

```
1 package com.example.firebaseauth;
2
3 import android.content.Intent;
4 import android.os.Bundle;
5 import android.text.TextUtils;
6 import android.view.View;
7 import android.widget.Button;
8 import android.widget.ProgressBar;
9 import android.widget.TextView;
10 import android.widget.Toast;
11
12 import androidx.annotation.NonNull;
13 import androidx.appcompat.app.AppCompatActivity;
14
15 import com.google.android.gms.tasks.
    OnCompleteListener;
16 import com.google.android.gms.tasks.OnSuccessListener
    ;
17 import com.google.android.gms.tasks.Task;
18 import com.google.android.material.textfield.
    TextInputEditText;
19 import com.google.firebase.auth.AuthResult;
20 import com.google.firebase.auth.FirebaseAuth;
21 import com.google.firebase.auth.FirebaseUser;
22 import com.google.firebase.firestore.
    DocumentReference;
23 import com.google.firebase.firestore.DocumentSnapshot
    ;
24 import com.google.firebase.firestore.
    FirebaseFirestore;
25
26 public class Login extends AppCompatActivity {
27     TextInputEditText editTextEmail, editTextPassword;
28     Button buttonLogin;
29     FirebaseAuth mAuth;
30
31     FirebaseFirestore fStore;
32     ProgressBar progressBar;
33     TextView textView;
34
35     public enum Role {
```

```

36         ADMIN,
37         EMPLOYE,
38         CLIENT
39     }
40
41     @Override
42     public void onStart() {
43         super.onStart();
44         FirebaseUser currentUser = mAuth.
getCurrentUser();
45         if(currentUser != null){
46             //Intent intent = new Intent(
getApplicationContext(), MainActivity.class);
47             //startActivity(intent);
48             //finish();
49         }
50     }
51
52     protected void onCreate(Bundle savedInstanceState
){
53         super.onCreate(savedInstanceState);
54         setContentView(R.layout.activity_login);
55         mAuth=FirebaseAuth.getInstance();
56         fStore = FirebaseFirestore.getInstance();
57
58         editTextEmail=findViewById(R.id.email);
59         editTextPassword= findViewById(R.id.password
);
60         buttonLogin=findViewById(R.id.btn_login);
61         progressBar=findViewById(R.id.progressBar);
62         textView= findViewById(R.id.registerNow);
63         textView.setOnClickListener(new View.
OnClickListener() {
64             @Override
65             public void onClick(View v) {
66                 Intent intent = new Intent(
getApplicationContext(), Register.class);
67                 startActivity(intent);
68                 finish();
69             }
70         });

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71
72         buttonLogin.setOnClickListener(new View.
onClickListener() {
73             @Override
74             public void onClick(View v) {
75                 progressBar.setVisibility(View.
VISIBLE);
76                 String email, password, role;
77                 email= String.valueOf(editTextEmail.
getText());
78                 password=String.valueOf(
editTextPassword.getText());
79
80                 // role doit prendre la valeur
enregistrer sur firebase
81                 role = String.valueOf(Role.CLIENT);
82
83                 if (TextUtils.isEmpty(email)){
84                     Toast.makeText(Login.this, "
Enter email", Toast.LENGTH_SHORT).show();
85                     return;
86                 }
87
88                 if (TextUtils.isEmpty(password)){
89                     Toast.makeText(Login.this, "
Enter password", Toast.LENGTH_SHORT).show();
90                     return;
91                 }
92
93                 mAuth.signInWithEmailAndPassword(
email, password)
94                     .addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
95                         @Override
96                         public void onComplete(@
NonNull Task<AuthResult> task) {
97                             progressBar.
setVisibility(View.GONE);
98                             if (task.
isSuccessful()) {
99                                 FirebaseUser

```

```

99 user = mAuth.getCurrentUser();
100
101     DatabaseReference df = fStore.collection("Users").
        document(user.getId());
102
103         Toast.makeText(
            getApplicationContext(), "Login Successful", Toast.
            LENGTH_SHORT).show();
104
105         df.get().
            addOnSuccessListener(new OnSuccessListener<
            DocumentSnapshot>() {
106                                     @Override
107                                     public void
            onSuccess(DocumentSnapshot documentSnapshot) {
108                                     if(
            documentSnapshot.getString("isAdmin") != null) {
109
            Intent intent = new Intent(getApplicationContext(),
            MainActivity.class);
110
            startActivity(intent);
111                                     } else
            if (documentSnapshot.getString("isEmploye") != null
            ) {
112
            Intent intent = new Intent(getApplicationContext(),
            MainActivityEmploye.class);
113
            startActivity(intent
            );
114                                     } else {
115
            Intent intent = new Intent(getApplicationContext(),
            MainActivityClient.class);
116
            startActivity(intent);
117                                     }
118                                     finish
            ();

```

```
119
120                                     }
121                                     });
122
123
124
125
126
127
128
129                                     } else {
130                                     // If sign in
    fails, display a message to the user.
131
132                                     Toast.makeText(
    Login.this, "Authentication failed.",
133                                     Toast.
    LENGTH_SHORT).show();
134
135                                     }
136                                     }
137                                     });
138                                     }
139                                     });
140     }
141 }
142
```