**WEEK-3**

**Activity\_main.xml**

*<?*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:gravity="center"  
 tools:context=".MainActivity">

<Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Show Custom Toast"  
 android:id="@+id/btnToast"/>  
 </LinearLayout>

**custom\_toast\_layout.xml**

*<?*xml version="1.0" encoding="utf-8"*?>* <LinearLayout  
 android:id="@+id/viewContainer"  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 android:gravity="center"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:padding="11dp"  
 android:background="#99C34A">  
 <ImageView  
 android:layout\_width="90dp"  
 android:layout\_height="103dp"  
 android:src="@drawable/baseline\_cloud\_done\_24"/>  
 <TextView  
 android:id="@+id/txtMsg"  
 android:layout\_width="match\_parent"  
 android:layout\_height="58dp"  
 android:layout\_marginLeft="11dp"  
 android:text="Toast Message "  
 android:textColor="#fff"  
 android:textSize="20dp"  
 android:textStyle="bold" />  
 </LinearLayout>

**MainActivity.java**

import androidx.appcompat.app.AppCompatActivity;  
import android.annotation.SuppressLint;

import android.os.Bundle;  
import android.view.Gravity;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
public class MainActivity extends AppCompatActivity {  
 Button btnToast;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 btnToast=findViewById(R.id.*btnToast*);  
 btnToast.setOnClickListener(new View.OnClickListener()  
 {  
 @Override  
 public void onClick(View v)  
 {  
 *//custom toast* Toast toast = new Toast(getApplicationContext());  
 View view = getLayoutInflater().inflate(R.layout.*custom\_toast\_layout*, (ViewGroup)  
 findViewById((R.id.*viewContainer*)));  
 toast.setView(view);

TextView txtMsg=view.findViewById(R.id.*txtMsg*);  
 txtMsg.setText("Message Sent Sussecufully");  
 toast.setDuration(Toast.*LENGTH\_LONG*);  
 toast.show();  
 toast.setGravity(Gravity.*TOP* | Gravity.*END*, 0,0);  
 }  
 });}  
}

**WEEK-4**

**AndroidManifest.xml**

</activity>

<activity android:name="com.cmrit.loginapplication.RegisterSuccessActivity"/>

**activity\_main.xml**

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

<RelativeLayout 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">

<TextView

android:layout\_width="129dp"

android:layout\_height="45dp"

android:layout\_alignParentEnd="true"

android:layout\_alignParentRight="true"

android:layout\_alignParentBottom="true"

android:layout\_marginEnd="168dp"

android:layout\_marginRight="168dp"

android:layout\_marginBottom="596dp"

android:text="Sign Up"

android:textSize="24sp" />

<EditText

android:id="@+id/email"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:minWidth="48dp"

android:minHeight="48dp"

android:layout\_alignParentEnd="true"

android:layout\_alignParentRight="true"

android:layout\_alignParentBottom="true"

android:layout\_marginEnd="114dp"

android:layout\_marginRight="114dp"

android:layout\_marginBottom="464dp"

android:text="EmailId”/>

<Button

android:id="@+id/signUp"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentEnd="true"

android:layout\_alignParentRight="true"

android:layout\_alignParentBottom="true"

android:layout\_marginEnd="168dp"

android:layout\_marginRight="168dp"

android:layout\_marginBottom="245dp"

android:text="Sign Up" />

<EditText

android:id="@+id/Password"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:minWidth="48dp"

android:minHeight="48dp"

android:layout\_alignParentEnd="true"

android:layout\_alignParentRight="true"

android:layout\_alignParentBottom="true"

android:layout\_marginEnd="113dp"

android:layout\_marginRight="113dp"

android:layout\_marginBottom="385dp"

android:height="48dp"

android:text="Password"

android:inputType="textPassword" />

</RelativeLayout>

**activity\_registersuccess.xml**

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

<RelativeLayout 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=".RegisterSuccessActivity">

<TextView

android:id="@+id/textView"

android:layout\_width="match\_parent"

android:layout\_height="121dp"

android:layout\_alignParentEnd="true"

android:layout\_alignParentRight="true"

android:layout\_alignParentBottom="true"

android:layout\_marginEnd="-11dp"

android:layout\_marginRight="-11dp"

android:layout\_marginBottom="322dp"

android:text="Congratulations!! you are Successfully Registered."

android:textStyle="bold" />

**MainActivity.java**

package com.cmrit.loginapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.util.Patterns;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import java.util.regex.Pattern;

public class MainActivity extends AppCompatActivity {

EditText email\_Sign, password\_Sign;

Button signUp\_btn;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

email\_Sign=(EditText)findViewById(R.id.SignUp\_email);

password\_Sign=(EditText)findViewById(R.id.SignUp\_Password);

signUp\_btn =(Button)findViewById(R.id.signUpBtn);

signUp\_btn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String email = email\_Sign.getText().toString();

String password = password\_Sign.getText().toString();

if(!isValidEmail(email)){

Toast.makeText(MainActivity.this, "Enter valid Email address !", Toast.LENGTH\_SHORT).show();

return;

}

if(!isValidPassword(password)) {

Toast.makeText(MainActivity.this,"Password doesn't match rules",Toast.LENGTH\_SHORT).show();

return;

}

Intent intent = new Intent(MainActivity.this, RegisterSuccessActivity.class);

intent.putExtra("email",email);

intent.putExtra("password",password);

startActivity(intent);

}

});

}

Pattern lowerCase= Pattern.compile("^.\*[a-z].\*$");

Pattern upperCase=Pattern.compile("^.\*[A-Z].\*$");

Pattern number = Pattern.compile("^.\*[0-9].\*$");

Pattern special\_Chara = Pattern.compile("^.\*[^a-zA-Z0-9].\*$");

private Boolean isValidEmail(String email){

if (!email.isEmpty() && Patterns.EMAIL\_ADDRESS.matcher(email).matches()) {

return true;

} else {

return false;

}

}

private Boolean isValidPassword(String password){

if(password.length()<8) {

return false;

}

if(!lowerCase.matcher(password).matches()) {

return false;

}

if(!upperCase.matcher(password).matches()) {

return false;

}

if(!number.matcher(password).matches()) {

return false;

}

if(!special\_Chara.matcher(password).matches()) {

return false;

}

return true;

}

}

**RegisterSuccessActivity.java**

package com.cmrit.loginapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

public class RegisterSuccessActivity extends AppCompatActivity {

Button login\_Btn;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_registersuccess);

}

}