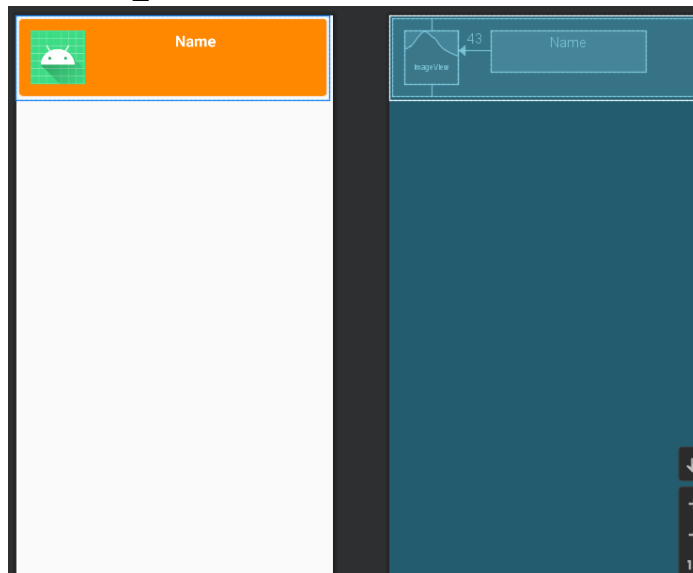Password is required!

LOGIN

4) Restaurants Page

- Test cases
  When click any restaurants it available meals appears

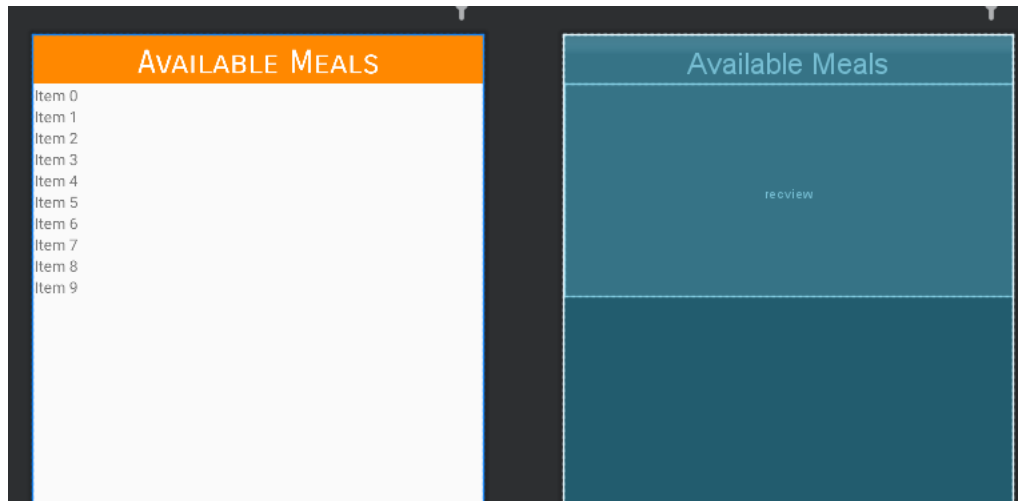Click on KFC
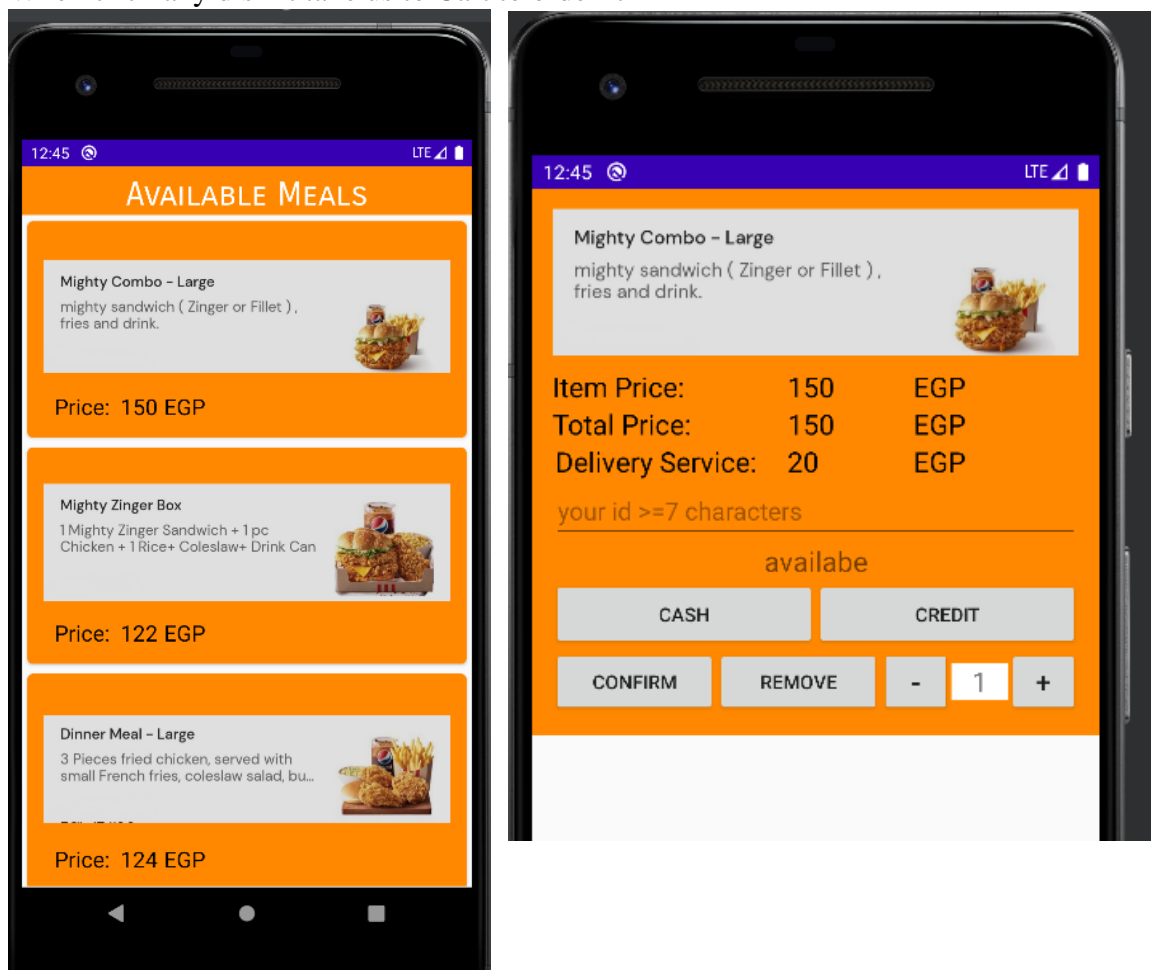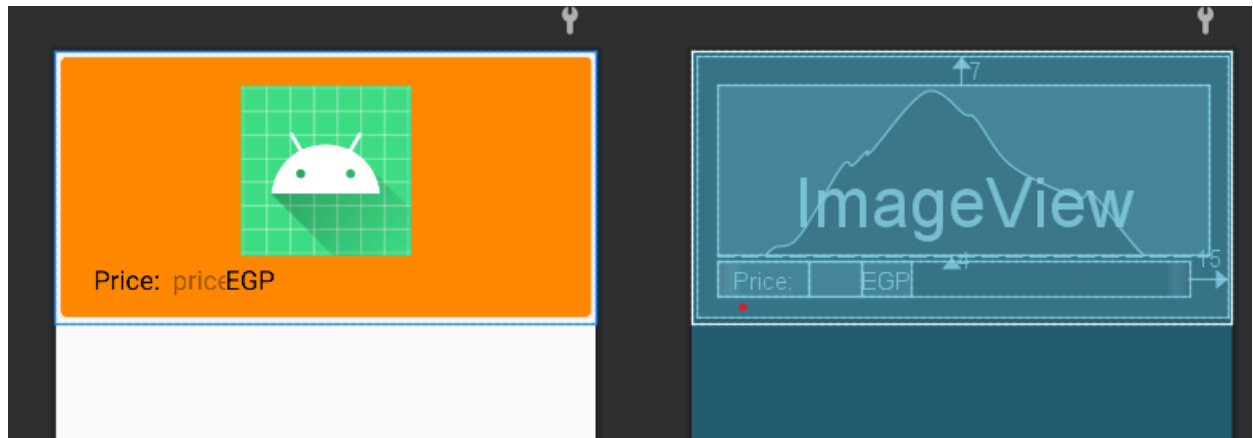
5) Retaurant_iteem

6) Dishes

When click any dish it take us to Cart to order it

7) Dish Item

8) Cart Page
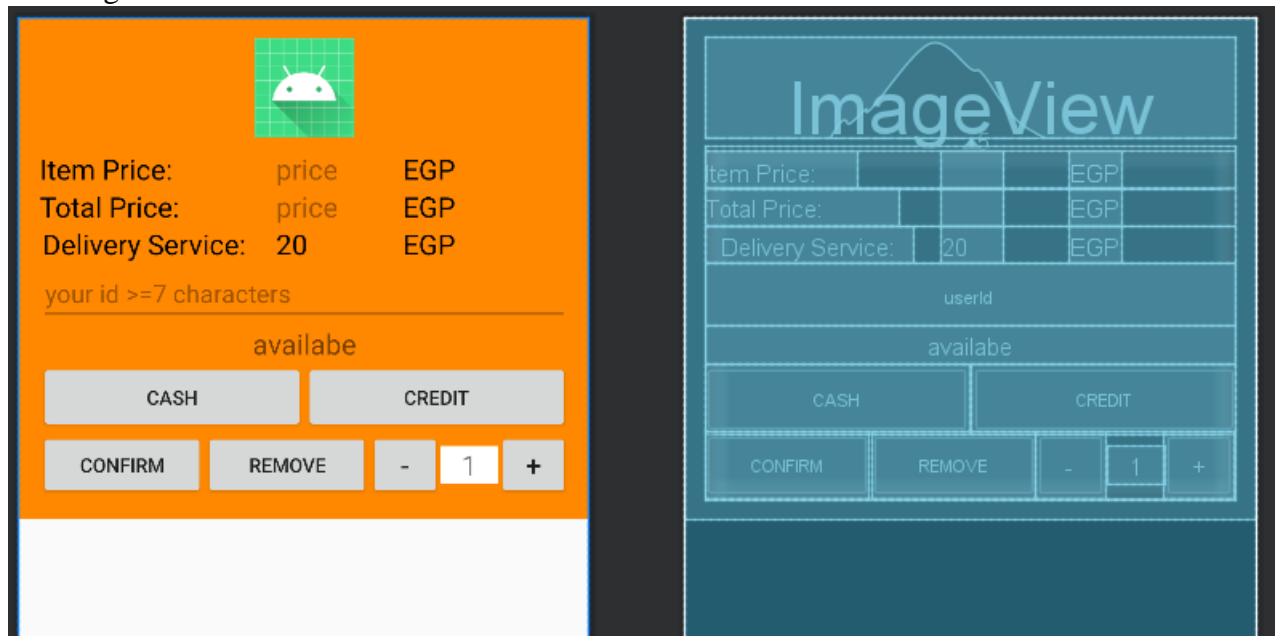
- Test Cases
    1. Not enter id that the restaurant app use to update order status and add order to accepted orders
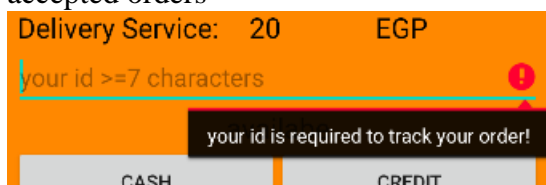
2. Select numbers of meals more than available

3. Right order details take us to order status page

9) Order status
User must enter id the he has entered during ordering so that he can track the order, he also should click on button every period of time to see his order final state, if he entered wrong id he will not able to track his order
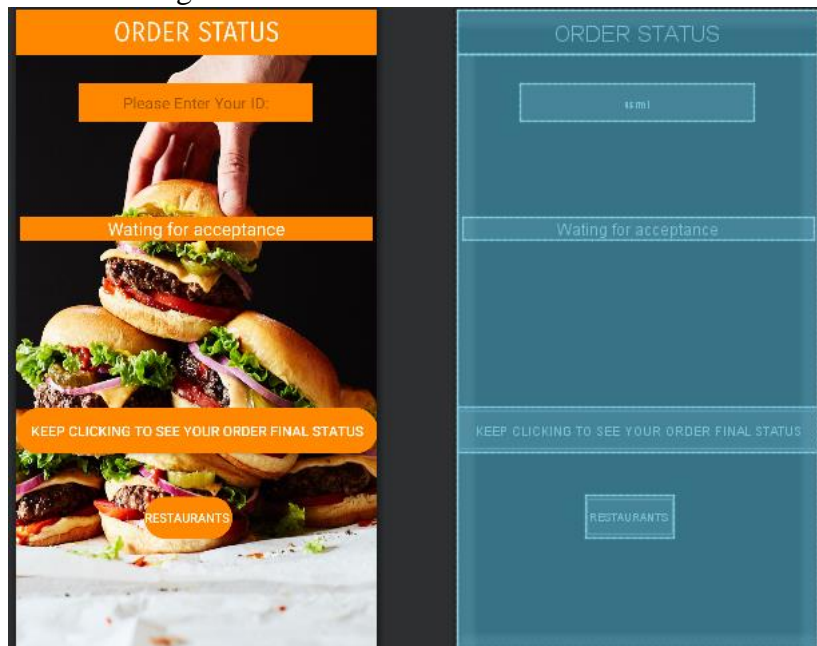
- When order and restaurant accept order

- Update status

For Restaurant Admin App
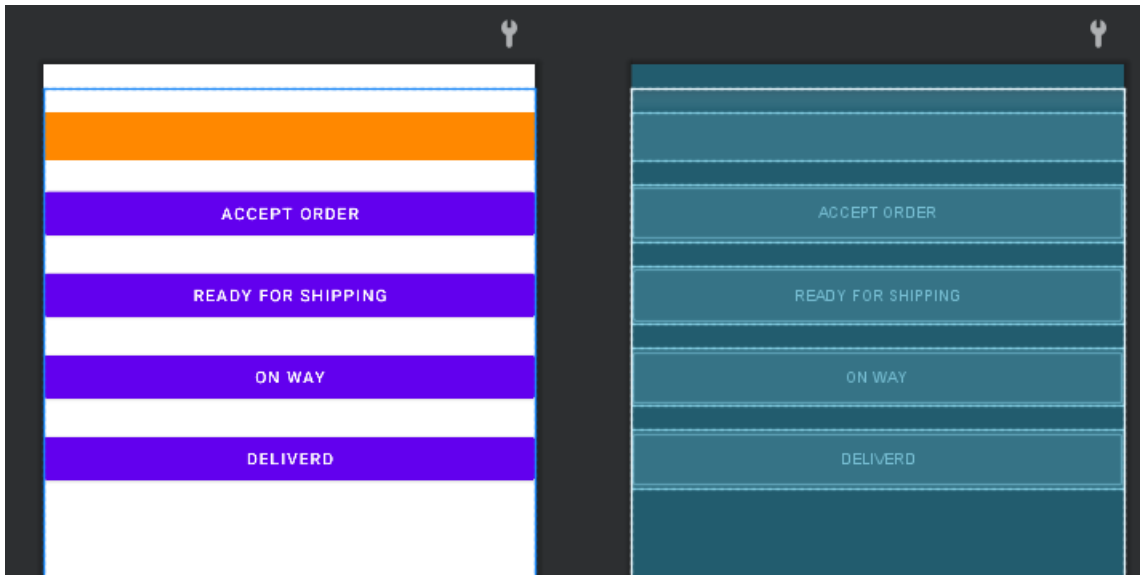
- Java Code

```java
package com.example.restaurantadmin;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;


import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.ValueEventListener;

import java.util.HashMap;
import java.util.Map;
import java.util.Objects;

public class MainActivity extends AppCompatActivity {

    private Button Accept,OnWay,Shipped,Deliverd;
    private TextView Received;
    private FirebaseDatabase firebaseDatabase;
    private DatabaseReference databaseRef, writeRef;
    String UserID;
```
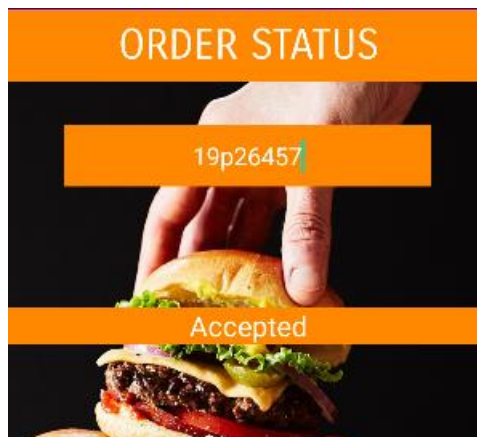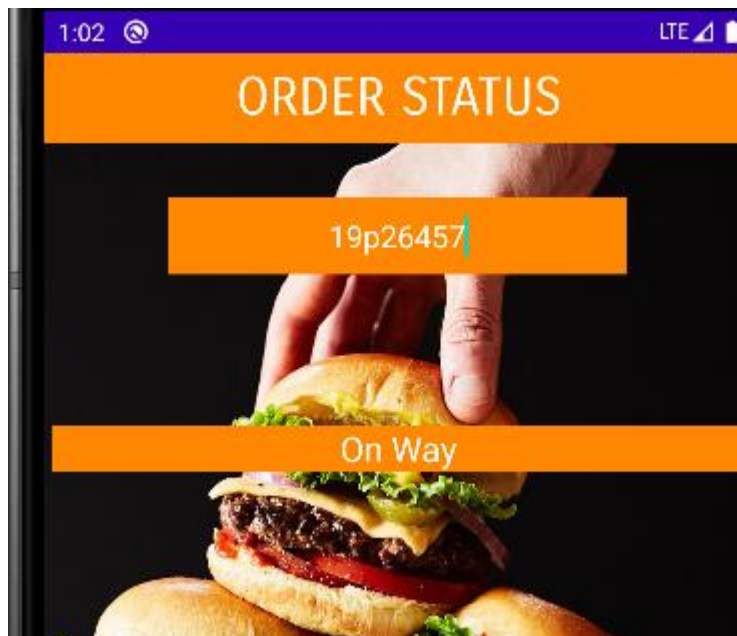
```java
    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        firebaseDatabase=FirebaseDatabase.getInstance();

        Accept=findViewById(R.id.accept);
        OnWay=findViewById(R.id.onWay);
        Shipped=findViewById(R.id.ship);
        Deliverd=findViewById(R.id.deleiverd);
        Received=findViewById(R.id.receiveOrder);



databaseRef=firebaseDatabase.getReference().child("Orders").child("O
rder Details");
        databaseRef.addValueEventListener(new ValueEventListener() {
            @Override
            public void onDataChange(@NonNull DataSnapshot snapshot)
{
                String val =snapshot.child("Order
status").getValue().toString();
                Received.setText(val);
                UserID
=snapshot.child("UserID").getValue().toString();
            }

            @Override
            public void onCancelled(@NonNull DatabaseError error) {

            }
        });

        Accept.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                databaseRef.child("Order
status").setValue("Accepted");

writeRef=firebaseDatabase.getReference().child("Accepted
Orders").child(UserID);
                writeRef.setValue("Accepted");

            }
        });

        Shipped.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                writeRef.setValue("Order Cooking finshed and ready
for shipping");
                Received.setText("ready for shipping");
            }
```

```java
            });

        OnWay.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                writeRef.setValue("On Way");
                Received.setText("On way");
            }
        });

        Deliverd.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                writeRef.setValue("Order Delivered");
                Received.setText("Delivered");

            }
        });

    }


}
```