# Project tittle :

MA Messenger

## M Mohsin Asghar

## 21-Arid-627(6B-Evening)

### login_page:

Xml code:

```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"
    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" />

    <TextView
```

```xml
    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
    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" />
```

```xml
<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>
```
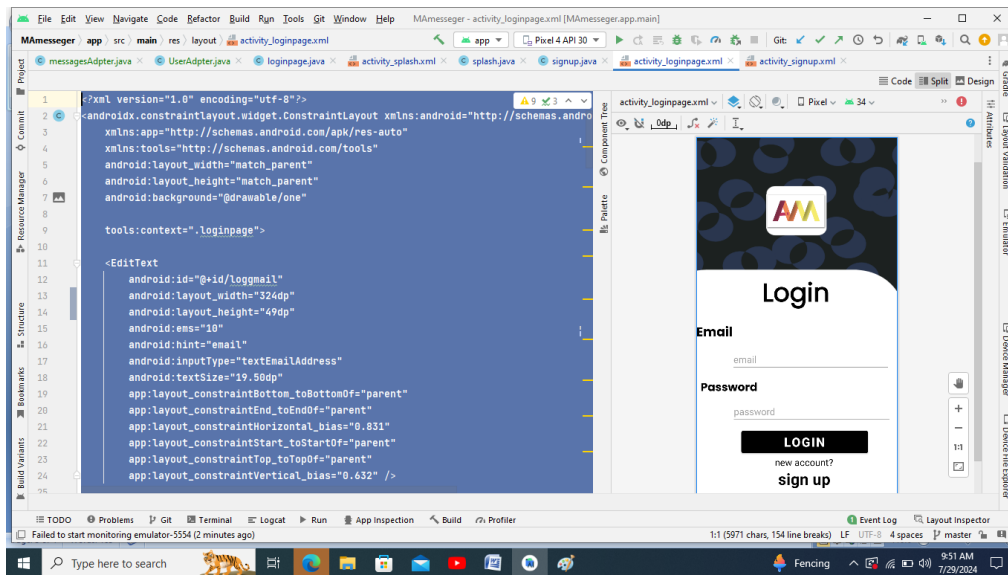
Java Code :

```java
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;
```

```java
    @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){
                    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();
                            }
                        }
                    });
                }
```

```
                };
            });
        }
    }
```