

Code & Layouts

User Application

Login Activity

```
package com.example.wagba_application;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

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

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;

public class LoginActivity extends AppCompatActivity {

    EditText usernametxtin;
    EditText passwordtxtin;
    Button loginbtn;
    TextView tvsignuphere;
    FirebaseAuth auth;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        usernametxtin = findViewById(R.id.username_log);
        passwordtxtin = findViewById(R.id.password_log);
        loginbtn = findViewById(R.id.login_btn);
        tvsignuphere = findViewById(R.id.tv_signup_here);

        auth = FirebaseAuth.getInstance();

        loginbtn.setOnClickListener(view -> {
            loginUser();
        });

        tvsignuphere.setOnClickListener(view -> {
            startActivity(new Intent(LoginActivity.this, SignUpActivity.class));
        });
        // signInButton=findViewById(R.id.signin_btn);
        //
        // GoogleSignInOptions googleSignInOptions =new
        GoogleSignInOptions.Builder(GoogleSignInOptions.DEFAULT_SIGN_IN)
        //     .requestIdToken(getString(R.string.default_web_client_id))
        //     .requestEmail()
        //     .build();
        //
    }

    private void loginUser()
```

```

{
    String username=usernametxtin.getText().toString();
    String password=passwordtxtin.getText().toString();

    if(TextUtils.isEmpty(username))
    {
        usernametxtin.setError("Email can't be Empty");
        usernametxtin.requestFocus();
    }else if(TextUtils.isEmpty(password))
    {
        passwordtxtin.setError("Password can't be Empty");
        passwordtxtin.requestFocus();
    }else{

auth.signInWithEmailAndPassword(username,password).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
    @Override
    public void onComplete(@NonNull Task<AuthResult> task) {
        if (task.isSuccessful())
        {
            Toast.makeText(LoginActivity.this,"User Login
Successful",Toast.LENGTH_SHORT).show();
            startActivity(new
Intent(LoginActivity.this,MainActivity.class));

        }else {
            Toast.makeText(LoginActivity.this,"Login
Error"+task.getException().getMessage(),Toast.LENGTH_SHORT).show();
        }
    }
});
    }
}
}
}

```

Test account credentials with login information

Wagba Application
Go to docs
D
?

Authentication
Users Sign-in method Templates Usage Settings

Search by email address, phone number, or user UID
Add user

Identifier	Providers	Created ↓	Signed In	User UID
khaled@gmail.com	✉	Jan 2, 2023		6Ob9A7QOJkcihiPVnkOPik2G3wJ3
admin@gmail.com	✉	Jan 2, 2023		MVify2Y5piNIZPDbFoIASihLtZh1
saad@gmail.com	✉	Jan 2, 2023		mMq9eMOgcQMJEzV7o0NMrioQ...
ahmed@gmail.com	✉	Dec 30, 2022	Jan 2, 2023	Sv3LIS1AR4rx1RQ9kCCBIYJpnS2

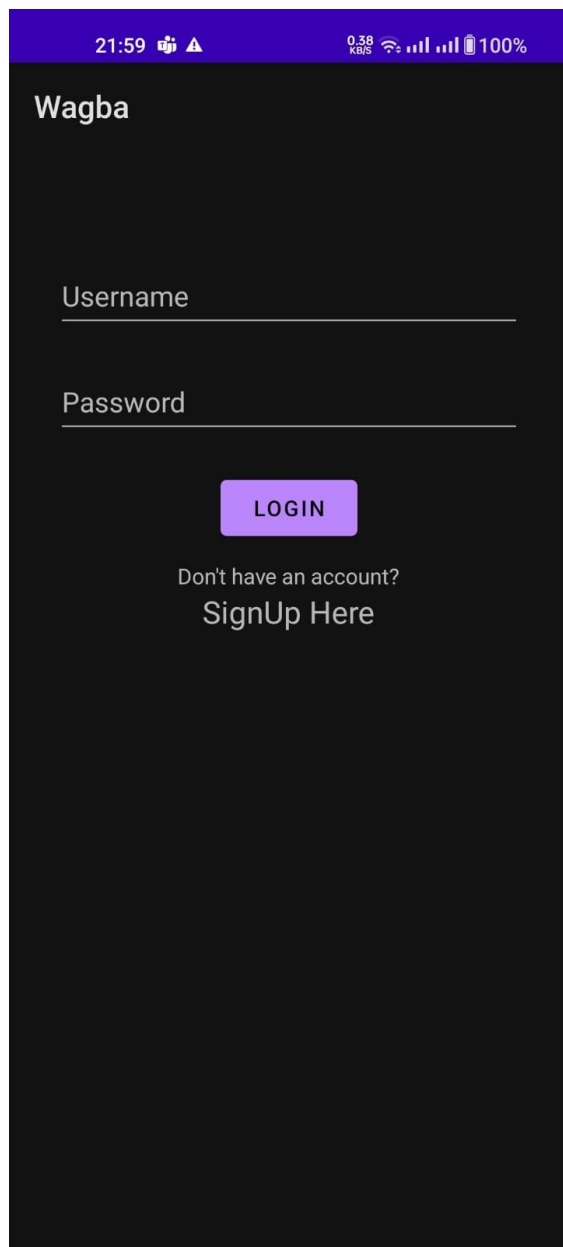
Rows per page: 50
1 - 4 of 4

ahmed@gmail.com pass: ahmed123

khaled@gmail.com pass: khaled123

saad@gmail.com pass: saad123

These for Login in user application



The screenshot shows a mobile application interface for 'Wagba'. At the top, there is a status bar with the time 21:59, signal strength, and battery level at 100%. Below the status bar, the app name 'Wagba' is displayed in white text on a dark background. Underneath, there are two input fields: 'Username' and 'Password', both with white text and underlined. A blue 'LOGIN' button is positioned below the password field. At the bottom, there is a link that says 'Don't have an account? SignUp Here' in white text.

Logging in with ahmed@gmail.com pass: ahmed123

22:42



46.0
KB/S



100%

Wagba

ahmed@gmail.com

ahmed123

LOGIN

Don't have an account?

[SignUp Here](#)

Wagba

LOGOUT



Abo Mazen



Arabiata



Burger King



Chicken Fila



Cook Door



Koshary Hend



User Login Successful

Activity_login

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:layout_margin="30dp"
    android:gravity="center_horizontal"
    >

    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/logo"
        android:layout_gravity="center"
        android:adjustViewBounds="true"
        android:scaleType="centerCrop"

        />

    <EditText
        android:layout_marginTop="40dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/username"
        android:hint="Username"
        android:minHeight="48dp"
        />

    <EditText
        android:layout_marginTop="20dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/password"
        android:hint="Password"
        android:minHeight="48dp"
        />

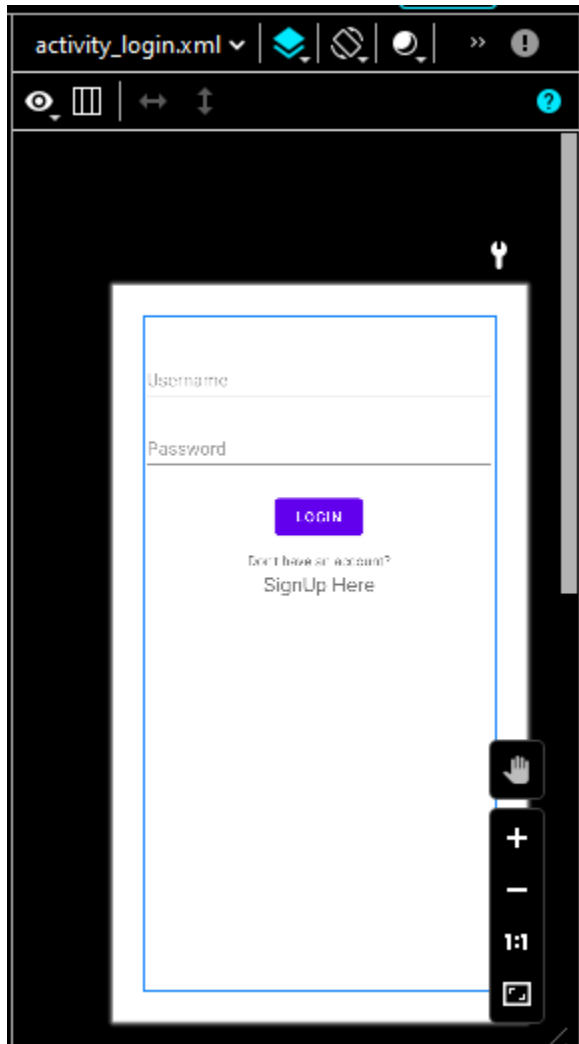
    <Button
        android:layout_marginTop="20dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/Login"
        android:id="@+id/loginbtn"
        />

    <TextView
        android:layout_marginTop="10dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/don_t_have_an_account"
        />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:text="SignUp Here"
        android:id="@+id/tvsignuphere">
```



```
</TextView>  
</LinearLayout>
```



SignUp activity

```
package com.example.wagba_application;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

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

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;

public class SignUpActivity extends AppCompatActivity {

    EditText usernametxtup;
    EditText passwordtxtup;
    Button signupbtn;
    TextView tvLoginhere;

    FirebaseAuth auth;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_sign_up);
        usernametxtup=findViewById(R.id.usernameup);
        passwordtxtup=findViewById(R.id.passwordup);
        signupbtn=findViewById(R.id.signupbtn);
        tvLoginhere=findViewById(R.id.tvloginhere);

        auth =FirebaseAuth.getInstance();

        signupbtn.setOnClickListener(view ->{
            createUser();
        });

        tvLoginhere.setOnClickListener(view -> {
            startActivity(new Intent(SignUpActivity.this,LoginActivity.class));
        });
    }

    private void createUser(){
        String username=usernametxtup.getText().toString();
        String password=passwordtxtup.getText().toString();

        if(TextUtils.isEmpty(username))
        {
            usernametxtup.setError("Email can't be Empty");
            usernametxtup.requestFocus();
        }else if(TextUtils.isEmpty(password))
        {
            passwordtxtup.setError("Password can't be Empty");
            passwordtxtup.requestFocus();
        } else{
```

```

auth.createUserWithEmailAndPassword(username,password).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
    @Override
    public void onComplete(@NonNull Task<AuthResult> task) {
        if(task.isSuccessful()){
            Toast.makeText(SignUpActivity.this,"User SignedUp
Successfully",Toast.LENGTH_SHORT).show();
            startActivity(new
Intent(SignUpActivity.this,LoginActivity.class));
        }else{
            Toast.makeText(SignUpActivity.this,"SignUp
Error"+task.getException().getMessage(),Toast.LENGTH_SHORT).show();
        }
    }
});
}
}
}
}

```

22:02



0.14
KB/S



Wagba

Username

Password

SIGNUP

[LogIn Here](#)

activity_sign_up

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:layout_margin="30dp"
    android:gravity="center_horizontal"
    >

    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/logo"
        android:layout_gravity="center"
        android:adjustViewBounds="true"
        android:scaleType="centerCrop"

        />

    <EditText
        android:layout_marginTop="40dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/usernameup"
        android:hint="Username"
        android:minHeight="48dp"
        />

    <EditText
        android:layout_marginTop="20dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/passwordup"
        android:hint="Password"
        android:minHeight="48dp"
        />

    <Button
        android:layout_marginTop="20dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/Signup"
        android:id="@+id/signupbtn"
        />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:text="LogIn Here"
        android:id="@+id/tvloginhere"
        >

    </TextView>

</LinearLayout>
```



Main Activity

```
package com.example.wagba_application;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.util.Log;
import android.view.View;
import android.widget.Button;

import androidx.recyclerview.widget.GridLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
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.ArrayList;
public class MainActivity extends AppCompatActivity implements
RestaurantRecyclreViewInterface {
    RecyclerView recyclerView;
    ArrayList<RestaurantsInfoModel> restaurantsInfoModels =new ArrayList<>();
    Button logoutbtn;
    Button profdatabtn;
    String value1;
    String value2;
    String value3;
    String value4;
    String value5;
    String value6;
    String value7;
    String value8;
    String value9;
    String value10;

    FirebaseAuth auth;
    FirebaseDatabase database;
    @Override
    protected void onStart() {
        super.onStart();
        auth = FirebaseAuth.getInstance();
        FirebaseUser user=auth.getCurrentUser();
        if(user==null)
        {
            startActivity(new Intent(MainActivity.this,LoginActivity.class));
        }
    }

    @SuppressWarnings("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        //FireBase DataBase//
        database = FirebaseDatabase.getInstance("https://wagba-application-93ef9-
default-rtdb.firebaseio.com/");
        DatabaseReference myRef = database.getReference("Restaurants");

        myRef.addValueEventListener(new ValueEventListener() {
            @Override
            public void onDataChange(@NonNull DataSnapshot snapshot) {
                value1=(String) snapshot.child("Abo Mazen").getValue().toString();
                value2=(String) snapshot.child("Arabiata").getValue().toString();
                value3=(String) snapshot.child("Burger King").getValue().toString();

                value4=(String) snapshot.child("Chicken Fila").getValue().toString();
                value5=(String) snapshot.child("Cook Door").getValue().toString();
                value6=(String) snapshot.child("Koshary Hend").getValue().toString();

                value7=(String) snapshot.child("Koshary
Tahrir").getValue().toString();
                value8=(String) snapshot.child("Papa John's").getValue().toString();
                value9=(String) snapshot.child("Pizza Hut").getValue().toString();
                value10=(String) snapshot.child("TaTa Seafood").getValue().toString();

                Log.d("firebase","WE SSSSSSSSSSSSSSS ");
            }
        });
    }
}

```

```

        if(value1 == null || value2==null || value3==null ||
        value4 == null || value5==null || value6==null ||
        value7 == null || value8==null || value9==null ||value10==null)
        {
            Log.d("firebase","WE FFFFFFFFFFFFFFFF ");
        }
        restaurantsInfoModels.add(new
RestaurantsInfoModel (value1,R.drawable.abo_mazen));
        restaurantsInfoModels.add(new
RestaurantsInfoModel (value2,R.drawable.arabiata));
        restaurantsInfoModels.add(new
RestaurantsInfoModel (value3,R.drawable.burger_king));
        restaurantsInfoModels.add(new
RestaurantsInfoModel (value4,R.drawable.chicken_fila));
        restaurantsInfoModels.add(new
RestaurantsInfoModel (value5,R.drawable.cook_door));
        restaurantsInfoModels.add(new
RestaurantsInfoModel (value6,R.drawable.koshary_hend));
        restaurantsInfoModels.add(new
RestaurantsInfoModel (value7,R.drawable.koshary_tahrir));
        restaurantsInfoModels.add(new
RestaurantsInfoModel (value8,R.drawable.papa_john_s));
        restaurantsInfoModels.add(new
RestaurantsInfoModel (value9,R.drawable.pizza_hut));
        restaurantsInfoModels.add(new
RestaurantsInfoModel (value10,R.drawable.tata_seafood));
    }

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

    }

});

logoutbtn=findViewById(R.id.logoutbtn);
logoutbtn.setOnClickListener(view -> {
    auth.signOut();
    startActivity(new Intent (MainActivity.this,LoginActivity.class));
});

recyclerView=findViewById(R.id.rv_restaurants);
RestaurantInfoAdapter restaurantInfoAdapter=new
RestaurantInfoAdapter (restaurantsInfoModels,this);
recyclerView.setAdapter (restaurantInfoAdapter);
recyclerView.setLayoutManager (new GridLayoutManager (this,2));

}

@Override
public void OnItemClick(int position) {
    Intent dishIntent = new Intent (MainActivity.this, DishActivity.class);
    dishIntent.putExtra ("pos",position);
    startActivity (dishIntent);
}
}

```


21:57

49.0 KB/S 100%

Wagba

LOGOUT



Abo Mazen



Arabiata



Burger King



Chicken Fila



Cook Door



Koshary Hend

RestaurantInfoAdapter

```
package com.example.wagba_application;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import java.util.ArrayList;

public class RestaurantInfoAdapter extends
RecyclerView.Adapter<RestaurantInfoAdapter.ViewHolder> {
    private final RestaurantRecycleViewInterface restaurantRecycleViewInterface;
    ArrayList<RestaurantsInfoModel>restaurantsInfoModelsInternal;

    public RestaurantInfoAdapter(ArrayList<RestaurantsInfoModel>
restaurantsInfoModels,RestaurantRecycleViewInterface restaurantRecycleViewInterface)
{
        this.restaurantsInfoModelsInternal = restaurantsInfoModels;
        this.restaurantRecycleViewInterface=restaurantRecycleViewInterface;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {

        Context context=parent.getContext();
        LayoutInflater inflater=LayoutInflater.from(context);
        View view =inflater.inflate(R.layout.restaurant_item,parent,false);
        ViewHolder viewholder=new ViewHolder(view);
        return viewholder;
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
        RestaurantsInfoModel
restaurantsInfoModel=restaurantsInfoModelsInternal.get(position);
        holder.name.setText(restaurantsInfoModel.getName());

        holder.imgv.setImageDrawable(holder.itemView.getContext().getDrawable(restaurantsInfoModel.getImg()));
    }

    @Override
    public int getItemCount() {
        return restaurantsInfoModelsInternal.size();
    }

    public class ViewHolder extends RecyclerView.ViewHolder {
        TextView name;
        ImageView imgv;

        public ViewHolder(@NonNull View itemView) {
            super(itemView);
            name=itemView.findViewById(R.id.restaurant_name);
            imgv=itemView.findViewById(R.id.restaurant_image);
        }
    }
}
```

```

        itemView.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(restaurantRecyclreViewInterface!= null){
                    int pos =getAdapterPosition();
                    if(pos != RecyclerView.NO_POSITION)
                    {
                        restaurantRecyclreViewInterface.OnItemClick(pos);
                    }
                }
            }
        });
    }
}
}

```

RestaurantRecyclreViewInterface

```

package com.example.wagba_application;

public interface RestaurantRecyclreViewInterface {
    void OnItemClick(int position);
}

```

RestaurantsInfoModel

```

package com.example.wagba_application;

public class RestaurantsInfoModel {
    private String name;
    private Integer img;

    public RestaurantsInfoModel(String name, Integer img) {
        this.name = name;
        this.img = img;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getName() {
        return name;
    }

    public Integer getImg() {
        return img;
    }

    public void setImg(Integer img) {
        this.img = img;
    }
}

```

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">
    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:layout_gravity="center">

        <!--      <Button
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Profile Data"
            android:id="@+id/prof_data"
            android:layout_marginRight="10dp"

            >

        </Button>-->

        <Button
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Logout"
            android:id="@+id/logoutbtn"

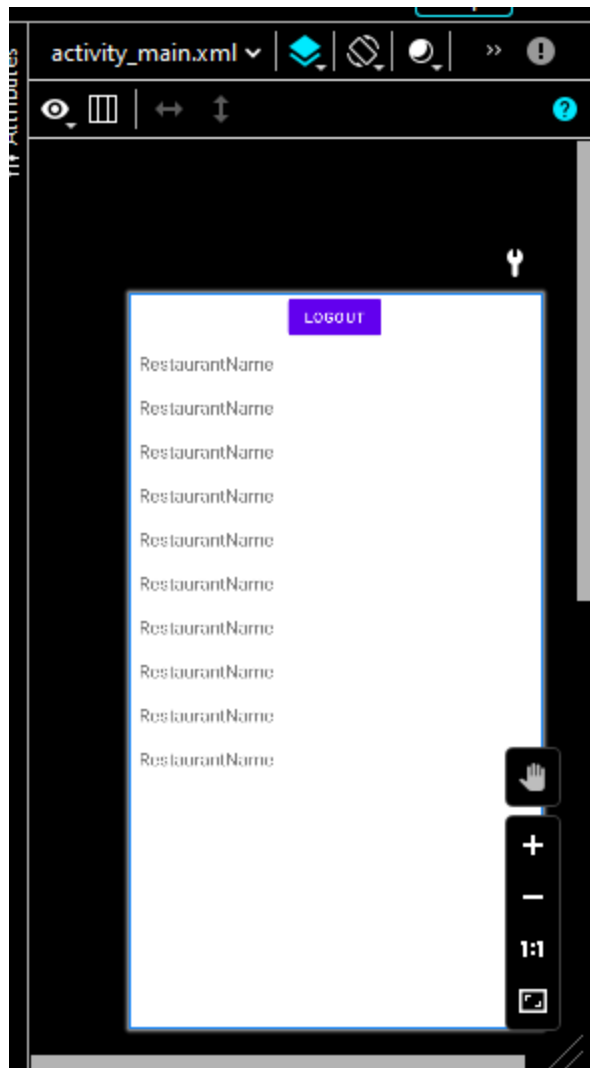
            >
        </Button>

    </LinearLayout>

    <androidx.recyclerview.widget.RecyclerView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/rv_restaurants"
        tools:listitem="@layout/restaurant_item"
        android:contentDescription="@string/app_name"
        />

    <!--<androidx.recyclerview.widget.RecyclerView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/rv_order_details_item"
        tools:listitem="@layout/order_details_item"
        android:contentDescription="@string/app_name"
        />-->

</LinearLayout>
```



restaurant_item.xml

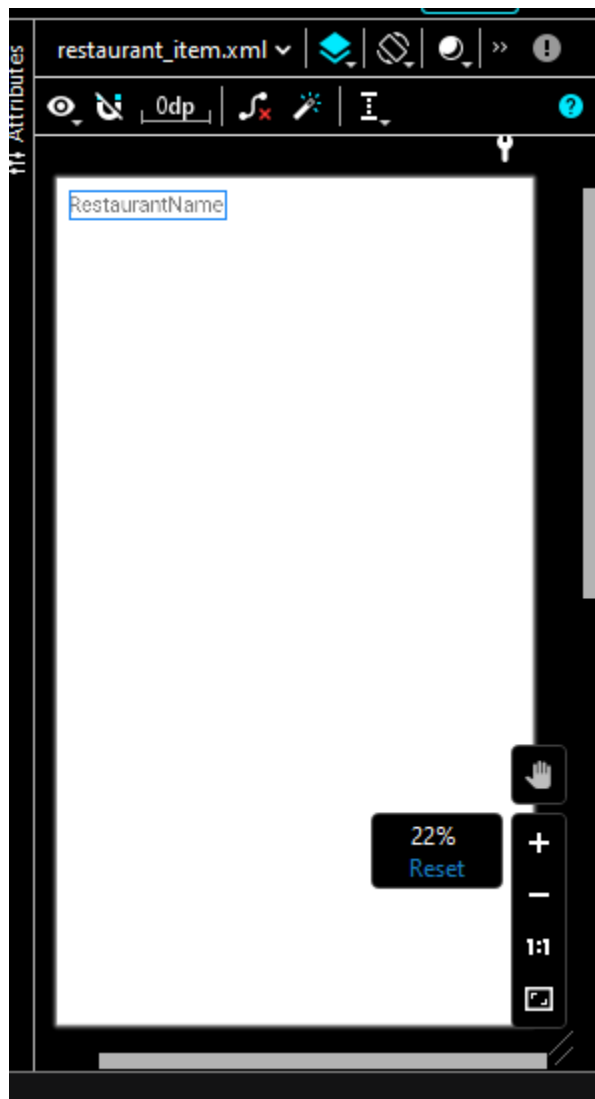
```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_margin="10dp">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/restaurant_image"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        android:adjustViewBounds="true"
        android:scaleType="centerCrop"
    />
```

```
<TextView
    android:id="@+id/restaurant_name"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="@id/restaurant_image"
    app:layout_constraintTop_toBottomOf="@id/restaurant_image"
    android:text="@string/RestaurantName"
    android:textSize="18dp"

/>

</androidx.constraintlayout.widget.ConstraintLayout>
```



DishActivity

```
package com.example.wagba_application;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.widget.Button;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.GridLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
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.ArrayList;
import java.util.Objects;
public class DishActivity extends AppCompatActivity implements
DishRecyclerViewInterface {
    int pos;
    int rest_pos;
    int number_of_times_pressed=1;
    RecyclerView recyclerView;
    ArrayList<DishInfoModel> dishInfoModels = new ArrayList<>();
    ArrayList<DishInfoModel> dishesarr = new ArrayList<>();
    FirebaseDatabase databasedish;
    FirebaseAuth auth;
    String v1,v2,v3;
    Button add_to_cartbtn;
    String uid="id";
    boolean status_done=true;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_dish);
        Intent dishIntent = getIntent();
        pos = dishIntent.getIntExtra("pos", 0);
        rest_pos=pos;
        Log.d("firebase", Integer.toString(pos));

        //FireBase DataBase//
        databasedish = FirebaseDatabase.getInstance("https://wagba-application-93ef9-
default-rtdb.firebaseio.com/");
        DatabaseReference myRef = databasedish.getReference("Dishes");

        //remove
        //FireBase Auth
        auth=FirebaseAuth.getInstance();
        FirebaseUser user=auth.getCurrentUser();
        if(user!=null){
            Log.d("CART", user.getUid());
            uid=user.getUid();
        }
        DatabaseReference orderRefnew =
databasedish.getReference("Users").child(uid).child("Order1");
        orderRefnew.removeValue();
```

```

add_to_cartbtn=findViewById(R.id.add_to_cart);

recyclerView = findViewById(R.id.rv_dishes);
DishInfoAdapter dishInfoAdapter = new DishInfoAdapter(dishInfoModels, this);
recyclerView.setAdapter(dishInfoAdapter);
recyclerView.setLayoutManager(new GridLayoutManager(this, 2));

myRef.addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        {
            dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("Abo
Shawarma Sandwich").child("Name").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Abo
Shawarma Sandwich").child("Price").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Abo
Shawarma Sandwich").child("Availability").getValue()).toString(),
                0));
            dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("Arab
Falafel Sandwich").child("Name").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Arab
Falafel Sandwich").child("Price").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Arab
Falafel Sandwich").child("Availability").getValue()).toString(),
                0));
            dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("Arab Foul
Sandwich").child("Name").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Arab Foul
Sandwich").child("Price").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Arab Foul
Sandwich").child("Availability").getValue()).toString(),
                0));
            dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("Burger
Cheese Sandwich").child("Name").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Burger
Cheese Sandwich").child("Price").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Burger
Cheese Sandwich").child("Availability").getValue()).toString(),
                0));
            dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("Burger
Chicken Crunchy Sandwich").child("Name").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Burger
Chicken Crunchy Sandwich").child("Price").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Burger
Chicken Crunchy Sandwich").child("Availability").getValue()).toString(),
                0));
            dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("Coca
Cola").child("Name").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Coca
Cola").child("Price").getValue()).toString(),
                (String) Objects.requireNonNull(snapshot.child("Coca
Cola").child("Availability").getValue()).toString(),
                0));
            dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("Koshary

```



```

Jambo Box").child("Name").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("Koshary
Jambo Box").child("Price").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("Koshary
Jambo Box").child("Availability").getValue().toString(),
                0));
        dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("Koshary
Regular Box").child("Name").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("Koshary
Regular Box").child("Price").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("Koshary
Regular Box").child("Availability").getValue().toString(),
                0));
        dishesarr.add(new DishInfoModel(
                (String)
Objects.requireNonNull(snapshot.child("Pickles").child("Name").getValue().toString(),
                (String)
Objects.requireNonNull(snapshot.child("Pickles").child("Price").getValue().toString(),
                (String)
Objects.requireNonNull(snapshot.child("Pickles").child("Availability").getValue().toString(),
                0));
        dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("Pizza
Cheese Lovers").child("Name").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("Pizza
Cheese Lovers").child("Price").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("Pizza
Cheese Lovers").child("Availability").getValue().toString(),
                0));
        dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("Pizza
Chicken Ranch").child("Name").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("Pizza
Chicken Ranch").child("Price").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("Pizza
Chicken Ranch").child("Availability").getValue().toString(),
                0));
        dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("TaTa
Grilled Fish").child("Name").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("TaTa
Grilled Fish").child("Price").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("TaTa
Grilled Fish").child("Availability").getValue().toString(),
                0));
        dishesarr.add(new DishInfoModel(
                (String) Objects.requireNonNull(snapshot.child("TaTa
Sinjari Fish").child("Name").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("TaTa
Sinjari Fish").child("Price").getValue().toString(),
                (String) Objects.requireNonNull(snapshot.child("TaTa
Sinjari Fish").child("Availability").getValue().toString(),
                0));
    }

    {
        if (pos == 0) {
            dishInfoModels.add(new
DishInfoModel(dishesarr.get(0).getName(), dishesarr.get(0).getPrice(),
dishesarr.get(0).getAvailability(), R.drawable.abo_shawarma_sandwich));

```

```

        dishInfoModels.add(new DishInfoModel("Shawarma Meat",
dishesarr.get(0).getPrice(), dishesarr.get(0).getAvailability(),
R.drawable.abo_shawarma_sandwich));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(5).getName(), dishesarr.get(5).getPrice(),
dishesarr.get(5).getAvailability(), R.drawable.coca_cola));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(8).getName(), dishesarr.get(8).getPrice(),
dishesarr.get(8).getAvailability(), R.drawable.pickles));
    } else if (pos == 1) {
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(1).getName(), dishesarr.get(1).getPrice(),
dishesarr.get(1).getAvailability(), R.drawable.arab_falafel_sandwich));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(2).getName(), dishesarr.get(2).getPrice(),
dishesarr.get(2).getAvailability(), R.drawable.arab_foul_sandwich));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(5).getName(), dishesarr.get(5).getPrice(),
dishesarr.get(5).getAvailability(), R.drawable.coca_cola));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(8).getName(), dishesarr.get(8).getPrice(),
dishesarr.get(8).getAvailability(), R.drawable.pickles));
    } else if (pos == 2) {
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(3).getName(), dishesarr.get(3).getPrice(),
dishesarr.get(3).getAvailability(), R.drawable.burger_cheese_sandwich));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(4).getName(), dishesarr.get(4).getPrice(),
dishesarr.get(4).getAvailability(), R.drawable.burger_chicken_crunchy_sandwich));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(5).getName(), dishesarr.get(5).getPrice(),
dishesarr.get(5).getAvailability(), R.drawable.coca_cola));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(8).getName(), dishesarr.get(8).getPrice(),
dishesarr.get(8).getAvailability(), R.drawable.pickles));
    } else if (pos == 3) {
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(3).getName(), dishesarr.get(3).getPrice(),
dishesarr.get(3).getAvailability(), R.drawable.burger_cheese_sandwich));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(4).getName(), dishesarr.get(4).getPrice(),
dishesarr.get(4).getAvailability(), R.drawable.burger_chicken_crunchy_sandwich));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(5).getName(), dishesarr.get(5).getPrice(),
dishesarr.get(5).getAvailability(), R.drawable.coca_cola));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(8).getName(), dishesarr.get(8).getPrice(),
dishesarr.get(8).getAvailability(), R.drawable.pickles));
    } else if (pos == 4) {
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(3).getName(), dishesarr.get(3).getPrice(),
dishesarr.get(3).getAvailability(), R.drawable.burger_cheese_sandwich));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(4).getName(), dishesarr.get(4).getPrice(),
dishesarr.get(4).getAvailability(), R.drawable.burger_chicken_crunchy_sandwich));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(5).getName(), dishesarr.get(5).getPrice(),
dishesarr.get(5).getAvailability(), R.drawable.coca_cola));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(8).getName(), dishesarr.get(8).getPrice(),
dishesarr.get(8).getAvailability(), R.drawable.pickles));
    } else if (pos == 5) {
        dishInfoModels.add(new

```

```

DishInfoModel(dishesarr.get(6).getName(), dishesarr.get(6).getPrice(),
dishesarr.get(6).getAvailability(), R.drawable.koshary_jambo_box));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(7).getName(), dishesarr.get(7).getPrice(),
dishesarr.get(7).getAvailability(), R.drawable.koshary_regular_box));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(5).getName(), dishesarr.get(5).getPrice(),
dishesarr.get(5).getAvailability(), R.drawable.coca_colas));
        dishInfoModels.add(new
DishInfoModel(dishesarr.get(8).getName(), dishesarr.get(8).getPrice(),
dishesarr.get(8).getAvailability(), R.drawable.pickles));
        } else if (pos == 6) {
            dishInfoModels.add(new
DishInfoModel(dishesarr.get(6).getName(), dishesarr.get(6).getPrice(),
dishesarr.get(6).getAvailability(), R.drawable.koshary_jambo_box));
            dishInfoModels.add(new
DishInfoModel(dishesarr.get(7).getName(), dishesarr.get(7).getPrice(),
dishesarr.get(7).getAvailability(), R.drawable.koshary_regular_box));
            dishInfoModels.add(new
DishInfoModel(dishesarr.get(5).getName(), dishesarr.get(5).getPrice(),
dishesarr.get(5).getAvailability(), R.drawable.coca_colas));
            dishInfoModels.add(new
DishInfoModel(dishesarr.get(8).getName(), dishesarr.get(8).getPrice(),
dishesarr.get(8).getAvailability(), R.drawable.pickles));
            } else if (pos == 7) {
                dishInfoModels.add(new
DishInfoModel(dishesarr.get(9).getName(), dishesarr.get(9).getPrice(),
dishesarr.get(9).getAvailability(), R.drawable.pizza_cheese_lovers));
                dishInfoModels.add(new
DishInfoModel(dishesarr.get(10).getName(), dishesarr.get(10).getPrice(),
dishesarr.get(10).getAvailability(), R.drawable.pizza_chicken_ranch));
                dishInfoModels.add(new
DishInfoModel(dishesarr.get(5).getName(), dishesarr.get(5).getPrice(),
dishesarr.get(5).getAvailability(), R.drawable.coca_colas));
                dishInfoModels.add(new
DishInfoModel(dishesarr.get(8).getName(), dishesarr.get(8).getPrice(),
dishesarr.get(8).getAvailability(), R.drawable.pickles));
                } else if (pos == 8) {
                    dishInfoModels.add(new
DishInfoModel(dishesarr.get(9).getName(), dishesarr.get(9).getPrice(),
dishesarr.get(9).getAvailability(), R.drawable.pizza_cheese_lovers));
                    dishInfoModels.add(new
DishInfoModel(dishesarr.get(10).getName(), dishesarr.get(10).getPrice(),
dishesarr.get(10).getAvailability(), R.drawable.pizza_chicken_ranch));
                    dishInfoModels.add(new
DishInfoModel(dishesarr.get(5).getName(), dishesarr.get(5).getPrice(),
dishesarr.get(5).getAvailability(), R.drawable.coca_colas));
                    dishInfoModels.add(new
DishInfoModel(dishesarr.get(8).getName(), dishesarr.get(8).getPrice(),
dishesarr.get(8).getAvailability(), R.drawable.pickles));
                    } else if (pos == 9) {
                        dishInfoModels.add(new
DishInfoModel(dishesarr.get(11).getName(), dishesarr.get(11).getPrice(),
dishesarr.get(11).getAvailability(), R.drawable.tata_grilled_fish));
                        dishInfoModels.add(new
DishInfoModel(dishesarr.get(12).getName(), dishesarr.get(12).getPrice(),
dishesarr.get(12).getAvailability(), R.drawable.tata_sinjari_fish));
                        dishInfoModels.add(new
DishInfoModel(dishesarr.get(5).getName(), dishesarr.get(5).getPrice(),
dishesarr.get(5).getAvailability(), R.drawable.coca_colas));
                        dishInfoModels.add(new
DishInfoModel(dishesarr.get(8).getName(), dishesarr.get(8).getPrice(),
dishesarr.get(8).getAvailability(), R.drawable.pickles));

```

```

    }
    }
    dishInfoAdapter.notifyDataSetChanged();
}

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

}

});

add_to_cartbtn.setOnClickListener(view -> {
    startActivity(new Intent(DishActivity.this, CartActivity.class));
});
}

@Override
public void onDishClick(int position) {
    //FireBase Auth
    auth=FirebaseAuth.getInstance();
    FirebaseUser user=auth.getCurrentUser();
    if(user!=null){
        Log.d("CART", user.getUid());
        uid=user.getUid();
    }
    databasedish = FirebaseDatabase.getInstance("https://wagba-application-93ef9-
default-rtdb.firebaseio.com/");
    v1 =dishInfoModels.get(position).getName();
    v2 =dishInfoModels.get(position).getPrice();
    v3 =dishInfoModels.get(position).getAvailability();
    {
        Log.d("DISH ITEM PRESSED", v1);
        Log.d("DISH ITEM PRESSED", v2);
        Log.d("DISH ITEM PRESSED", v3);
    }
    DatabaseReference orderRef =
databasedish.getReference("Users").child(uid).child("Order1");

orderRef.child("dish"+number_of_times_pressed).child("availability").setValue(v3);
orderRef.child("dish"+number_of_times_pressed).child("name").setValue(v1);
orderRef.child("dish"+number_of_times_pressed).child("price").setValue(v2);
number_of_times_pressed++;

    if(status_done) {
        DatabaseReference trackRef =
databasedish.getReference("Users").child(uid).child("Order1");
        trackRef.child("Order Status").setValue("Order Pending");
        {
            if (rest_pos == 0) {
                trackRef.child("Restaurant").setValue("Abo Mazen");
            } else if (rest_pos == 1) {
                trackRef.child("Restaurant").setValue("Arabiata");
            } else if (rest_pos == 2) {
                trackRef.child("Restaurant").setValue("Burger King");
            } else if (rest_pos == 3) {
                trackRef.child("Restaurant").setValue("Chicken Fila");
            } else if (rest_pos == 4) {
                trackRef.child("Restaurant").setValue("Cook Door");
            } else if (rest_pos == 5) {
                trackRef.child("Restaurant").setValue("Koshary Hend");
            } else if (rest_pos == 6) {
                trackRef.child("Restaurant").setValue("Koshary Tahrir");
            } else if (rest_pos == 7) {

```

```
        trackRef.child("Restaurant").setValue("Papa John's");
    } else if (rest_pos == 8) {
        trackRef.child("Restaurant").setValue("Pizza Hut");
    } else if (rest_pos == 9) {
        trackRef.child("Restaurant").setValue("TaTa Seafood");
    }
    status_done=false;
}
}
```

Dishes Depend on Restaurant selected from Main Activity

Giving Examples

Abo Mazen

22:04

0.07 KB/S 100%

Wagba



Chicken Shawrma

50

YES



Shawarma Meat

50

YES



Coca Cola

7

YES



Pickles

8

YES

ADD TO CART

Cook door

22:05

0.30 KB/S

100%

Wagba



Burger Cheese Sandwich

60

YES



Burger Chicken Crunchy Sandwich

67

YES



Coca Cola

7

YES



Pickles

8

YES

ADD TO CART

And other Restaurant Dishes

DishInfoAdapter

```
package com.example.wagba_application;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import java.util.ArrayList;

public class DishInfoAdapter extends RecyclerView.Adapter<DishInfoAdapter.ViewHolder>
{
    private final DishRecyclerViewInterface dishRecyclerViewInterface;

    ArrayList<DishInfoModel>dishInfoModelsInternal;

    public DishInfoAdapter(ArrayList<DishInfoModel>
dishInfoModels,DishRecyclerViewInterface dishRecyclerViewInterface) {
        this.dishInfoModelsInternal = dishInfoModels;
        this.dishRecyclerViewInterface=dishRecyclerViewInterface;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        Context context=parent.getContext();
        LayoutInflater inflater=LayoutInflater.from(context);
        View view =inflater.inflate(R.layout.dish_item,parent,false);
        ViewHolder viewHolder=new ViewHolder(view,dishRecyclerViewInterface);
        return viewHolder;
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {

        DishInfoModel dishInfoModel=dishInfoModelsInternal.get(position);
        holder.name.setText(dishInfoModel.getName());
        holder.price.setText(dishInfoModel.getPrice());
        holder.availability.setText(dishInfoModel.getAvailability());

        holder.imgv.setImageDrawable(holder.itemView.getContext().getDrawable(dishInfoModel.ge
tImg()));

    }

    @Override
    public int getItemCount() {
        return dishInfoModelsInternal.size();
    }

    public static class ViewHolder extends RecyclerView.ViewHolder {
        TextView name,price,availability;
    }
}
```

```

        ImageView imgv;
        public ViewHolder(@NonNull View itemView ,DishRecyclerViewInterface
dishRecyclerViewInterface) {
            super(itemView);
            name=itemView.findViewById(R.id.dish_name);
            price=itemView.findViewById(R.id.dish_price);
            availability=itemView.findViewById(R.id.dish_available);
            imgv=itemView.findViewById(R.id.dish_image);

            itemView.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View view) {
                    if(dishRecyclerViewInterface!=null)
                    {
                        int pos=getAdapterPosition();
                        if(pos != RecyclerView.NO_POSITION)
                        {
                            dishRecyclerViewInterface.onDishClick(pos);
                        }
                    }
                }
            });
        }
    }
}

```

DishInfoModel

```

package com.example.wagba_application;

public class DishInfoModel {
    private String name;
    private String price;
    private String Availability;
    private Integer img;

    public DishInfoModel(String name, String price, String availability, Integer img)
    {
        this.name = name;
        this.price = price;
        this.Availability = availability;
        this.img = img;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getPrice() {
        return price;
    }

    public void setPrice(String price) {
        this.price = price;
    }
}

```

```

    public String getAvailability() {
        return Availability;
    }

    public void setAvailability(String availability) {
        Availability = availability;
    }

    public Integer getImg() {
        return img;
    }

    public void setImg(Integer img) {
        this.img = img;
    }
}

```

DishRecyclerViewInterface

```

package com.example.wagba_application;

public interface DishRecyclerViewInterface {
    void onDishClick(int position);
}

```

activity_dish

(Button not appearing here in layout but appears fine in activity when run on application)

```

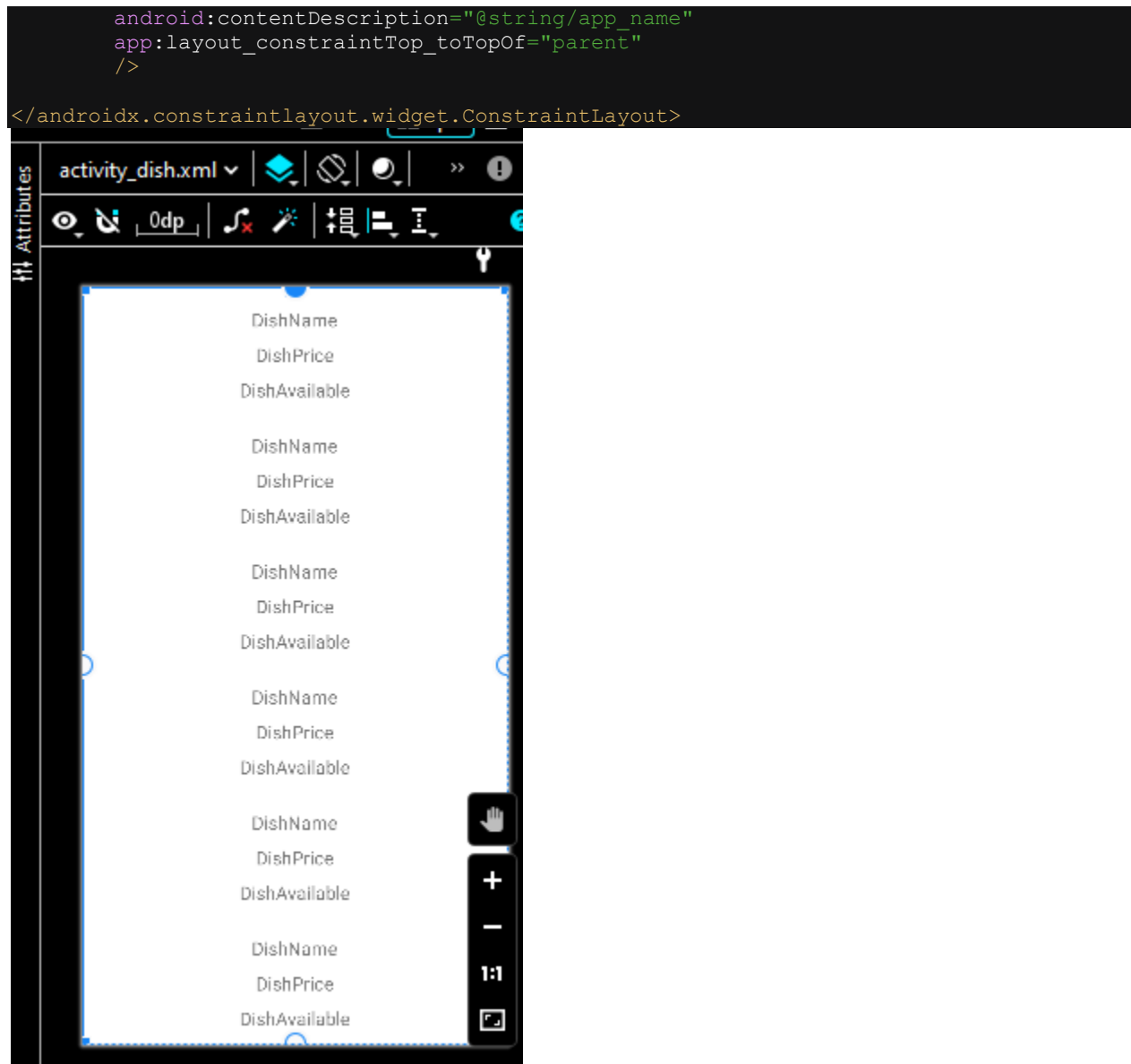
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".DishActivity">

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintTop_toBottomOf="@id/rv_dishes"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:id="@+id/add_to_cart"
        android:text="Add To Cart"
        >

    </Button>

    <androidx.recyclerview.widget.RecyclerView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/rv_dishes"
        tools:listitem="@layout/dish_item"
    >

```



Dish_item.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_margin="10dp">

    <ImageView
```

```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/dish_image"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    android:adjustViewBounds="true"
    android:scaleType="centerCrop"

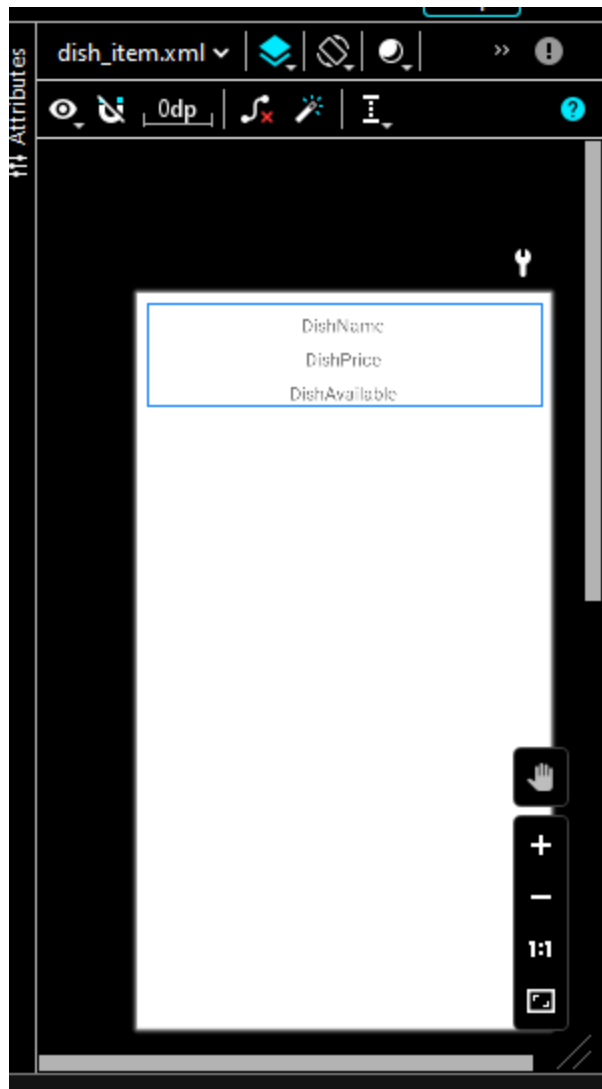
    />
```

```
<TextView
    android:id="@+id/dish_name"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="@id/dish_image"
    app:layout_constraintTop_toBottomOf="@id/dish_image"
    app:layout_constraintEnd_toEndOf="parent"
    android:text="@string/DishName"
    android:layout_marginTop="10dp"
    android:textSize="18dp"
    />
```

```
<TextView
    android:id="@+id/dish_price"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="@id/dish_image"
    app:layout_constraintTop_toBottomOf="@id/dish_name"
    app:layout_constraintEnd_toEndOf="parent"
    android:text="@string/DishPrice"
    android:layout_marginTop="10dp"
    android:textSize="18dp"
    />
```

```
<TextView
    android:id="@+id/dish_available"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="@id/dish_image"
    app:layout_constraintTop_toBottomOf="@id/dish_price"
    app:layout_constraintEnd_toEndOf="parent"
    android:text="@string/DishAvailable"
    android:layout_marginTop="10dp"
    android:textSize="18dp"
    />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```



Cart Activity

```
package com.example.wagba_application;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.GridLayoutManager;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.widget.Button;
import android.widget.TextView;

import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
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.ArrayList;
import java.util.Objects;

public class CartActivity extends AppCompatActivity {
    FirebaseDatabase databasecart;
    RecyclerView recyclerView;
    ArrayList<CartInfoModel> cartInfoModels =new ArrayList<>();
    int dish_count=0;
    String Av;

    FirebaseAuth auth;
    String uid="id";

    int subtotal=0;
    TextView tv_subtotal;
    Button btn_place_order;

    @SuppressLint("SetTextI18n")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_cart);
        tv_subtotal = (TextView)findViewById(R.id.subtotal);
        btn_place_order=(Button)findViewById(R.id.placeordercart);

        //FireBase Auth//
        auth=FirebaseAuth.getInstance();
        FirebaseUser user=auth.getCurrentUser();
        if(user!=null){
            Log.d("CART", user.getUid());
            uid=user.getUid();
        }

        //FireBase DataBase//
        //DatabaseReference orderRefnew =
        databasedish.getReference("Users").child(uid).child("Order1");
        databasecart = FirebaseDatabase.getInstance("https://wagba-application-93ef9-")
```

```

default-rtdb.firebaseio.com/");
    DatabaseReference cartRef =
databasecart.getReference("Users").child(uid).child("Order1");

    recyclerView=findViewById(R.id.rv_order_details_item);
    CartInfoAdapter cartInfoAdapter=new CartInfoAdapter(cartInfoModels);
    recyclerView.setAdapter(cartInfoAdapter);
    recyclerView.setLayoutManager(new
LinearLayoutManager(this,LinearLayoutManager.VERTICAL,false));

    cartRef.addValueEventListener(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            if(1 <= (snapshot.getChildrenCount()-2))
            {
                /*Log.d("CART1", "IN DATA CHANGE");
                Log.d("Dishes",
snapshot.child("dish1").child("name").getValue().toString());
                Log.d("Dishes",
snapshot.child("dish1").child("price").getValue().toString());
                Log.d("Dishes",
snapshot.child("dish1").child("availability").getValue().toString());*/
                for (dish_count = 1; dish_count <= (snapshot.getChildrenCount()-
2); dish_count++) {
                    Log.d("CART", "IN FOR");
                    if(Objects.requireNonNull(snapshot.child("dish" +
dish_count).child("availability").getValue()).toString().equals("YES"))
                    {
                        Av="Available";
                    }else
                    {
                        Av="Not Available";
                    }
                    cartInfoModels.add(new CartInfoModel(

                        Objects.requireNonNull(snapshot.child("dish" +
dish_count).child("name").getValue()).toString(),
                        Objects.requireNonNull(snapshot.child("dish" +
dish_count).child("price").getValue()).toString()+" EGP",
                        Av

                    ));
                    Log.d("CART", "ADDED ONE DISH");
                    if(Objects.requireNonNull(snapshot.child("dish" +
dish_count).child("availability").getValue()).toString().equals("YES")) {
                        String pricestring =
Objects.requireNonNull(snapshot.child("dish" +
dish_count).child("price").getValue()).toString();
                        subtotal += Integer.parseInt(pricestring);
                    }
                }
                Log.d("CART", "ADDED ALL DISHES");
            }
            cartInfoAdapter.notifyDataSetChanged();
            Log.d("CART", "NOTIFY SET CHANGED");
            Log.d("CART", Integer.toString(subtotal));
            tv_subtotal.setText(Integer.toString(subtotal));
        }
    })

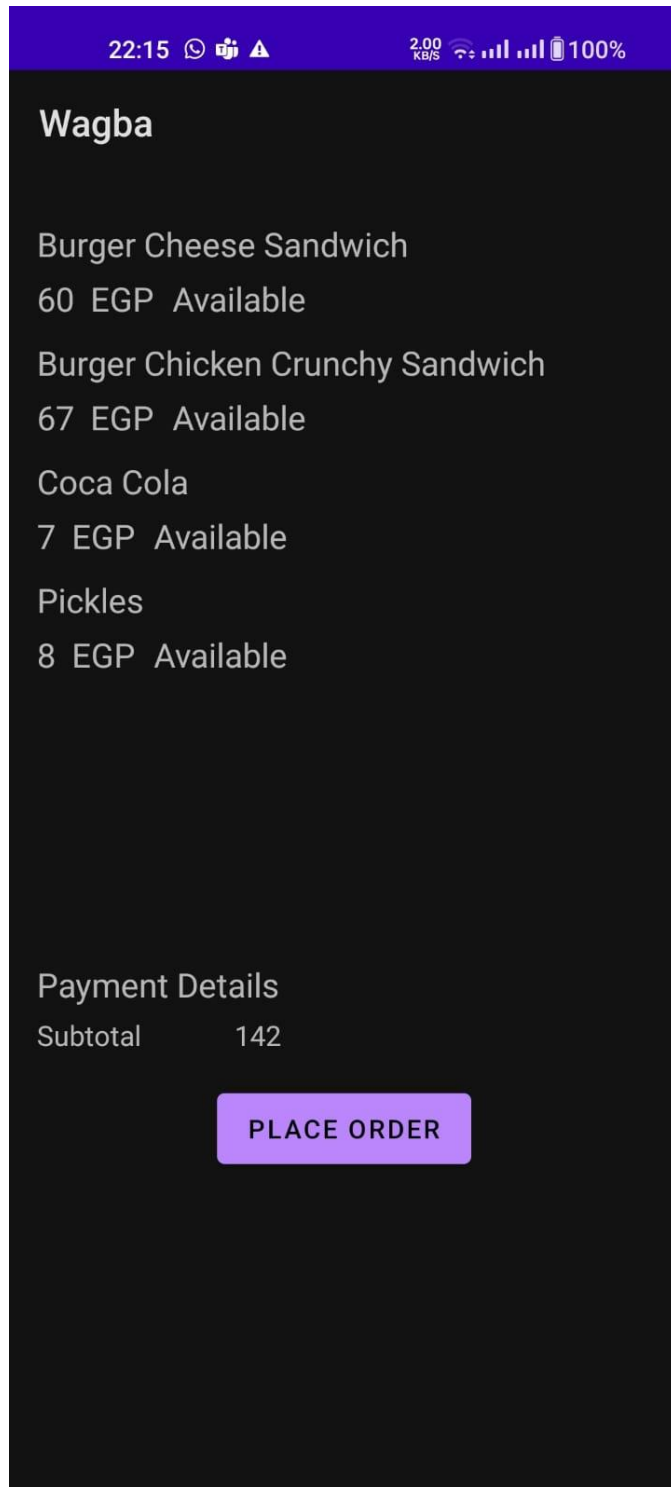
    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        Log.d("CART", "EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE");
    }
}

```



```
    }  
    });  
  
    btn_place_order.setOnClickListener(view -> {  
        startActivity(new Intent(CartActivity.this,TrackingActivity.class));  
    });  
}  
}
```

Example below on Burger King Dishes added to cart



CartInfoAdapter

```
package com.example.wagba_application;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import java.util.ArrayList;

public class CartInfoAdapter extends RecyclerView.Adapter<CartInfoAdapter.ViewHolder>
{
    ArrayList<CartInfoModel> cartInfoModelsInternal;

    public CartInfoAdapter(ArrayList<CartInfoModel> cartInfoModels) {
        this.cartInfoModelsInternal = cartInfoModels;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        Context context=parent.getContext();
        LayoutInflater inflater=LayoutInflater.from(context);
        View view= inflater.inflate(R.layout.order_details_item,parent,false);
        ViewHolder viewHolder=new ViewHolder(view);
        return viewHolder;
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
        CartInfoModel cartInfoModel=cartInfoModelsInternal.get(position);
        holder.nametv.setText(cartInfoModel.getName());
        holder.pricetv.setText(cartInfoModel.getPrice());
        holder.availabilitytv.setText(cartInfoModel.getAvailability());
    }

    @Override
    public int getItemCount() {
        return cartInfoModelsInternal.size();
    }

    public class ViewHolder extends RecyclerView.ViewHolder {
        TextView nametv, pricetv, availabilitytv;
        public ViewHolder(@NonNull View itemView) {
            super(itemView);
            nametv=itemView.findViewById(R.id.dish_name_cart);
            pricetv=itemView.findViewById(R.id.price_cart);
            availabilitytv=itemView.findViewById(R.id.availability_cart);
        }
    }
}
```

CartInfoModel

```
package com.example.wagba_application;

public class CartInfoModel {
    private String name;
    private String price;
    private String Availability;

    //    public CartInfoModel(String order_details, String num_item, String dish_name,
    String dish price) {
    //        this.order_details = order_details;
    //        this.num_item = num_item;
    //        this.dish_name = dish_name;
    //        this.dish_price = dish_price;
    //    }

    public CartInfoModel(String name, String price, String availability) {
        this.name = name;
        this.price = price;
        Availability = availability;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getPrice() {
        return price;
    }

    public void setPrice(String price) {
        this.price = price;
    }

    public String getAvailability() {
        return Availability;
    }

    public void setAvailability(String availability) {
        Availability = availability;
    }
}
```

activity_cart

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_margin="15dp"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="5"
        android:orientation="vertical">

        <androidx.recyclerview.widget.RecyclerView
            android:id="@+id/rv_order_details_item"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:contentDescription="@string/app_name"
            tools:listitem="@layout/order_details_item"

            >

        </androidx.recyclerview.widget.RecyclerView>
    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="4"
        android:orientation="vertical">

        <TextView
            android:layout_marginTop="30dp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Payment Details"
            android:textSize="18dp"
            >

        </TextView>
        <LinearLayout
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:orientation="horizontal">
            <LinearLayout
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:orientation="vertical">
                <TextView
                    android:textSize="15dp"
                    android:layout_marginTop="5dp"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:text="@string/subtotal"
                    >

                </TextView>

            </LinearLayout>

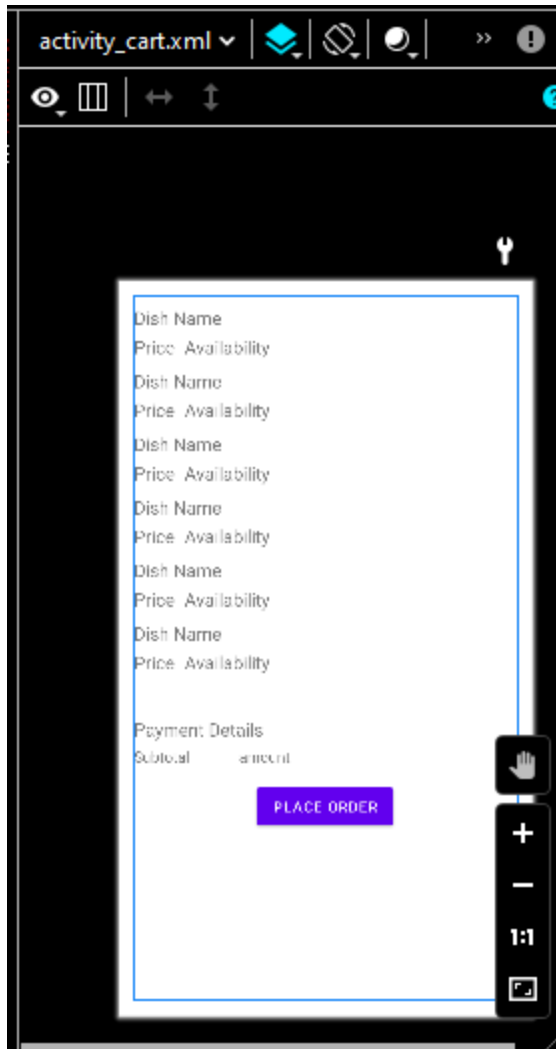
        </LinearLayout>
    </LinearLayout>
```

```
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical">
    <TextView
        android:textSize="15dp"
        android:layout_marginTop="5dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="50dp"
        android:text="amount"
        android:id="@+id/subtotal"
    >
    </TextView>

    </LinearLayout>
</LinearLayout>

<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:minHeight="50dp"
    android:layout_marginTop="15dp"
    android:text="@string/place_order"
    android:id="@+id/placeordercart"
    >

    </Button>
</LinearLayout>
</LinearLayout>
```



order_details_item.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp">
    <TextView
        android:textSize="18dp"
        android:id="@+id/dish_name_cart"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Dish Name"
    />
    <LinearLayout
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Price"
            android:textSize="18dp"
            android:layout_marginTop="5dp"
            android:id="@+id/price_cart">

        </TextView>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:id="@+id/availability_cart"
            android:text="Availability"
            android:layout_marginTop="5dp"
            android:layout_marginLeft="10dp"
            android:textSize="18dp">

        </TextView>

    </LinearLayout>
</LinearLayout>
```




Tracking Activity

```
package com.example.wagba_application;

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

import android.os.Bundle;
import android.util.Log;
import android.widget.TextView;

import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
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.Objects;

public class TrackingActivity extends AppCompatActivity {
    FirebaseDatabase databasetrack;
    String status;
    TextView tvstatus;

    FirebaseAuth auth;
    String uid="id";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_tracking);

        tvstatus=findViewById(R.id.status_tracking);

        //FireBase Auth//
        auth= FirebaseAuth.getInstance();
        FirebaseUser user=auth.getCurrentUser();
        if(user!=null){
            Log.d("CART", user.getUid());
            uid=user.getUid();
        }

        //FireBase DataBase//
        databasetrack = FirebaseDatabase.getInstance("https://wagba-application-93ef9-default-rtdb.firebaseio.com/");
        DatabaseReference statusRef =
        databasetrack.getReference("Users").child(uid).child("Order1").child("Order Status");

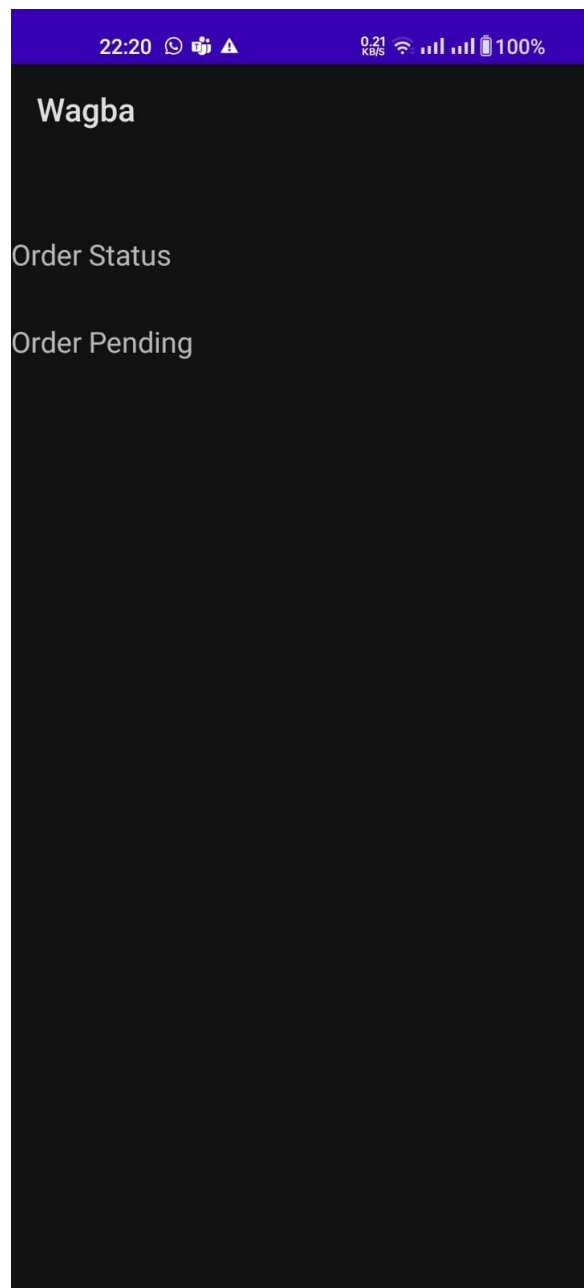
        statusRef.addValueEventListener(new ValueEventListener() {
            @Override
            public void onDataChange(@NonNull DataSnapshot snapshot) {
                status= Objects.requireNonNull(snapshot.getValue()).toString();
                tvstatus.setText(status);
            }

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

            }
        })
    }
}
```

```
    }) ;  
  
    }  
}
```

Order Pending is the order status it can be changed from admin application



Activity_tracking.xml

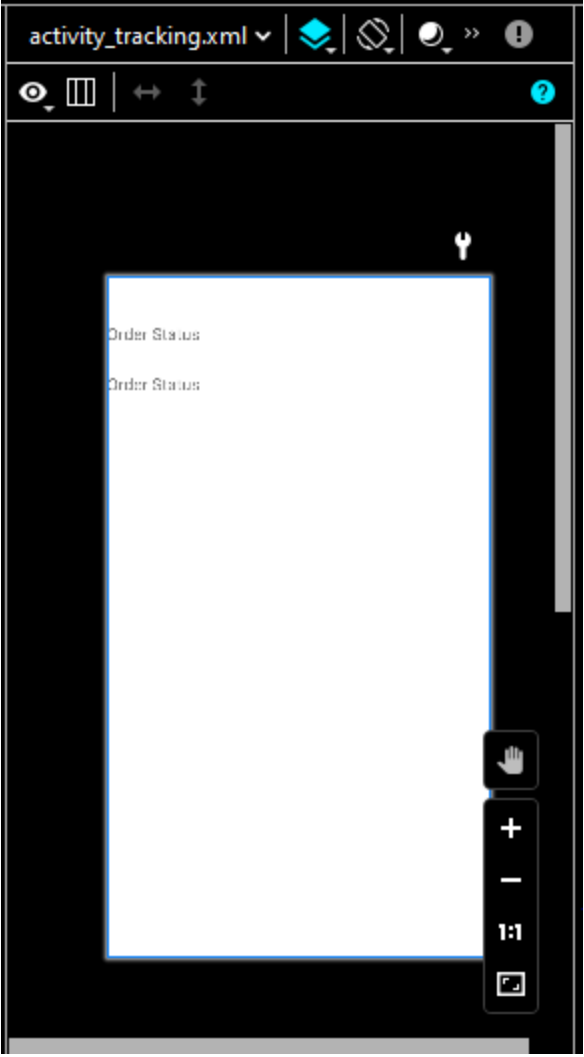
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".TrackingActivity"
    android:orientation="vertical">

    <TextView
        android:layout_marginTop="50dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/order_status"
        android:textSize="18dp">

    </TextView>

    <TextView
        android:layout_marginTop="30dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/order_status"
        android:textSize="18dp"
        android:id="@+id/status_tracking">

    </TextView>
</LinearLayout>
```



Admin Application

Login Activity

```
package com.example.admin_application;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

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

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;

public class LoginActivity extends AppCompatActivity {

    EditText usernametxtin;
    EditText passwordtxtin;
    Button loginbtn;
    TextView tvsignuphere;
    FirebaseAuth auth;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        usernametxtin = findViewById(R.id.username_log);
        passwordtxtin = findViewById(R.id.password_log);
        loginbtn = findViewById(R.id.login_btn);
        tvsignuphere = findViewById(R.id.tv_signup_here);

        auth = FirebaseAuth.getInstance();

        loginbtn.setOnClickListener(view -> {
            loginUser();
        });

        tvsignuphere.setOnClickListener(view -> {
            startActivity(new Intent(LoginActivity.this, SignUpActivity.class));
        });

        // signInButton=findViewById(R.id.signin_btn);
        //
        // GoogleSignInOptions googleSignInOptions =new
        GoogleSignInOptions.Builder(GoogleSignInOptions.DEFAULT_SIGN_IN)
        //     .requestIdToken(getString(R.string.default_web_client_id))
        //     .requestEmail()
        //     .build();
    }

    private void loginUser()
    {
        String username=usernametxtin.getText().toString();
```

```

String password=passwordtxtin.getText().toString();

if(TextUtils.isEmpty(username))
{
    usernametxtin.setError("Email can't be Empty");
    usernametxtin.requestFocus();
}else if(TextUtils.isEmpty(password))
{
    passwordtxtin.setError("Password can't be Empty");
    passwordtxtin.requestFocus();
}else{

auth.signInWithEmailAndPassword(username,password).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
    @Override
    public void onComplete(@NonNull Task<AuthResult> task) {
        if (task.isSuccessful())
        {
            Toast.makeText(LoginActivity.this,"User LogIn
Successful",Toast.LENGTH_SHORT).show();
            startActivity(new
Intent(LoginActivity.this,MainActivity.class));

        }else {
            Toast.makeText(LoginActivity.this,"LogIn
Error"+task.getException().getMessage(),Toast.LENGTH_SHORT).show();
        }
    }
});
}
}
}

```

Use admin@gmail.com pass: admin123

To login for admin application

22:26

0.24 KB/s

100%

Admin_Application

Username

Password

LOGIN

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

22:44



2.00
KB/S



100%

Admin_Application

admin@gmail.com

admin123

LOGIN

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

Admin_Application

LOGOUT

Edit Order Status

EDIT STATUS FOR AHMED ORDER

Edit Order Status

EDIT STATUS FOR KHALED ORDER

Edit Order Status

EDIT STATUS FOR SAAD ORDER



User Login Successful

Activity_login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:layout_margin="30dp"
    android:gravity="center_horizontal"
    >

    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/logo"
        android:layout_gravity="center"
        android:adjustViewBounds="true"
        android:scaleType="centerCrop"

        />

    <EditText
        android:layout_marginTop="40dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/username"
        android:hint="Username"
        android:minHeight="48dp"
        />

    <EditText
        android:layout_marginTop="20dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/password"
        android:hint="Password"
        android:minHeight="48dp"
        />

    <Button
        android:layout_marginTop="20dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Login"
        android:id="@+id/loginbtn"
        />

    <TextView
        android:layout_marginTop="10dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Don't have an account ?"
        android:textSize="20dp"
        />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:text="SignUp Here"
        android:id="@+id/tvsignuphere">
```

```
</TextView>
</LinearLayout>
```



Main Activity

```
package com.example.admin_application;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
```

```

public class MainActivity extends AppCompatActivity {
    FirebaseDatabase database;
    EditText editText1;
    EditText editText2;
    EditText editText3;
    Button btn1;
    Button btn2;
    Button btn3;
    FirebaseAuth auth;
    Button logoutbtn;
    @Override
    protected void onStart() {
        super.onStart();
        auth = FirebaseAuth.getInstance();
        FirebaseUser user=auth.getCurrentUser();
        if(user==null)
        {
            startActivity(new Intent(MainActivity.this,LoginActivity.class));
        }
    }
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        editText1=findViewById(R.id.etstatus1);
        editText2=findViewById(R.id.etstatus2);
        editText3=findViewById(R.id.etstatus3);

        btn1=findViewById(R.id.btnstatus1);
        btn2=findViewById(R.id.btnstatus2);
        btn3=findViewById(R.id.btnstatus3);

        /*
            auth = FirebaseAuth.getInstance();
            FirebaseUser user=auth.getCurrentUser();
            if(user!=null){
                Log.d("CART", user.getUid());
            }*/

        //FireBase DataBase//
        database = FirebaseDatabase.getInstance("https://wagba-application-93ef9-
default-rtdb.firebaseio.com/");
        DatabaseReference statusRef1 =
        database.getReference("Users").child("Sv3LIS1AR4arx1RQ9kCCBlYJpnS2").child("Order1").c
        hild("Order Status");

        DatabaseReference statusRef2 =
        database.getReference("Users").child("6CYf1OsNdMbYxD7bWh63dPQI9o02").child("Order1").c
        hild("Order Status");

        DatabaseReference statusRef3 =
        database.getReference("Users").child("mMq9oMOgcQMJEzV7o0NMrIoOByN2").child("Order1").c
        hild("Order Status");

        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String currstatus=editText1.getText().toString();
                statusRef1.setValue(currstatus);
            }
        });
    }
}

```

```
btn2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        String currstatus=editText2.getText().toString();
        statusRef2.setValue(currstatus);
    }
});

btn3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        String currstatus=editText3.getText().toString();
        statusRef3.setValue(currstatus);
    }
});

logoutbtn=findViewById(R.id.logoutbtn);
logoutbtn.setOnClickListener(view -> {
    auth.signOut();
    startActivity(new Intent(MainActivity.this, LoginActivity.class));
});

}
}
```

Admin_Application

LOGOUT

Edit Order Status

EDIT STATUS FOR AHMED ORDER

Edit Order Status

EDIT STATUS FOR KHALED ORDER

Edit Order Status

EDIT STATUS FOR SAAD ORDER

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:layout_marginTop="30dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Logout"
        android:id="@+id/logoutbtn"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
    >
    </Button>

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/etstatus1"
        android:hint="Edit Order Status"
        android:minHeight="48dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@id/logoutbtn"
    >
    </EditText>

    <!--<EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/etstatus2"
        android:hint="Edit Order Status"
        android:minHeight="48dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@id/btnstatus1"
    >
    </EditText>

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/etstatus3"
        android:hint="Edit Order Status"
        android:minHeight="48dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@id/btnstatus2"
    >
    </EditText>-->
```

```
<Button
    android:layout_marginTop="30dp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/etstatus1"
    android:text="Edit Status for Ahmed Order"
    android:id="@+id/btnstatus1"
>
```

```
</Button>
```

```
<EditText
    android:layout_marginTop="50dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/etstatus2"
    android:hint="Edit Order Status"
    android:minHeight="48dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@id/btnstatus1"
>
```

```
</EditText>
```

```
<Button
    android:layout_marginTop="30dp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/etstatus2"
    android:text="Edit Status for Khaled Order"
    android:id="@+id/btnstatus2"
>
```

```
</Button>
```

```
<EditText
    android:layout_marginTop="50dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/etstatus3"
    android:hint="Edit Order Status"
    android:minHeight="48dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@id/btnstatus2"
>
```

```
</EditText>
```

```
<Button
    android:layout_marginTop="30dp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/etstatus3"
    android:text="Edit Status for Saad Order"
    android:id="@+id/btnstatus3"
```

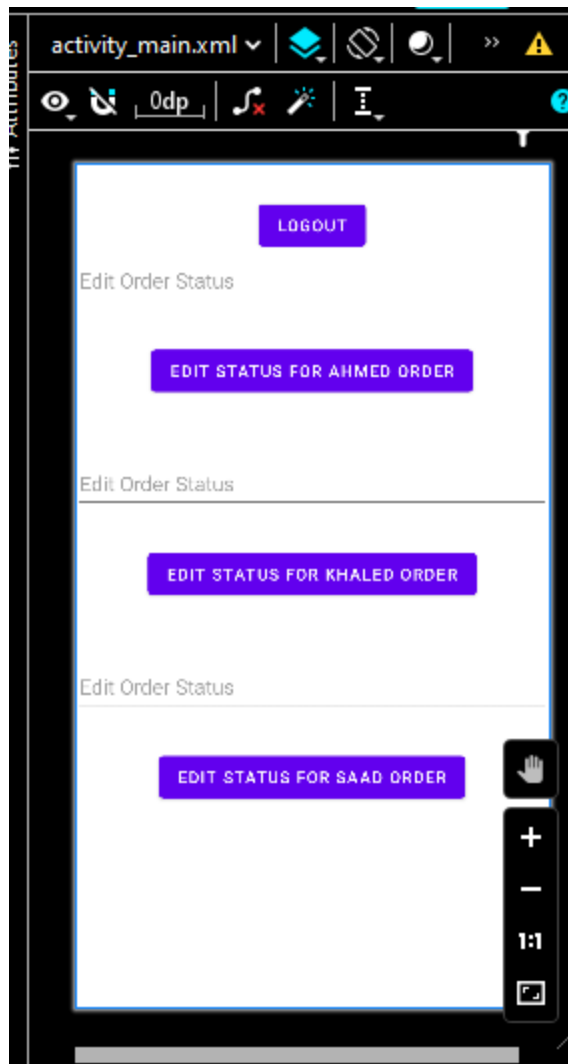
```
>

</Button>
<!--<Button
    android:layout_marginTop="30dp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/btnstatus2"
    android:text="Edit Status for Khaled Order"
    android:id="@+id/btnstatus2"
>

</Button>
<Button
    android:layout_marginTop="30dp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintTop_toBottomOf="@id/etstatus3"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:text="Edit Status for Saad Order"
    android:id="@+id/btnstatus3"
>

</Button>-->

</androidx.constraintlayout.widget.ConstraintLayout>
```



SignUpActivity

```
package com.example.admin_application;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

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

import com.google.android.gms.tasks.OnCompleteListener;
```

```

import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;

public class SignUpActivity extends AppCompatActivity {

    EditText usernametxtup;
    EditText passwordtxtup;
    Button signupbtn;
    TextView tvLoginhere;

    FirebaseAuth auth;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_sign_up);
        usernametxtup=findViewById(R.id.usernameup);
        passwordtxtup=findViewById(R.id.passwordup);
        signupbtn=findViewById(R.id.signupbtn);
        tvLoginhere=findViewById(R.id.tvloginhere);

        auth =FirebaseAuth.getInstance();

        signupbtn.setOnClickListener(view ->{
            createUser();
        });

        tvLoginhere.setOnClickListener(view -> {
            startActivity(new Intent(SignUpActivity.this, LoginActivity.class));
        });
    }

    private void createUser() {
        String username=usernametxtup.getText().toString();
        String password=passwordtxtup.getText().toString();

        if(TextUtils.isEmpty(username))
        {
            usernametxtup.setError("Email can't be Empty");
            usernametxtup.requestFocus();
        }else if(TextUtils.isEmpty(password))
        {
            passwordtxtup.setError("Password can't be Empty");
            passwordtxtup.requestFocus();
        } else{

auth.createUserWithEmailAndPassword(username,password).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
            @Override
            public void onComplete(@NonNull Task<AuthResult> task) {
                if(task.isSuccessful()) {
                    Toast.makeText(SignUpActivity.this,"User SignedUp
Successfully",Toast.LENGTH_SHORT).show();
                    startActivity(new
Intent(SignUpActivity.this,LoginActivity.class));
                }else{
                    Toast.makeText(SignUpActivity.this,"SignUp
Error"+task.getException().getMessage(),Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}

```

```
}  
}
```

22:32



2.00
KB/S



100%

Admin_Application

Username

Password

SIGNUP

[LogIn Here](#)

Activity_sign_up.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:layout_margin="30dp"
    android:gravity="center_horizontal"
    >

    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/logo"
        android:layout_gravity="center"
        android:adjustViewBounds="true"
        android:scaleType="centerCrop"

        />

    <EditText
        android:layout_marginTop="40dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/usernameup"
        android:hint="Username"
        android:minHeight="48dp"
        />

    <EditText
        android:layout_marginTop="20dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/passwordup"
        android:hint="Password"
        android:minHeight="48dp"
        />

    <Button
        android:layout_marginTop="20dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Signup"
        android:id="@+id/signupbtn"
        />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:text="LogIn Here"
        android:id="@+id/tvloginhere"
        >

    </TextView>

</LinearLayout>
```