

Login and Registration with email and password:

activity_main:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/a
ndroid"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="10dp"
    android:paddingLeft="10dp"
    android:paddingRight="10dp"
    android:paddingTop="10dp"
    >

    <LinearLayout
        android:id="@+id/layout_buttons"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:padding="20dp"
        android:orientation="vertical">

        <Button
            android:id="@+id/button_login"
            android:layout_width="150dp"
            android:layout_height="wrap_content"
            android:onClick="loginpage"
            android:text="login" />
```

```
        <Button
            android:onClick="registrationpage"
            android:id="@+id/button_registration"
            android:layout_width="150dp"
            android:layout_height="wrap_content"
            android:text="Registration" />

    </LinearLayout>
```

```
</RelativeLayout>
```

Mainactivity:

```
package com.krish.savingretrieving;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;

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

import com.google.firebase.auth.FirebaseAuth;
import
com.google.firebase.database.DatabaseReference;
import
com.google.firebase.database.FirebaseDatabase;
public class MainActivity extends AppCompatActivity
{
```

```

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

}

public void loginpage(View view) {
    Intent i = new Intent(this, LoginActivity.class);
    startActivity(i);
}

public void registrationpage(View view) {
    Intent i = new
Intent(this, RegisterActivity.class);
    startActivity(i);
}

```

*// to validate the form is user has filled the
required fields*

```

}

```

login.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/a
ndroid"

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"
android:padding="20dp"
tools:context=".LoginActivity">
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Emailaddress: "
    android:textSize="20sp"
/>
```

```
<EditText
    android:id="@+id/login_email"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:hint="Enter Email address" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Password: "
    android:textSize="20sp" />
```

```
<EditText
    android:id="@+id/login_password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"

    android:hint="enter password"
    android:inputType="textPassword" />

<Button
    android:id="@+id/login"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Login"
    android:onClick="login_user"/>
</LinearLayout>
```

LoginActivity:

```
package com.krish.savingretrieving;

import android.app.ProgressDialog;
import android.content.Intent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
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.AuthResult;
import com.google.firebase.auth.FirebaseAuth;

public class LoginActivity extends
AppCompatActivity {
    private EditText txtEmailLogin;
    private EditText txtPwd;
    private FirebaseAuth firebaseAuth;
    @Override
    protected void onCreate(Bundle
savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.login);

        txtEmailLogin=findViewById(R.id.login_email);
        txtPwd=findViewById(R.id.login_password);
        firebaseAuth =FirebaseAuth.getInstance();

    }

    public void login_user(View view) {
        final ProgressDialog progressDialog
            =ProgressDialog.
                show(LoginActivity.this, "please
wait", "processing", true);
        (firebaseAuth

```

```

.signInWithEmailAndPassword(txtEmailLogin.getText()
.toString(),

txtPwd.getText().toString()).addOnCompleteListener
(new
OnCompleteListener<com.google.firebase.auth.AuthRes
ult>() {

    @Override
    public void onComplete(@NonNull
Task<com.google.firebase.auth.AuthResult> task) {
        progressDialog.dismiss();
        if(task.isSuccessful()){

Toast.makeText(LoginActivity.this, "login
Sucessfull", Toast.LENGTH_SHORT).show();
            Intent i = new
Intent(LoginActivity.this, ProfileActivity.class);

i.putExtra("email", firebaseAuth.getCurrentUser().ge
tEmail());

            startActivity(i);

        }
        else{

Log.e("error", task.getException().toString());

Toast.makeText(LoginActivity.this,

```

```
task.getException().getMessage(),  
Toast.LENGTH_SHORT).show();
```

```
        }  
    }  
    });
```

```
    }  
}
```

register.xml

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<LinearLayout
```

```
xmlns:android="http://schemas.android.com/apk/res/a  
ndroid"
```

```
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"
```

```
android:padding="20dp"
```

```
tools:context=".RegisterActivity">
```

```
<TextView
```

```
    android:id="@+id/textView"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:text="Emailaddress:"
```

```
    android:textSize="20sp"
```



```
<EditText
    android:id="@+id/registration_email"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:hint="Enter Email address" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Password: "
    android:textSize="20sp" />
```

```
<EditText
    android:id="@+id/registration_password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:hint="enter password"
    android:inputType="textPassword" />
```

```
<Button
    android:id="@+id/registration"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Registration"
    android:onClick="user_registration_click" />
```

</LinearLayout>

RegisterActivity.java:

```
package com.krish.savingretrieving;

import android.app.ProgressDialog;
import android.content.Intent;
import android.support.annotation.NonNull;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.ProgressBar;
import android.widget.Toast;

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 RegisterActivity extends
AppCompatActivity {
    private EditText txtEmailAddress;
    private EditText txtPassword;
    private FirebaseAuth firebaseAuth;
    @Override
    protected void onCreate(Bundle
savedInstanceState) {
        super.onCreate(savedInstanceState);
```

```

        setContentView(R.layout.register);
        txtEmailAddress=(EditText)

findViewById(R.id.registration_email);
        txtPassword=(EditText)

findViewById(R.id.registration_password);
        firebaseAuth =FirebaseAuth.getInstance();

    }

    public void user_registration_click(View view) {
        final ProgressDialog progressDialog
            =ProgressDialog.
                show(RegisterActivity.this, "please
wait", "processing", true);
        (
firebaseAuth.createUserWithEmailAndPassword
            (txtEmailAddress.getText().toString(),
            txtPassword.getText().toString()))
            .addOnCompleteListener(this, new
OnCompleteListener<AuthResult>() {
                @Override
                public void onComplete(@NonNull
Task<AuthResult> task) {
                    progressDialog.dismiss();
                    if(task.isSuccessful()){

```

```

Toast.makeText(RegisterActivity.this, "Registration
Sucessfull", Toast.LENGTH_SHORT).show();
        Intent i = new
Intent(RegisterActivity.this, LoginActivity.class);
        startActivity(i);
    }
    else {

Log.e("error", task.getException().toString());

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

    }
    }
    });
}
}

```

profile.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/a
ndroid"

xmlns:app="http://schemas.android.com/apk/res-auto"

```

```
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:orientation="vertical"
android:layout_height="wrap_content"
tools:context=".ProfileActivity">
```

```
<TextView
```

```
    android:id="@+id/textView3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginTop="16dp"
    android:text="Welcome:"
```

```
    android:textSize="30dp" />
```

```
<TextView
```

```
    android:id="@+id/TextEmailProfile"
    android:layout_width="398dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignTop="@+id/textView3"
    android:layout_marginEnd="104dp"
```

```
    android:text="Email"
    android:textSize="30dp" />
```

```
</LinearLayout>
```

ProfileActivity:

```

package com.krish.savingretrieving;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;

public class ProfileActivity extends
AppCompatActivity {
    private TextView tvEmail;
    @Override
    protected void onCreate(Bundle
savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.profile);
        tvEmail=findViewById(R.id.TextEmailProfile);

        tvEmail.setText(getIntent().getExtras().getString("
email"));
    }
}

```

AndroidManifest.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<manifest
xmlns:android="http://schemas.android.com/apk/res/a
ndroid"
    package="com.krish.savingretrieving">
<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">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action
android:name="android.intent.action.MAIN" />

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

        <!--
            Set color used with incoming
notification messages. This is used when no color
is set for the incoming
            notification message. See
README(https://goo.gl/6BKBk7) for more.
        -->


        <activity
android:name=".ProfileActivity"></activity>
    </application></manifest>

```

← → ↺

https://console.firebase.google.com/project/savingretrieving/authentication/users?pli=1

☆ ⓘ ⋮

 **Firebase**

Project Overview

⚙️

Develop

Authentication

Database

Storage

Hosting

Functions

ML Kit

Quality

Crashlytics

Performance

Test Lab

Spark

Free \$0/month

Upgrade

Savingretrieving

Go to docs

Web setup

Authentication

Users

Sign-in method

Templates

Usage

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

Add user

↻ ⋮

Identifier	Providers	Created	Signed In	User UID ↑
devianusha.n@apssdc.in	📧	Feb 5, 2019	Feb 5, 2019	2YsZvfJSmPVovBHnr1fhoNCQZxE3
devianushan@gmail.com	📧	Feb 5, 2019	Feb 5, 2019	ETtYKS1qCgawD1WZisOZg4bLaM...
sandya@gmail.com	📧	Feb 5, 2019	Feb 5, 2019	XFEOBHG9JWELkYpyl6KGLovO9j1
ch990847982@gmail.com	📧	Feb 5, 2019	Feb 5, 2019	b6pakct3m2ZGJfyQrtKOctpzWRk2
prasanthi@gmail.com	📧	Feb 5, 2019	Feb 5, 2019	nv59k4yyl6glQG6E75wz4Jhp5B12
pavankumarreddy.t@apssdc...	📧	Feb 5, 2019	Feb 5, 2019	sb6mJ5Z9X1gl8pFkL21pnkFh0px1
please@gmail.com	📧	Feb 5, 2019	Feb 5, 2019	wSxgK76N1jgHPeNtPzCFMthig1

Activate Windows
Go to Settings to activate Windows.