Project tittle:

MA Messenger

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login_page:

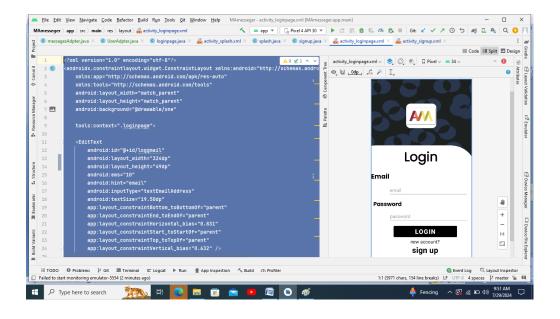
Xml code:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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="@drawable/one"
    tools:context=".loginpage">
    <EditText
        android:id="@+id/loggmail"
        android:layout width="324dp"
        android:layout height="49dp"
        android:ems="10"
        android:hint="email"
        android:inputType="textEmailAddress"
        android:textSize="@dimen/_15sdp"
        app:layout constraintBottom toBottomOf="parent"
        app:layout_constraintEnd toEndOf="parent"
        app:layout constraintHorizontal bias="0.831"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout constraintVertical bias="0.632" />
    <TextView
        android:id="@+id/textView7"
        android:layout_width="112dp"
        android:layout height="45dp"
        android:fontFamily="@font/poppins bold"
        android:gravity="center vertical"
        android:text="Email"
        android:textColor="@color/black"
        android:textSize="@dimen/_20sdp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout constraintEnd toEndOf="parent"
        app:layout constraintHorizontal bias="0.0"
        app:layout constraintStart toStartOf="parent"
        app:layout constraintTop toTopOf="parent"
        app:layout constraintVertical bias="0.552" />
```

```
android:id="@+id/textView6"
    android:layout width="125dp"
    android:layout height="49dp"
    android:fontFamily="@font/poppins bold"
    android:gravity="center vertical"
    android:text="Password"
    android:textColor="@color/black"
    android:textSize="@dimen/_18sdp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal bias="0.031"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical bias="0.718" />
<ImageView</pre>
    android:id="@+id/imageView2"
    android:layout width="124dp"
    android:layout height="95dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal bias="0.498"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.165"
    app:srcCompat="@drawable/av" />
<TextView
    android:id="@+id/textView4"
    android:layout width="183dp"
    android:layout height="71dp"
    android:fontFamily="@font/poppins regular"
    android:gravity="center"
    android:text="Login"
    android:textColor="@color/black"
    android:textSize="@dimen/ 40sdp"
    android:textStyle="bold"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintHorizontal bias="0.491"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="0.427" />
<EditText
    android:id="@+id/logPassword"
    android:layout width="327dp"
    android:layout height="44dp"
    android:ems="10"
    android:hint="password"
    android:inputType="textPassword"
    android:textSize="@dimen/_15sdp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintHorizontal bias="0.863"
    app:layout_constraintStart_toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="0.789" />
```

```
<Button
   android:id="@+id/logbutton"
   android:layout width="@dimen/ 200sdp"
   android:layout height="57dp"
   android:backgroundTint="@color/black"
   android:text="login"
   android:textSize="@dimen/ 20sdp"
   android:textStyle="bold"
   app:layout constraintBottom toBottomOf="parent"
   app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal bias="0.609"
   app:layout_constraintStart toStartOf="parent"
   app:layout_constraintTop_toTopOf="parent"
   app:layout constraintVertical bias="0.884" />
<TextView
   android:id="@+id/textView9"
   android:layout width="280dp"
   android:layout height="wrap content"
   android:gravity="center"
   android:text="new account?"
   android:textColor="@color/black"
   android:textSize="@dimen/ 15sdp"
   app:layout constraintBottom toBottomOf="parent"
   app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal_bias="0.618"
   app:layout constraintStart toStartOf="parent"
   app:layout constraintTop toTopOf="parent"
   app:layout constraintVertical bias="0.926" />
<TextView
   android:id="@+id/textView10"
   android:layout width="wrap content"
   android:layout height="wrap content"
   android:gravity="center"
   android:text="sign up"
   android:textColor="@color/black"
   android:textSize="@dimen/ 25sdp"
   android:textStyle="bold"
   app:layout constraintBottom toBottomOf="parent"
   app:layout constraintEnd toEndOf="parent"
   app:layout constraintHorizontal bias="0.552"
   app:layout constraintStart toStartOf="parent"
   app:layout constraintTop toTopOf="parent"
   app:layout constraintVertical bias="0.986" />
```

</androidx.constraintlayout.widget.ConstraintLayout>



Java Code:

```
package com.example.mamesseger;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.app.ProgressDialog;
import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
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.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
public class loginpage extends AppCompatActivity {
    Button logbtn;
    EditText email;
    EditText password;
    FirebaseAuth auth;
     String Emailpattern="[a-zA-Z0-9. -]+@[a-z]+\.+[a-z]+";
    android.app.ProgressDialog progressDialog;
```

```
@Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity loginpage);
        progressDialog = new ProgressDialog(this);
        progressDialog.setMessage("Please Wait...");
        progressDialog.setCancelable(false);
        auth=FirebaseAuth.getInstance();
        logbtn=findViewById(R.id.logbutton);
        email=findViewById(R.id.loggmail);
        password=findViewById(R.id.logPassword);
        logbtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String Email=email.getText().toString();
                String pass=password.getText().toString();
                if (TextUtils.isEmpty(Email)) {
                    progressDialog.dismiss();
                    Toast.makeText(loginpage.this, " Enter the Email",
Toast. LENGTH SHORT) . show();
                }else if(TextUtils.isEmpty(pass)){
                    progressDialog.dismiss();
                    Toast.makeText(loginpage.this, "Enter the Password",
Toast. LENGTH SHORT) . show();
                }else if(!Email.matches(Emailpattern)) {
                    progressDialog.dismiss();
                    email.setError("give proper Email");
                } else if(password.length()<6){</pre>
                    progressDialog.dismiss();
                    password.setError("Enter six Character");
                    Toast.makeText(loginpage.this, "Password need six
Character", Toast.LENGTH SHORT).show();
                }else {
                    auth.signInWithEmailAndPassword(Email,
pass).addOnCompleteListener(new OnCompleteListener<AuthResult>() {
                        @Override
                        public void onComplete(@NonNull Task<AuthResult>
task) {
                             if (task.isSuccessful()) {
                                 try {
                                     Intent intent = new
Intent(loginpage.this, MainActivity.class);
                                     startActivity(intent);
                                     finish();
                                 } catch (Exception e) {
                                     Toast.makeText(loginpage.this,
e.getMessage(), Toast.LENGTH SHORT).show();
                                 }
                             }else {
                                 Toast.makeText(loginpage.this,
task.getException().getMessage(), Toast.LENGTH_SHORT).show();
                    });
```

};
}