DAY-6

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LoginActivity_java

```
package com.example.sneha_task1;
import android.content.ClipData;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.text.TextUtils;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import java.util.regex.Matcher;
import java.util.regex.Pattern;
public class LoginActivity extends AppCompatActivity {
    EditText email, password;
    TextView createAccount;
    Button login;
    String emailpattern = \lceil a-zA-Z0-9. - \rceil + (a-z) + \lceil a-z \rceil + \lceil s-z \rceil + \rceil;
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);
        getSupportActionBar().setTitle("login");
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        email = (EditText) findViewById(R.id.email);
        password = (EditText) findViewById(R.id.password);
        login = (Button) findViewById(R.id.login);
        createAccount = (TextView) findViewById(R.id.create);
        createAccount.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                 Intent isignup =new Intent(LoginActivity.this,
SignupActivity.class);
                 LoginActivity.this.startActivity(isignup);
        });
        login.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                 if (email.getText().toString().trim().equals("")) {
                     email.setError("Enter Email ID");
                     return;
                 }
                if(TextUtils.isEmpty(password.getText().toString())){
                     password.setError("Incorrect password ");
                     return;
```

```
}
                if(!Pattern.matches(emailpattern,email.getText().toString())){
                    email.setError("Incorrect Email ID");
                    return;
                }
               if (verifyPasswordpattern(password.getText().toString())){
                   //here you can code for success !here
                   System.out.println("Success");
                   password.setError("Enter Valid Password");
                new CommonMethod(LoginActivity.this,HomeActivity.class);
            }
        });
    }
    private boolean verifyPasswordpattern(final String password) {
        String passwordpattern= "^(?=.*[0-9])(?=.*[a z])(?=.*[A-
Z])(?=.*[@#$%^&+=])(?=\\S+$).{4,}$";
        Pattern pattern = Pattern.compile(passwordpattern);
        Matcher matcher = pattern.matcher(password);
        return matcher.matches();
    }
public boolean onOptionIteamSelected(@NonNull MenuItem item){
        int idhome= item.getItemId();
        if (idhome==android.R.id.home){
            onBackAlertDialog();
        return super.onOptionsItemSelected(item);
}
    private void onBackAlertDialog(){
        AlertDialog.Builder builder=new AlertDialog.Builder(LoginActivity.this);
        builder.setTitle("Exit");
        builder.setMessage("Do you want to exit!");
        builder.setPositiveButton("yes", new DialogInterface.OnClickListener(){
            @Override
            public void onClick(DialogInterface dialog, int which) {
                finishAffinity();
        });
        builder.setNegativeButton("No", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                dialog.dismiss();
        });
        builder.show();
```

```
@Override
public void onBackPressed() {
    onBackAlertDialog();
}
```

SignupActivity.java

```
package com.example.sneha_task1;
import androidx.appcompat.app.AppCompatActivity;
import android.app.DatePickerDialog;
import android.os.Bundle;
import android.view.View;
import android.widget.Adapter;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.RadioGroup.OnCheckedChangeListener;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;
import java.text.SimpleDateFormat;
import java.time.Year;
import java.util.ArrayList;
import java.util.Calendar;
import java.util.Locale;
public class SignupActivity extends AppCompatActivity {
    TextView backtologin;
    EditText emailid, mobilenumber, username, login_password,
login confirmpassword, dateofbirth;
    Spinner citydrop, State;
    Calendar calendar;
    RadioGroup gender;
    Button login_btn;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_signup);
        getSupportActionBar().hide();
        String[] CitySpinner = new String[]{
                "City",
                "Ahmdabad",
                "surat",
                "Gandhinagar"
```

```
};
        backtologin = (TextView) findViewById(R.id.logintoback);
        username = (EditText) findViewById(R.id.username);
        emailid = (EditText) findViewById(R.id.emailid);
        login password = (EditText) findViewById(R.id.login password);
        login confirmpassword = (EditText)
findViewById(R.id.login_confirmpassword);
        mobilenumber = (EditText) findViewById(R.id.mobilenumber);
        dateofbirth = (EditText) findViewById(R.id.dateofbirth);
        State = (Spinner) findViewById(R.id.state);
        gender = (RadioGroup) findViewById(R.id.gender);
        citydrop = (Spinner) findViewById(R.id.citydrop);
        calendar = Calendar.getInstance();
        DatePickerDialog.OnDateSetListener dateSetListener = new
DatePickerDialog.OnDateSetListener() {
            @Override
            public void onDateSet(DatePicker view, int year, int month, int
dayOfMonth) {
                calendar.set(calendar.YEAR, year);
                calendar.set(calendar.MONTH, month);
                calendar.set(calendar.DAY_OF_MONTH, dayOfMonth);
                SimpleDateFormat dateFormat = new SimpleDateFormat("dd/mm/yyyy",
Locale. US);
                dateofbirth.setText(dateFormat.format(calendar.getTime()));
        };
        dateofbirth.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                DatePickerDialog dialog = new
DatePickerDialog(SignupActivity.this, dateSetListener,
calendar.get(calendar.YEAR), calendar.get(calendar.MONTH),
calendar.get(calendar.DAY_OF_MONTH));
                dialog.getDatePicker().setMaxDate(System.currentTimeMillis());
                dialog.show();
            }
        });
        gender.setOnCheckedChangeListener(new OnCheckedChangeListener() {
            @Override
            public void onCheckedChanged(RadioGroup group, int checkedId) {
                int id = gender.getCheckedRadioButtonId();
                RadioButton radioButton = findViewById(id);
            }
        });
        ArrayList<String> stateList = new ArrayList<>();
        stateList.add("State");
        stateList.add("Gujarat");
        stateList.add("Maharashtra");
        stateList.add("Madyapradesh");
        ArrayAdapter stateAdapter = new ArrayAdapter(SignupActivity.this,
android.R.layout.simple list item 1, stateList);
        stateAdapter.setDropDownViewResource(android.R.layout.simple list item 1);
```

```
State.setAdapter(stateAdapter);
        State.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> parent, View view, int
position, long id) {
                String StateSTR = stateList.get(position);
                Toast.makeText(SignupActivity.this, StateSTR, Toast.LENGTH_LONG);
                onStateSetCity(position);
            }
            @Override
            public void onNothingSelected(AdapterView<?> parent) {
            }
        });
        backtologin.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                onBackPressed();
            }
        });
    }
    private void onStateSetCity(int position) {
        ArrayList<String> cityList = new ArrayList<>();
        if (position == 1) {
            cityList.add("Ahmdabad");
            cityList.add("Gandhinagar");
            cityList.add("Anand");
            cityList.add("Vadodra");
        if (position == 2) {
            cityList.add("Mumbai");
            cityList.add("Pune");
            cityList.add("Nashik");
        if (position == 3) {
            cityList.add("Indor");
cityList.add("Bhopal");
            cityList.add("ujjain");
        ArrayAdapter cityAdapter = new ArrayAdapter(SignupActivity.this,
android.R.layout.simple_list_item_1, cityList);
        cityAdapter.setDropDownViewResource(android.R.layout.simple list item 1);
        citydrop.setAdapter(cityAdapter);
    }
}
```

Activity_login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   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=".LoginActivity"
    android:orientation="vertical">
    <TextView
       android:id="@+id/text"
       android:text="LOGIN"
        android:textColor="@color/black"
        android:textSize="24dp"
        android:layout_marginVertical="50dp"
        android:textAlignment="gravity"
        android:layout_width="match_parent"
        android:layout height="wrap content"
        android:gravity="center horizontal" />
    <EditText
       android:id="@+id/email"
        android:drawableLeft="@drawable/ic_baseline_email_24"
        android:hint="Enter Your EmailId"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="40dp"
        android:layout marginHorizontal="20dp"
       />
    <EditText
        android:id="@+id/password"
        android:drawableLeft="@drawable/ic_baseline_lock_24"
        android:hint="Enter Your Password"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
       android:layout_marginHorizontal="20dp"
       />
    <Button
        android:id="@+id/login"
        android:layout marginTop="60dp"
        android:layout_width="match_parent"
        android:layout height="wrap content"
        android:layout_marginHorizontal="20dp"
        android:text="submit"
        android:textColor="@color/white"/>
    <TextView
        android:id="@+id/create"
        android:layout_marginTop="40dp"
        android:textAlignment="center"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Create New Account"
        android:gravity="center_horizontal" />
```

```
</LinearLayout>
```

Activity_signup.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   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=".SignupActivity"
    android:orientation="vertical">
    <LinearLayout</pre>
        android:layout width="match parent"
        android:layout_height="match_parent"
        android:orientation="vertical">
        <TextView
        android:id="@+id/singuptext"
        android:textSize="24dp"
        android:text="Create New Account"
        android:layout_marginVertical="50dp"
        android:textAlignment="center"
        android:layout_marginTop="10dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center_horizontal" />
        <EditText
        android:id="@+id/username"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_marginHorizontal="10dp"
        android:layout_marginBottom="5dp"
        android:capitalize="words"
        android:hint="Username"
        android:inputType="text"
        android:paddingHorizontal="15dp"
        android:paddingVertical="15dp"
        android:drawablePadding="10dp"
        android:textSize="18dp"
        android:background="@drawable/inputbox"
        android:drawableLeft="@drawable/ic_baseline_person_24"
        />
    <EditText
        android:id="@+id/emailid"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_marginHorizontal="10dp"
        android:layout_marginBottom="5dp"
        android:capitalize="words"
        android:hint="emailid"
        android:inputType="textEmailAddress"
        android:paddingHorizontal="15dp"
        android:paddingVertical="15dp"
```

```
android:drawablePadding="10dp"
    android:textSize="18dp"
    android:background="@drawable/inputbox"
    android:drawableLeft="@drawable/ic_baseline_email_24"
<EditText
    android:id="@+id/mobilenumber"
    android:layout_width="match_parent"
    android:layout_height="65dp"
    android:layout_marginHorizontal="10dp"
    android:layout marginBottom="5dp"
    android:capitalize="words"
    android:hint="mobile Numeber"
    android:inputType="textPhonetic"
    android:paddingHorizontal="15dp"
    android:paddingVertical="15dp"
    android:drawablePadding="12dp"
    android:textSize="18dp"
    android:background="@drawable/inputbox"
    android:drawableLeft="@drawable/ic_baseline_local_phone_24"
   />
<EditText
    android:id="@+id/login password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginHorizontal="10dp"
    android:layout_marginTop="5dp"
    android:layout marginBottom="5dp"
    android:capitalize="words"
    android:hint="Password"
    android:inputType="textPassword"
    android:paddingHorizontal="15dp"
    android:paddingVertical="15dp"
    android:drawablePadding="10dp"
    android:textSize="18dp"
    android:background="@drawable/inputbox"
    android:drawableLeft="@drawable/ic_baseline_lock_24"
<EditText
    android:id="@+id/login_confirmpassword"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginHorizontal="10dp"
    android:layout marginTop="5dp"
    android:layout marginBottom="5dp"
    android:capitalize="words"
    android:hint="Confirm Password"
    android:inputType="textPassword"
    android:paddingHorizontal="15dp"
    android:paddingVertical="15dp"
    android:drawablePadding="10dp"
    android:textSize="18dp"
    android:background="@drawable/inputbox"
    android:drawableLeft="@drawable/ic_baseline_lock_24"
    />
<EditText
    android:id="@+id/dateofbirth"
```

```
android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout marginHorizontal="10dp"
    android:layout marginBottom="5dp"
    android:capitalize="words"
    android:hint="Date Of Birth"
    android:inputType="date"
    android:paddingHorizontal="15dp"
    android:paddingVertical="15dp"
    android:drawablePadding="10dp"
    android:textSize="18dp"
    android:background="@drawable/inputbox"
    android:drawableLeft="@drawable/ic_baseline_date_range_24"
    />
<TextView
    android:id="@+id/gender text"
    android:layout width="match parent"
    android:layout_height="wrap_content"
    android:textAlignment="textStart"
    android:gravity="start"
    android:text="Gender"
    android:layout marginHorizontal="10dp"
    android:textSize="18dp"
    android:textColor="#000"
   android:layout_marginVertical="5dp"
   />
<RadioGroup
    android:id="@+id/gender"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:layout_marginVertical="10dp"
    android:layout marginHorizontal="10dp">
    <RadioButton</pre>
        android:id="@+id/male"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Male"
        android:textSize="10dp"
        android:layout_weight="1"/>
    <RadioButton</pre>
        android:id="@+id/female"
        android:layout_width="match_parent"
        android:layout height="wrap content"
        android:text="FeMale"
        android:textSize="10dp"
        android:layout weight="1"/>
    <RadioButton</pre>
        android:id="@+id/others"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Others"
        android:textSize="10dp"
        android:layout_weight="1"/>
</RadioGroup>
```

```
<Spinner
            android:id="@+id/state"
            android:layout_width="match_parent"
            android:layout height="65dp"
            android:paddingHorizontal="15dp"
            android:paddingVertical= "15dp"
            android:soundEffectsEnabled="true"
            android:popupElevation="3.0dp"
            android:contextClickable="true"
            android:layout marginHorizontal="10dp"
            android:background="@drawable/inputbox"/>
    <Spinner
        android:id="@+id/citydrop"
        android:layout_width="match_parent"
        android:layout height="65dp"
        android:paddingHorizontal="15dp"
        android:paddingVertical= "15dp"
        android:soundEffectsEnabled="true"
        android:popupElevation="3.0dp"
        android:contextClickable="true"
        android:layout_marginHorizontal="10dp"
        android:background="@drawable/inputbox"/>
    <Button
        android:id="@+id/login btn"
        android:layout_width="match_parent"
        android:layout height="55dp"
        android:layout_marginTop="10dp"
        android:layout_marginHorizontal="10dp"
        android:textColor="@color/black"
        android:background="@color/cardview_light_background"
        android:textSize="20dp"
        android:textAllCaps="false"
        android:elevation="0.0dp"
        android:text="BUTTON"/>
    <TextView
       android:id="@+id/logintoback"
        android:layout_width="match_parent"
        android:layout height="wrap content"
        android:text="Back to login"
        android:textColor="#243FFF"
        android:textSize="20dp"
        android:layout_marginTop="10dp"
        android:textAlignment="center"
        android:gravity="center_horizontal" />
   </LinearLayout>
</ScrollView>
```

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    package="com.example.sneha_task1">
    <application</pre>
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher_foreground"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.Sneha task1">
        <activity android:name=".HomeActivity"></activity>
        <activity android:name=".SignupActivity" />
        <activity android:name=".LoginActivity" />
        <activity android:name=".splashmain">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

Output





