

Android Project

Implementation code



By-

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Module - 1

XML Code :

```
<?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"
    android:background="#F43A3A">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginLeft="8dp"
        android:layout_marginTop="80dp"
        android:layout_marginEnd="8dp"
        android:layout_marginRight="8dp"
        android:transitionName="logo_image"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/icon" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        android:fontFamily="cursive"
        android:text="Food Swipe"
        android:textColor="#FFFFFF"
        android:textSize="36sp"
        android:textStyle="bold"
        android:transitionName="logo_text"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView"
        app:layout_constraintVertical_bias="0.0" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Source code :

```
package com.shivam.foodorder;

import androidx.appcompat.app.AppCompatActivity;

import android.app.ActivityOptions;
import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import android.text.TextUtils;
import android.util.Pair;
import android.view.View;
import android.view.WindowManager;
import android.view.animation.Animation;
import android.view.animation.AnimationUtils;
import android.widget.ImageView;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    private static int splash_screen =3000;
    Animation top,bottom;
    ImageView img;
    TextView txt;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,WindowM
anager.LayoutParams.FLAG_FULLSCREEN);
        setContentView(R.layout.activity_main);

        getSupportActionBar().hide();

        top= AnimationUtils.loadAnimation(this,R.anim.top_animation);
        bottom=
AnimationUtils.loadAnimation(this,R.anim.bottom_animation);

        img = findViewById(R.id.imageView);
        txt = findViewById(R.id.textView);
        img.setAnimation(top);
        txt.setAnimation(bottom);

        new Handler().postDelayed(new Runnable() {
            @Override
            public void run() {
                Intent splash = new
Intent(MainActivity.this,SignIn.class);

                Pair[] pairs = new Pair[2];
                pairs[0] = new Pair<View,String>(img,"logo_image");
```

```

        pairs[1] = new Pair<View,String>(txt,"logo_text");

        if (android.os.Build.VERSION.SDK_INT >=
android.os.Build.VERSION_CODES.LOLLIPOP) {
            ActivityOptions options =
ActivityOptions.makeSceneTransitionAnimation(MainActivity.this,pairs);
            startActivity(splash,options.toBundle());
            finish();
        }
    },splash_screen);
}
}

```

Output-



XML Code :

```
<?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=".SignIn"
    android:orientation="vertical"
    android:background="#E8D847"
>

    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_margin="10dp"
            android:orientation="vertical"
            android:padding="20dp">

            <ImageView
                android:id="@+id/imageView2"
                android:layout_width="123dp"
                android:layout_height="130dp"
                android:layout_margin="5dp"
                android:padding="5dp"
                android:transitionName="logo_image"
                app:srcCompat="@drawable/icon" />

            <TextView
                android:id="@+id/textView2"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:fontFamily="@font/bungee"
                android:transitionName="logo1"
                android:text="Hello There, Welcome Back"
                android:textSize="40sp"
                android:textColor="#E31414" />

            <TextView
                android:id="@+id/textView3"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:fontFamily="cursive"
```

```

        android:transitionName="logo2"
        android:text="SignIn TO Continue"
        android:textSize="20dp"
        android:textStyle="bold" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:layout_marginBottom="15dp"
    android:orientation="vertical">

    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/user_name">

        <com.google.android.material.textfield.TextInputEditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="UserName"

            />
        </com.google.android.material.textfield.TextInputLayout>

        <com.google.android.material.textfield.TextInputLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            app:passwordToggleEnabled="true"
            android:id="@+id/password">

            <com.google.android.material.textfield.TextInputEditText
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:hint="Password"
                android:inputType="textPassword"

                />
            </com.google.android.material.textfield.TextInputLayout>

            <Button
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="Forget password"
                android:layout_gravity="right"
                android:background="#00000000"
                android:id="@+id/forget"
                android:layout_margin="5dp"

                />

```

```

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:text="Sign In"
        android:background="#090909"
        android:textColor="#ffff"
        android:textStyle="bold"
        android:layout_margin="5dp"
        android:id="@+id/signIn"/>

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:text="Google"
        android:background="#5353D3"
        android:drawableLeft="@drawable/google"
        android:textColor="#ffff"
        android:textStyle="bold"
        android:layout_margin="5dp"
        android:id="@+id/google"/>
</LinearLayout>

<Button
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="New User? Sign Up"
    android:layout_gravity="center"
    android:background="#00000000"
    android:id="@+id/signup"
/>

</LinearLayout>
</LinearLayout>
</ScrollView>
</LinearLayout>

```

Source Code :

```
package com.shivam.foodorder;

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

import android.app.ActivityOptions;
import android.app.ProgressDialog;
import android.content.Intent;
import android.os.Bundle;
import android.util.Pair;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

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

public class SignIn extends AppCompatActivity {

    TextInputLayout unname,pass;
    Button signup,signin,forget;
    TextView t1,t2;
    ImageView img;
    ProgressDialog progressDialog;
    FirebaseAuth auth;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_sign_in);
        getSupportActionBar().hide();

        auth = FirebaseAuth.getInstance();

        progressDialog = new ProgressDialog(SignIn.this);
        progressDialog.setTitle("LogIn");
        progressDialog.setMessage("LogIn to Your Account");

        t1 = findViewById(R.id.textView2);
        t2 = findViewById(R.id.textView3);
        img = findViewById(R.id.imageView2);

        unname = findViewById(R.id.user_name);
        pass = findViewById(R.id.password);
        signin = findViewById(R.id.signIn);
        signup = findViewById(R.id.signup);
    }
}
```



```

        forget=findViewById(R.id.forget);

        forget.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent forget = new
Intent(SignIn.this,PasswordActivity.class);
                startActivity(forget);
            }
        });

        signup.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent up = new Intent(SignIn.this,SignUp.class);
                Pair[] pairs = new Pair[3];
                pairs[0] = new Pair<View,String>(img,"logo_image");
                pairs[1] = new Pair<View,String>(t1,"logo_text");
                pairs[2] = new Pair<View,String>(t2,"logo_text");

                if (android.os.Build.VERSION.SDK_INT >=
android.os.Build.VERSION_CODES.LOLLIPOP) {
                    ActivityOptions options =
ActivityOptions.makeSceneTransitionAnimation(SignIn.this,pairs);
                    startActivity(up,options.toBundle());
                }
            }
        });

        signin.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                progressDialog.show();
                final String email11 =
uname.getText().getText().toString();
                final String pass11 =
pass.getText().getText().toString();

                auth.signInWithEmailAndPassword(email11,pass11).addOnCompleteListener(n
ew OnCompleteListener<AuthResult>() {
                    @Override
                    public void onComplete(@NonNull Task<AuthResult>
task) {

                        progressDialog.dismiss();

                        if(task.isSuccessful())
                        {
                            Intent menu = new Intent(SignIn.this,
com.shivam.foodorder.menu.class);
                            startActivity(menu);
                        }
                    }
                });
            }
        });
    }
}

```

```

        else{

Toast.makeText(SignIn.this,task.getException().getMessage(),
Toast.LENGTH_SHORT).show();
        }

    }

});

}

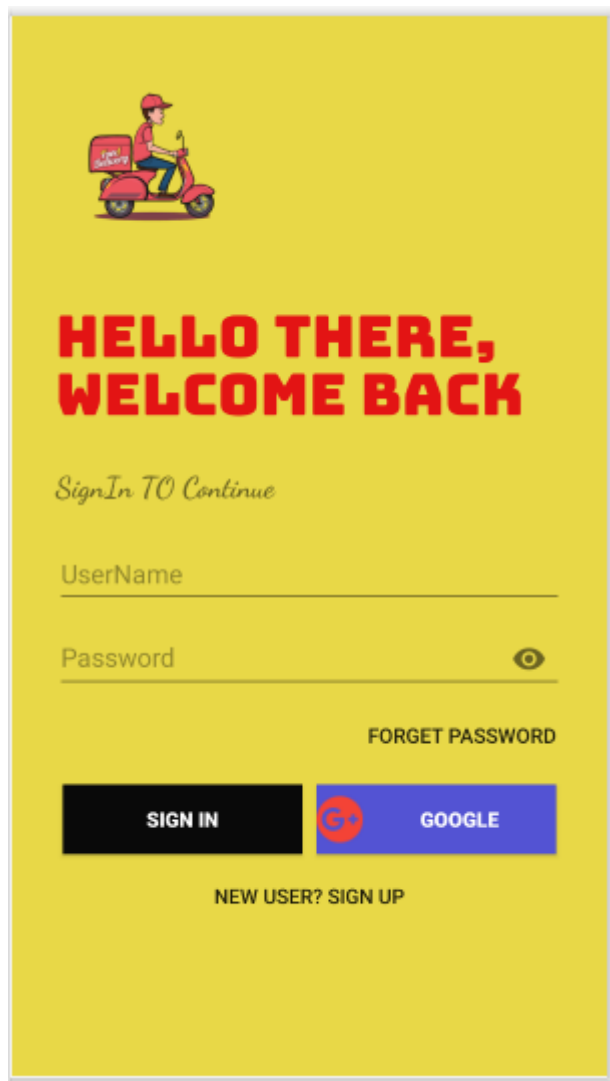
});

if(auth.getCurrentUser()!=null)
{
    Intent current = new Intent(SignIn.this,menu.class);
    startActivity(current);
}

}

}

```



Module -2

XML Code :

```
<?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=".SignUp"

    android:orientation="vertical"
    android:background="#E8D847">

    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_margin="10dp"
            android:orientation="vertical"
            android:padding="20dp">

            <ImageView
                android:id="@+id/imageView2"
                android:layout_width="124dp"
                android:layout_height="101dp"
                android:layout_margin="5dp"
                android:padding="5dp"
                android:transitionName="logo_image"
                app:srcCompat="@drawable/icon" />

            <TextView
                android:id="@+id/textView2"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:fontFamily="@font/bungee"
                android:transitionName="logo1"
                android:text="Welcome"
                android:textSize="30sp"
                android:textColor="#E31414" />

            <TextView
```

```
    android:id="@+id/textView3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:fontFamily="cursive"
    android:transitionName="logo2"
    android:text="SignUp to Start your new Journey"
    android:textSize="20dp"
    android:textStyle="bold" />
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:layout_marginBottom="15dp"
    android:orientation="vertical">
```

```
    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/full_name">
```

```
        <com.google.android.material.textfield.TextInputEditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Full Name"
```

```
        />
```

```
    </
```

```
com.google.android.material.textfield.TextInputLayout>
```

```
    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/email">
```

```
        <com.google.android.material.textfield.TextInputEditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Email"
            android:inputType="textEmailAddress"
```

```
        />
```

```
    </
```

```
com.google.android.material.textfield.TextInputLayout>
```

```
    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/phone">
```

```
<com.google.android.material.textfield.TextInputEditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Phone"
    android:inputType="phone"
/>
```

</

```
com.google.android.material.textfield.TextInputLayout>
```

```
<com.google.android.material.textfield.TextInputLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:passwordToggleEnabled="true"
    android:id="@+id/password">
```

```
<com.google.android.material.textfield.TextInputEditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Password"
    android:inputType="textPassword"
/>
```

</

```
com.google.android.material.textfield.TextInputLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Sign Up"
    android:background="#090909"
    android:textColor="#ffff"
    android:textStyle="bold"
    android:layout_margin="5dp"
    android:id="@+id/signup" />
```

```
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Google"
    android:background="#2F51B6"
    android:drawableLeft="@drawable/google"
    android:textColor="#ffff"
    android:textStyle="bold"
    android:layout_margin="5dp"
```

```
        android:id="@+id/google"/>
    </LinearLayout>

    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Already Have Account? Login"
        android:layout_gravity="center"
        android:background="#00000000"
        android:id="@+id/signin"
    />
```

```
    </LinearLayout>
</LinearLayout>
</ScrollView>
</LinearLayout>
```

Source Code :

- **Model Class :**

- **package** com.shivam.foodorder.Models;

```
public class Users {  
  
    String username;  
    String emailid;  
    String password;  
    String phone;  
  
    public Users() {  
    }  
  
    public Users(String username, String emailid, String  
password, String phone) {  
        this.username = username;  
        this.emailid = emailid;  
        this.password = password;  
        this.phone = phone;  
    }  
  
    public String getUsername() {  
        return username;  
    }  
  
    public void setUsername(String username) {  
        this.username = username;  
    }  
  
    public String getEmailid() {  
        return emailid;  
    }  
  
    public void setEmailid(String emailid) {  
        this.emailid = emailid;  
    }  
  
    public String getPassword() {  
        return password;  
    }  
  
    public void setPassword(String password) {  
        this.password = password;  
    }  
  
    public String getPhone() {  
        return phone;  
    }  
}
```

```

        public void setPhone(String phone) {
            this.phone = phone;
        }
    }
}

```

• Main Class

```

package com.shivam.foodorder;

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

import android.app.ProgressDialog;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

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

import com.google.firebase.database.FirebaseDatabase;
import com.shivam.foodorder.Models.Users;

public class SignUp extends AppCompatActivity {

    TextInputLayout name,phone,email,pass;
    Button signin,signup;

    private FirebaseAuth auth;
    FirebaseDatabase database;
    ProgressDialog progressDialog;

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

        getSupportActionBar().hide();

        name =findViewById(R.id.full_name);
        phone =findViewById(R.id.phone);
        email =findViewById(R.id.email);
    }
}

```



```

    pass =findViewById(R.id.password);
    signup =findViewById(R.id.signup);
    signin = findViewById(R.id.signin);

    progressDialog = new ProgressDialog(SignUp.this);
    progressDialog.setTitle("Create Account");
    progressDialog.setMessage("We Are Creating Your Account");

    signin.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent up = new Intent(SignUp.this,SignIn.class);
            startActivity(up);
        }
    });

    auth=FirebaseAuth.getInstance();
    database = FirebaseDatabase.getInstance();
    signup.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            final String email1 =
email.getText().getText().toString();
            final String pass1 =
pass.getText().getText().toString();
            final String name1 =
name.getText().getText().toString();
            final String phone1 =
phone.getText().getText().toString();

            progressDialog.show();

            auth.createUserWithEmailAndPassword(email1,pass1).addOnCompleteListener
            (new OnCompleteListener<AuthResult>() {
                @Override
                public void onComplete(@NonNull Task<AuthResult>
task) {

                    progressDialog.dismiss();
                    if(task.isSuccessful())
                    {
                        Users users = new
Users(name1,email1,pass1,phone1);
                        String id
=task.getResult().getUser().getUid();

                        database.getReference().child("Users").child(id).setValue(users);
                        Intent sign = new
Intent(SignUp.this,SignIn.class);
                        startActivity(sign);

```


```

                                Toast.makeText(SignUp.this, "successful",
Toast.LENGTH_SHORT).show();
                                }
                                else {

Toast.makeText(SignUp.this,task.getException().getMessage(),
Toast.LENGTH_SHORT).show();
                                }
                                }
                                });
                                }
                                }
}

```

Output-




WELCOME

Sign Up to Start your new Journey


Full Name

Email

Phone

Password 

SIGN UP


GOOGLE

ALREADY HAVE ACCOUNT? [LOGIN](#)

XML Code :

```
<?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:id="@+id/btnpassword"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#F4E55E"
    tools:context=".PasswordActivity">

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="114dp"
        android:layout_marginBottom="212dp"
        android:background="#121111"
        android:text="@string/reset_password"
        android:textColor="#FFFFFF"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/etpasswordemail"
        app:layout_constraintVertical_bias="0.0" />

    <EditText
        android:id="@+id/etpasswordemail"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="184dp"
        android:autofillHints=""
        android:ems="10"
        android:hint="email"
        android:inputType="textEmailAddress"
        android:textColor="#FFFFFF"
        android:textSize="18sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Source Code :

```
package com.shivam.foodorder;

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

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

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

public class PasswordActivity extends AppCompatActivity {
    private EditText passwordEmail;
    private Button resetPassword;
    FirebaseAuth firebaseAuth;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_password);
        getSupportActionBar().hide();
        passwordEmail= (EditText) findViewById(R.id.etpasswordemail);
        resetPassword= (Button) findViewById(R.id.btnpassword);
        firebaseAuth= FirebaseAuth.getInstance();
        resetPassword.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String
useremail=passwordEmail.getText().toString().trim();
                if(useremail.equals(""))
                {
                    Toast.makeText(PasswordActivity.this, "Please Enter
your Register Email Id", Toast.LENGTH_SHORT).show();
                }
                else {

                    firebaseAuth.sendPasswordResetEmail(useremail).addOnCompleteListener(new OnCompleteListener<Void>() {
                        @Override
                        public void onComplete(@NonNull Task<Void>
task) {

                            if(task.isSuccessful())
                            {
                                Toast.makeText(PasswordActivity.this,
"Reset password send", Toast.LENGTH_SHORT).show();

```

```

        finish();
        startActivity(new
Intent(PasswordActivity.this,SignIn.class));
    }
    else
    {

Toast.makeText(PasswordActivity.this,task.getException().getMessage(),
Toast.LENGTH_SHORT).show();

    }

    }

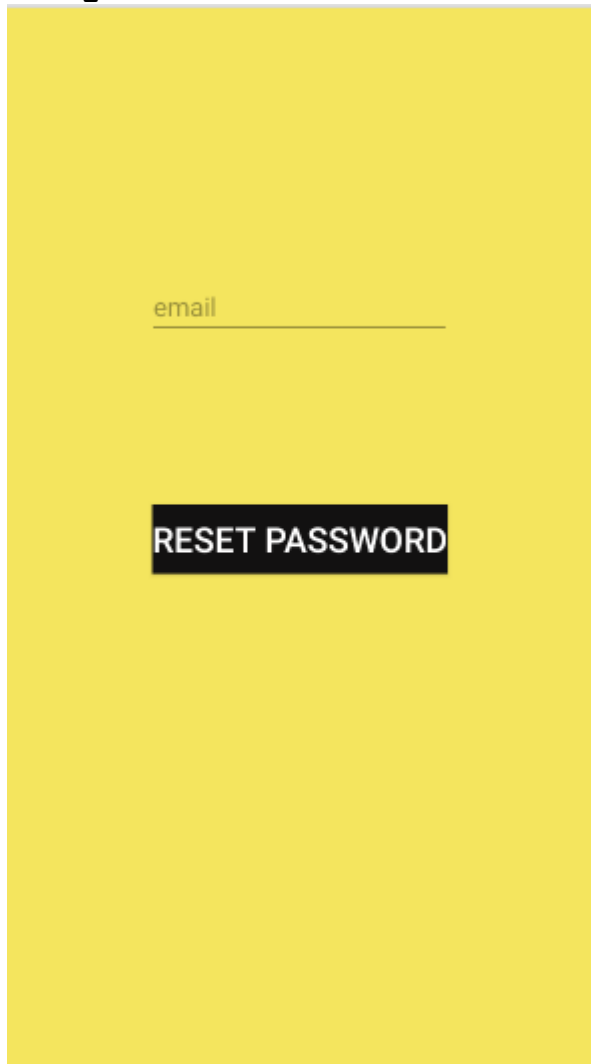
    });

}

}

```

Output-



Module - 3

XML Code:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/
android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="165dp"
    xmlns:app="http://schemas.android.com/apk/res-auto">

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_margin="5dp"
        app:cardCornerRadius="5dp"
        app:cardElevation="5dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical">

            <ImageView
                android:id="@+id/img"
                android:layout_width="match_parent"
                android:layout_height="120dp"
                android:scaleType="centerCrop"
                android:background="@color/colorPrimary"/>

            <TextView
                android:id="@+id/resturant_name"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginTop="5dp"
                android:background="#80C01EDD"
                android:fontFamily="@font/abeezee"
                android:gravity="center"
                android:text="Resturants Name"
                android:textColor="#FFFFFFF"
                android:textSize="18sp"
                android:textStyle="bold" />

        </LinearLayout>
    </androidx.cardview.widget.CardView>
</LinearLayout>
```

Output-

[illegible]

XML Code:

```
<?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:background="#F6E33A"
    android:orientation="vertical"
    tools:context=".menu">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <ImageView
            android:id="@+id/imageView5"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            app:srcCompat="@drawable/icon" />

        <TextView
            android:id="@+id/textView4"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="100dp"
            android:layout_weight="1"
            android:fontFamily="cursive"
            android:foregroundGravity="center"
            android:gravity="center"
            android:text="Food Swipe"
            android:textColor="#E81313"
            android:textSize="36sp"
            android:textStyle="bold" />

    </LinearLayout>

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/recyclerView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_margin="5dp"
        tools:listitem="@layout/restaurants" />
</LinearLayout>
```


Source Code:

- **Model Class:-**

- ```
package com.shivam.foodorder.Models;

public class category {
 String restaurantname;
 String url;

 public category() {
 }

 public category(String restaurantname, String url) {
 this.restaurantname = restaurantname;
 this.url = url;
 }

 public String getResturantname() {
 return restaurantname;
 }

 public void setResturantname(String restaurantname) {
 this.restaurantname = restaurantname;
 }

 public String getUrl() {
 return url;
 }

 public void setUrl(String url) {
 this.url = url;
 }
}
```

- **Adapter Class :-**

```
package com.shivam.foodorder.Adapters;

import android.content.Context;
import android.content.Intent;
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 com.shivam.foodorder.Models.category;
import com.shivam.foodorder.R;
import com.shivam.foodorder.menuItems;
import com.squareup.picasso.Picasso;

import java.util.ArrayList;

public class catadapter extends
RecyclerView.Adapter<catadapter.viewHolder>{
 private ArrayList<category> list;
 private Context context;

 public catadapter(ArrayList<category> list, Context context) {
 this.list = list;
 this.context = context;
 }

 @NonNull
 @Override
 public catadapter.viewHolder onCreateViewHolder(@NonNull ViewGroup
parent, int viewType) {
 View view=
 LayoutInflater.from(parent.getContext()).inflate(R.layout.restaurants,pa
rent,false);
 return new viewHolder(view);
 }

 @Override
 public void onBindViewHolder(@NonNull catadapter.viewHolder holder,
int position) {

 category model = list.get(position);
 holder.setdata(model.getUrl(),model.getResturantname());
 }

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

 public class viewHolder extends RecyclerView.ViewHolder {

 ImageView imageView;
 TextView textView;

 public viewHolder(@NonNull View itemView) {
 super(itemView);
 imageView = itemView.findViewById(R.id.img);
 textView = itemView.findViewById(R.id.restaurant_name);
 }
 }
}

```

```

 private void setdata(String url, final String textView)
 {
 Picasso.get().load(url).placeholder(R.color.colorPrimaryDark).into(imageView);

 this.textView.setText(textView);

 itemView.setOnClickListener(new View.OnClickListener() {
 @Override
 public void onClick(View view) {
 Intent iteams = new Intent(context,
menuItem.class);

 iteams.putExtra("title",textView);
 itemView.getContext().startActivity(iteams);

 }
 });
 }
 }
}

```

## • Main Class :-

```

• package com.shivam.foodorder;

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

import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.widget.Toast;

import com.google.firebase.auth.FirebaseAuth;
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 com.shivam.foodorder.Adapters.catadapter;
import com.shivam.foodorder.Models.category;

import java.util.ArrayList;

```

```

public class menu extends AppCompatActivity {

 RecyclerView recyclerView;
 private ArrayList<category> list;
 FirebaseAuth auth;
 @Override
 protected void onCreate(Bundle
savedInstanceState) {
 super.onCreate(savedInstanceState);
 setContentView(R.layout.activity_menu);

 final FirebaseDatabase database =
FirebaseDatabase.getInstance();
 DatabaseReference myRef =
database.getReference();

getSupportActionBar().setTitle("Categories");
 auth = FirebaseAuth.getInstance();

 recyclerView =
findViewById(R.id.recycleView);
 list= new ArrayList<>();

 final catadapter a = new
catadapter(list,this);
 recyclerView.setAdapter(a);

 final LinearLayoutManager layoutManager =
new LinearLayoutManager(this);

recyclerView.setLayoutManager(layoutManager);

myRef.child("category").addListenerForSingleValueEve
nt(new ValueEventListener() {
 @Override
 public void onDataChange(@NonNull
DataSnapshot dataSnapshot) {
 for(DataSnapshot dataSnapshot1:
dataSnapshot.getChildren())
 {

list.add(dataSnapshot1.getValue(category.class));
 }
 a.notifyDataSetChanged();
 }

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

```

```

 Toast.makeText(menu.this,
databaseError.getMessage(),
Toast.LENGTH_SHORT).show();
 finish();
 }
});

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {

 MenuInflater menuInflater
=getMenuInflater();
 menuInflater.inflate(R.menu.setting,menu);
 return super.onCreateOptionsMenu(menu);
}

@Override
public boolean onOptionsItemSelected(@NonNull
MenuItem item) {

 switch (item.getItemId())
 {
 case R.id.signout:
 auth.signOut();
 Intent login = new
Intent(menu.this,SignIn.class);
 startActivity(login);


 break;

 }

 return true;
}
}

```

Output-



*Food Swipe*

Resturants Name

Resturants Name

Resturants Name

## XML Code:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
 xmlns:android="http://schemas.android.com/apk/res/android"
 android:layout_width="match_parent"
 android:layout_height="wrap_content"
 android:orientation="horizontal"
 android:padding="16dp"
 android:layout_margin="4dp"
 android:background="@drawable/catbg">

 <TextView
 android:id="@+id/tv1"
 android:layout_width="0dp"
 android:layout_height="match_parent"
 android:layout_marginLeft="8dp"
 android:layout_marginRight="8dp"
 android:layout_weight="1"
 android:gravity="center_vertical"
 android:padding="8dp"
 android:text="Name"
 android:textColor="#131313"
 android:textSize="22sp"
 android:textStyle="bold" />

 <TextView
 android:id="@+id/tv2"
 android:layout_width="0dp"
 android:layout_height="match_parent"
 android:layout_marginLeft="8dp"
 android:layout_marginRight="8dp"
 android:layout_weight="1"
 android:gravity="center_vertical"
 android:padding="8dp"
 android:text="price"
 android:textColor="#131313"
 android:textSize="18sp"
 android:textStyle="bold" />

</LinearLayout>
```

## Output-



## XML Code:

```
<?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=".menuItems">

 <androidx.recyclerview.widget.RecyclerView
 android:id="@+id/recycleView1"
 android:layout_width="match_parent"
 android:layout_height="match_parent"
 tools:listitem="@layout/menuname"/>
</LinearLayout>
```

## Source Code :

### • Model Class:

- `package` com.shivam.foodorder.Models;

```
public class iteams {

 String iteam_name;
 String price;

 public iteams() {
 }

 public iteams(String iteam_name, String price) {
 this.iteam_name = iteam_name;
 this.price = price;
 }

 public String getIteam_name() {
 return iteam_name;
 }

 public void setIteam_name(String iteam_name) {
 this.iteam_name = iteam_name;
 }
}
```

```

 public String getPrice() {
 return price;
 }

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

```

## • Adapter Class :

```

package com.shivam.foodorder.Adapters;

```

```

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

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

import com.shivam.foodorder.Models.iteams;
import com.shivam.foodorder.R;

import java.util.ArrayList;

```

```

public class iteamAdapter extends
RecyclerView.Adapter<iteamAdapter.viewHolder> {

 private ArrayList<iteams> list;
 private Context context;

 public iteamAdapter(ArrayList<iteams> list, Context context) {
 this.list = list;
 this.context = context;
 }

 @NonNull
 @Override
 public viewHolder onCreateViewHolder(@NonNull ViewGroup parent, int

```

```

viewType) {
 View view=
 LayoutInflater.from(parent.getContext()).inflate(R.layout.menuname,pare
nt,false);
 return new viewHolder(view);
}

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

 iteams iteams = list.get(position);
 holder.setdata(iteams.getItem_name(),iteams.getPrice());

}

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

public class viewHolder extends RecyclerView.ViewHolder {

 TextView textView1;
 TextView textView2;

 public viewHolder(@NonNull View itemView) {
 super(itemView);
 textView1 = itemView.findViewById(R.id.tv1);
 textView2 = itemView.findViewById(R.id.tv2);
 }
 private void setdata(final String textView1, final String
textView2)
 {
 this.textView1.setText(textView1);
 this.textView2.setText(textView2);

 }
}
}

```

## Main Class :

```

package com.shivam.foodorder;

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

import android.os.Bundle;

```

```

import android.widget.Toast;

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 com.shivam.foodorder.Adapters.iteamAdapter;

import com.shivam.foodorder.Models.iteams;

import java.util.ArrayList;

public class menuItems extends AppCompatActivity {

 RecyclerView recyclerView;
 private ArrayList<iteams> list;

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

 getSupportActionBar().setTitle(getIntent().getStringExtra("title"));

 final FirebaseDatabase database =
 FirebaseDatabase.getInstance();
 DatabaseReference myRef = database.getReference();

 recyclerView = findViewById(R.id.recycleView1);
 list= new ArrayList<>();

 final iteamAdapter a = new iteamAdapter(list,this);
 recyclerView.setAdapter(a);

 final LinearLayoutManager layoutManager = new
 LinearLayoutManager(this);
 recyclerView.setLayoutManager(layoutManager);

 myRef.child("iteams").child(getIntent().getStringExtra("title")).
 addListenerForSingleValueEvent(new ValueEventListener() {
 @Override
 public void onDataChange(@NonNull DataSnapshot
dataSnapshot) {
 for(DataSnapshot dataSnapshot1:
dataSnapshot.getChildren())
 {
 list.add(dataSnapshot1.getValue(iteams.class));
 }
 }
 });
 }
}

```

```
 }
 a.notifyDataSetChanged();
 }

 @Override
 public void onCancelled(@NonNull DatabaseError
databaseError) {
 Toast.makeText(menuItems.this,
databaseError.getMessage(), Toast.LENGTH_SHORT).show();
 finish();
 }
});

}

}
```

## Output-

[illegible]

## Xml code:

```
<fragment xmlns:android="http://schemas.android.com/apk/res/
android"
 xmlns:map="http://schemas.android.com/apk/res-auto"
 xmlns:tools="http://schemas.android.com/tools"
 android:id="@+id/map"
 android:name="com.google.android.gms.maps.SupportMapFragment"

 android:layout_width="match_parent"
 android:layout_height="match_parent"
 tools:context="example.com.mapexample.MainActivity" />
```

## build.gradle:

```
dependencies {
 implementation fileTree(dir: 'libs', include: ['*.jar'])
 implementation 'com.android.support:appcompat-v7:26.1.0'
 implementation 'com.google.android.gms:play-services-maps:11.8.0'
 compile 'com.google.android.gms:play-services-location:11.8.0'
 testImplementation 'junit:junit:4.12'
 androidTestImplementation 'com.android.support.test:runner:1.0.1'
 androidTestImplementation 'com.android.support.test.espresso:espresso-core:3.0.1'
}
```

## MainActivity.java:

```
package example.com.mapexample;

import android.os.Build;
import android.support.v4.app.FragmentActivity;
import android.os.Bundle;

import com.google.android.gms.common.api.GoogleApiClient;
import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.BitmapDescriptorFactory;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.Marker;
import com.google.android.gms.maps.model.MarkerOptions;
```

```

import com.google.android.gms.location.LocationServices;

import android.location.Location;
import android.Manifest;
import android.content.pm.PackageManager;
import android.support.v4.content.ContextCompat;
import com.google.android.gms.common.ConnectionResult;
import com.google.android.gms.location.LocationListener;
import com.google.android.gms.location.LocationRequest;

public class MapsActivity extends FragmentActivity implements OnMapReadyCallback,
 LocationListener, GoogleApiClient.ConnectionCallbacks,
 GoogleApiClient.OnConnectionFailedListener{

 private GoogleMap mMap;
 Location mLastLocation;
 Marker mCurrLocationMarker;
 GoogleApiClient mGoogleApiClient;
 LocationRequest mLocationRequest;

 @Override
 protected void onCreate(Bundle savedInstanceState) {
 super.onCreate(savedInstanceState);
 setContentView(R.layout.activity_maps);
 // Obtain the SupportMapFragment and get notified when the map is
 // ready to be used.
 SupportMapFragment mapFragment = (SupportMapFragment) getSupportFragmentManager()
 .findFragmentById(R.id.map);
 mapFragment.getMapAsync(this);
 }

 @Override
 public void onMapReady(GoogleMap googleMap) {
 mMap = googleMap;

 if (android.os.Build.VERSION.SDK_INT >= Build.VERSION_CODES.M) {
 if (ContextCompat.checkSelfPermission(this,
 Manifest.permission.ACCESS_FINE_LOCATION)
 == PackageManager.PERMISSION_GRANTED) {
 buildGoogleApiClient();
 }
 }
 }

```



```

 mMap.setMyLocationEnabled(true);
 }
}
else {
 buildGoogleApiClient();
 mMap.setMyLocationEnabled(true);
}

}

protected synchronized void buildGoogleApiClient() {
 mGoogleApiClient = new GoogleApiClient.Builder(this)
 .addConnectionCallbacks(this)
 .addOnConnectionFailedListener(this)
 .addApi(LocationServices.API).build();
 mGoogleApiClient.connect();
}

@Override
public void onConnected(Bundle bundle) {

 mLocationRequest = new LocationRequest();
 mLocationRequest.setInterval(1000);
 mLocationRequest.setFastestInterval(1000);
 mLocationRequest.setPriority(LocationRequest.PRIORITY_BALAN
CED_POWER_ACCURACY);
 if (ContextCompat.checkSelfPermission(this,
 Manifest.permission.ACCESS_FINE_LOCATION)
 == PackageManager.PERMISSION_GRANTED) {
 LocationServices.FusedLocationApi.requestLocationUpdates(mG
oogleApiClient, mLocationRequest, this);
 }

}

@Override
public void onConnectionSuspended(int i) {

}

@Override
public void onLocationChanged(Location location) {

 mLastLocation = location;
 if (mCurrLocationMarker != null) {
 mCurrLocationMarker.remove();
 }
}

```

```

 }
 //Place current location marker
 LatLng latLng = new LatLng(location.getLatitude(), location.getLongitude());
 MarkerOptions markerOptions = new MarkerOptions();
 markerOptions.position(latLng);
 markerOptions.title("Current Position");
 markerOptions.icon(BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_GREEN));
 mCurrentLocationMarker = mMap.addMarker(markerOptions);

 //move map camera
 mMap.moveCamera(CameraUpdateFactory.newLatLng(latLng));
 mMap.animateCamera(CameraUpdateFactory.zoomTo(11));

 //stop location updates
 if (mGoogleApiClient != null) {
 LocationServices.FusedLocationApi.removeLocationUpdates(mGoogleApiClient, this);
 }
}

@Override
public void onConnectionFailed(ConnectionResult connectionResult)
{

}
}

```

## AndroidManifest.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
 package="example.com.mapexample">
 <!--
 The ACCESS_COARSE/
 FINE_LOCATION permissions are not required to use
 Google Maps Android API v2, but you must specify either coarse or fine
 location permissions for the 'MyLocation' functionality.
 -->
 <uses-
permission android:name="android.permission.ACCESS_FINE_LOCATION" /
>

```

```

<uses-
permission android:name="android.permission.ACCESS_COARSE_LOCATION"
/>
<uses-permission android:name="android.permission.INTERNET" />

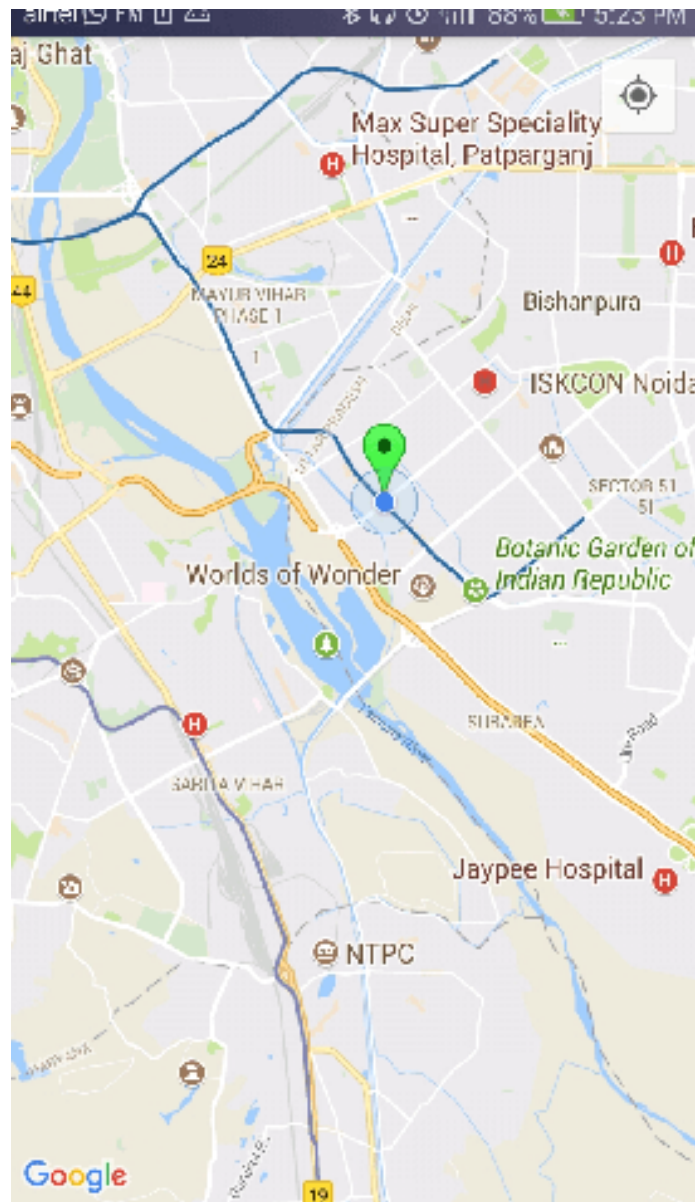
<application
 android:allowBackup="true"
 android:icon="@mipmap/ic_launcher"
 android:label="@string/app_name"
 android:roundIcon="@mipmap/ic_launcher_round"
 android:supportsRtl="true"
 android:theme="@style/AppTheme">
 <!--
 The API key for Google Maps-
 based APIs is defined as a string resource.
 (See the file "res/values/google_maps_api.xml").
 Note that the API key is linked to the encryption key used to sign the A
 PK.
 You need a different API key for each encryption key, including the rele
 ase key that is used to
 sign the APK for publishing.
 You can define the keys for the debug and release targets in src/
 debug/ and src/release/.
 -->
 <meta-data
 android:name="com.google.android.geo.API_KEY"
 android:value="@string/google_maps_key" />

 <activity
 android:name=".MapsActivity"
 android:label="@string/title_activity_maps">
 <intent-filter>
 <action android:name="android.intent.action.MAIN" />

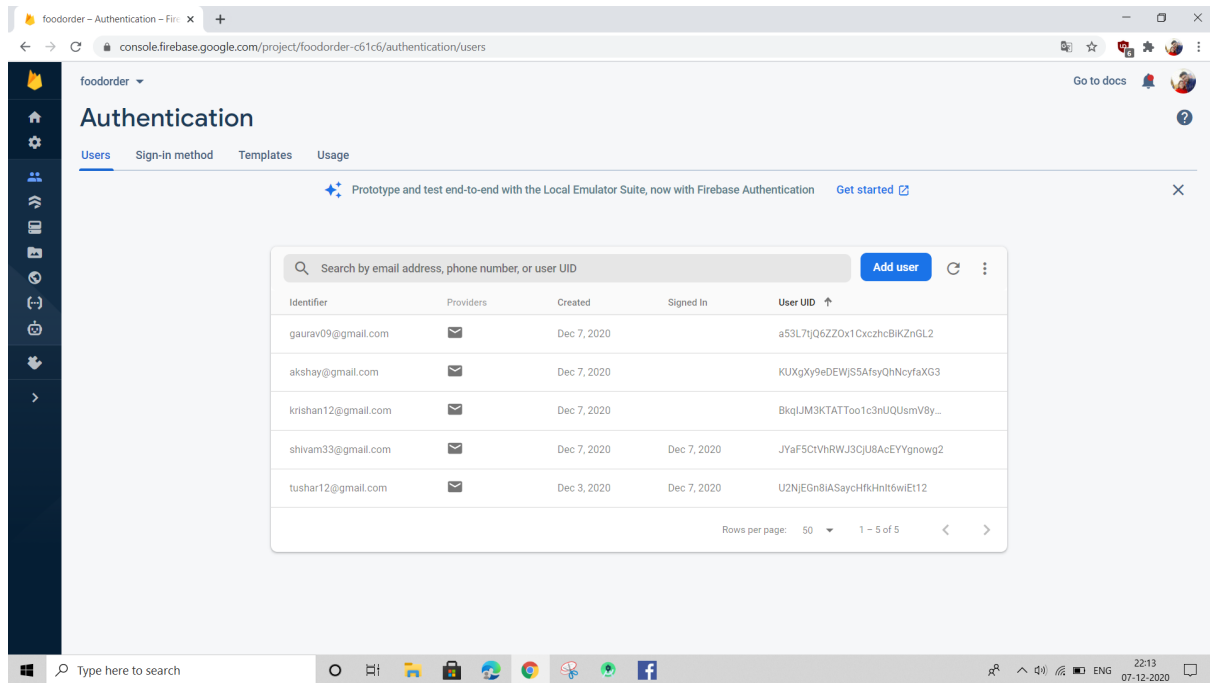
 <category android:name="android.intent.category.LAUNCHER" />
 </intent-filter>
 </activity>
</application>
</manifest>

```

**Output :**



# Firestore -



The screenshot shows the Firebase Authentication console for a project named 'foodorder'. The 'Users' tab is selected, displaying a table of registered users. The table includes columns for Identifier, Providers, Created, Signed In, and User UID. There are five users listed, all created on December 7, 2020. A search bar at the top allows filtering by email, phone number, or user ID. A 'Get started' link and a 'Prototype and test end-to-end with the Local Emulator Suite, now with Firebase Authentication' message are also visible.

foodorder - Authentication - Fire x

console.firebase.google.com/project/foodorder-c61c6/authentication/users

Go to docs

Authentication

Users Sign-in method Templates Usage

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

Search by email address, phone number, or user UID [Add user](#)

Identifier	Providers	Created	Signed In	User UID
gaurav09@gmail.com		Dec 7, 2020		a53L7yQ6ZZOx1CxczhcBIKZnGL2
akshay@gmail.com		Dec 7, 2020		KUXgXy9eDEWjS5AfsyQhNcyfaXG3
krishan12@gmail.com		Dec 7, 2020		BkqLJM3KTATToo1c3nUQUsmV8y...
shivam33@gmail.com		Dec 7, 2020	Dec 7, 2020	JYaf5CtVhRWJ3CjU8AcEYgnowg2
tushar12@gmail.com		Dec 3, 2020	Dec 7, 2020	UZNjEGn8IASaycHfkHntf6wEt12

Rows per page: 50 1 - 5 of 5

Type here to search

22:13 07-12-2020

 <https://foodorder-c61c6-default-rtdb.firebaseio.com/>



**foodorder-c61c6-default-rtdb**

 category

 iteams

https://foodorder-c61c6-default-rtdb.firebaseio.com/

foodorder-c61c6-default-rtdb

category

iteams

Chawla Chicken

Food Box

a1

iteam\_name: "Veg Cheese Burger"

price: "120"

a2

iteam\_name: "Veg Momos"

price: "100"

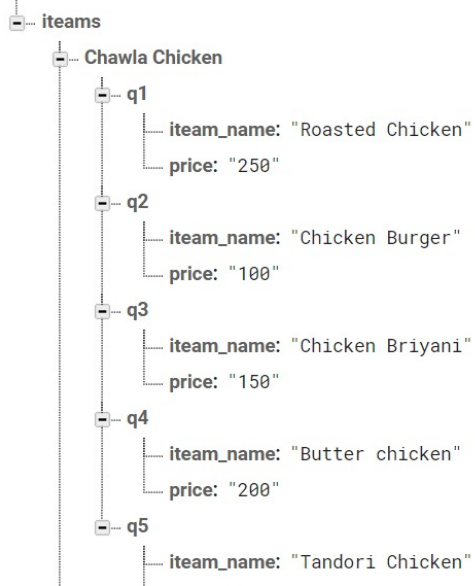
a3

iteam\_name: "Veg Cheese pizza"

price: "200"

Database location: United States (us-central1)

<https://foodorder-c61c6-default-rtdb.firebaseio.com/>



Database location: United States (us-central1)



https://foodorder-c61c6-default-rtdb.firebaseio.com/

foodorder-c61c6-default-rtdb + x

category

c1

resturantname: "Food Box"

url: "https://firebasestorage.googleapis.com/v0/b/foo..."

c2

resturantname: "Chawla Chicken"

url: "https://firebasestorage.googleapis.com/v0/b/foo..."

c3

resturantname: "Burger Boss"

url: "https://firebasestorage.googleapis.com/v0/b/foo..."


c4

resturantname: "Saffron"



url: "https://firebasestorage.googleapis.com/v0/b/foo..."








items

# Storage :

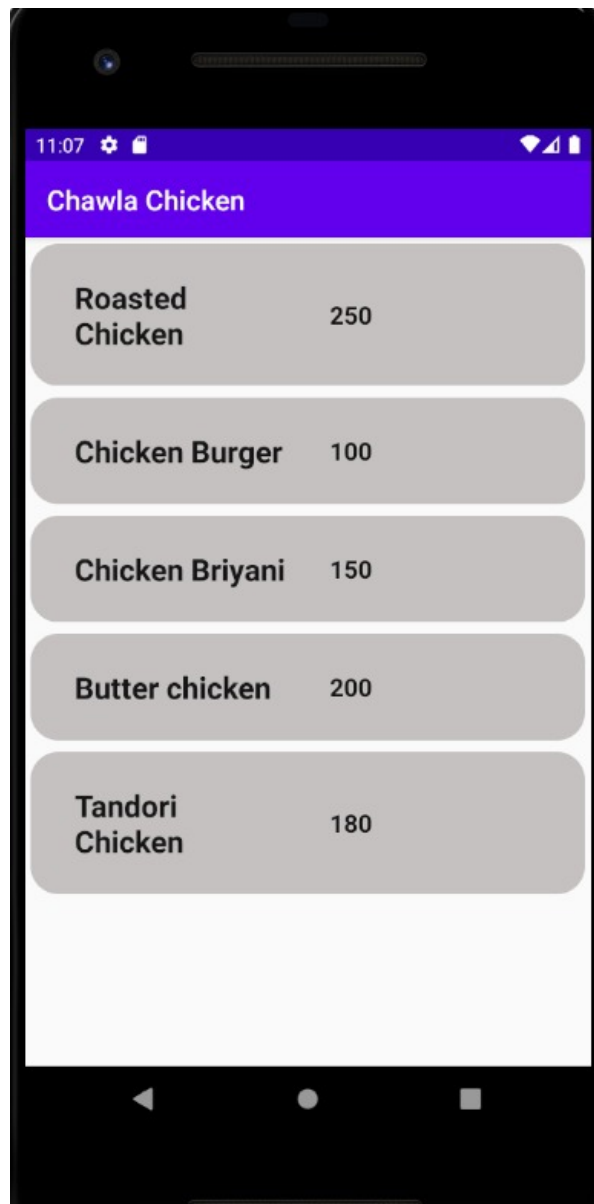
 gs://foodorder-c61c6.appspot.com > categories

Upload file

<input type="checkbox"/>	Name	Size	Type	Last modified
<input type="checkbox"/>	 food1.jpg	13.83 KB	image/jpeg	Dec 5, 2020
<input type="checkbox"/>	 food2.jpg	14.72 KB	image/jpeg	Dec 5, 2020
<input type="checkbox"/>	 food3.jpg	11.78 KB	image/jpeg	Dec 5, 2020
<input type="checkbox"/>	 food4.jpg	10.44 KB	image/jpeg	Dec 5, 2020
<input type="checkbox"/>	 food5.jpg	8.65 KB	image/jpeg	Dec 5, 2020
<input type="checkbox"/>	 food6.jpg	10.28 KB	image/jpeg	Dec 5, 2020
<input type="checkbox"/>	 food7.jpg	7.81 KB	image/jpeg	Dec 5, 2020

**Final product :**



11:07



## Categories



*Food Swipe*



Food Box



Chawla Chicken

