

Activity.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="257dp"
        android:layout_height="60dp"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="68dp"
        android:layout_marginBottom="642dp"
        android:gravity="center"
        android:text="Sign Up Page"
        android:textSize="30dp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.047"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.036" />

    <TextView
        android:layout_width="124dp"
        android:layout_height="41dp"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="281dp"
        android:layout_marginBottom="569dp"
        android:gravity="center"
        android:text="Username:"
        android:textSize="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.047"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.036" />

    <TextView
        android:layout_width="115dp"
        android:layout_height="38dp"
```

```
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginEnd="286dp"
android:layout_marginBottom="501dp"
android:gravity="center"
android:text="Password"
android:textSize="20dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.047"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.036" />
```

<TextView

```
android:layout_width="119dp"
android:layout_height="50dp"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginEnd="265dp"
android:layout_marginBottom="314dp"
android:gravity="center"
android:text="Date of Sign in"
android:textSize="20dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.047"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.036" />
```

<TextView

```
android:layout_width="112dp"
android:layout_height="46dp"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginEnd="284dp"
android:layout_marginBottom="433dp"
android:gravity="center"
android:text="Confrim Password"
android:textSize="20dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.047"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.036" />
```

```
<EditText
    android:id="@+id/getuserName"
    android:layout_width="240dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="31dp"
    android:layout_marginBottom="568dp"
    android:ems="10"
    android:hint="Username"
    android:inputType="text" />
```

```
<EditText
    android:id="@+id/getpass"
    android:layout_width="247dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="26dp"
    android:layout_marginBottom="505dp"
    android:ems="10"
    android:hint="Password"
    android:inputType="text" />
```

```
<EditText
    android:id="@+id/getCnfPass"
    android:layout_width="247dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="20dp"
    android:layout_marginBottom="432dp"
    android:ems="10"
    android:hint="Password"
    android:inputType="text" />
```

```
<Button
    android:id="@+id/submit"
    android:layout_width="144dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="226dp"
    android:layout_marginBottom="165dp"
    android:text="SUBMIT" />
```

```

<ImageView
    android:id="@+id/imageView"
    android:layout_width="154dp"
    android:layout_height="153dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="69dp"
    android:onClick="selectTime"
    android:layout_marginBottom="255dp"
    app:srcCompat="@drawable/calendar" />

<Button
    android:id="@+id/nextPage"
    android:layout_width="152dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="41dp"
    android:layout_marginBottom="170dp"
    android:text="Login" />

</RelativeLayout>

```

activity_login_page.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=".loginPage">

    <TextView
        android:id="@+id/textView"
        android:layout_width="208dp"
        android:layout_height="55dp"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="119dp"
        android:layout_marginBottom="645dp"
        android:gravity="center"
        android:text="Login Page"
        android:textSize="30dp"
        android:textStyle="bold" />

    <TextView
        android:layout_width="124dp"
        android:layout_height="41dp"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="281dp"
        android:layout_marginBottom="569dp"

```

```

        android:gravity="center"
        android:text="Username:"
        android:textSize="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.047"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.036" />
<TextView
    android:layout_width="115dp"
    android:layout_height="38dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="286dp"
    android:layout_marginBottom="501dp"
    android:gravity="center"
    android:text="Password"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.047"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.036" />

<EditText
    android:id="@+id/getuserName"
    android:layout_width="240dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="31dp"
    android:layout_marginBottom="568dp"
    android:ems="10"
    android:hint="Username"
    android:inputType="text" />

<EditText
    android:id="@+id/getpass"
    android:layout_width="247dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="26dp"
    android:layout_marginBottom="505dp"
    android:ems="10"
    android:hint="Password"
    android:inputType="text" />

<Button
    android:id="@+id/submit"
    android:layout_width="118dp"
    android:layout_height="60dp"
    android:layout_alignParentEnd="true"

```

```
</RelativeLayout>
```

mainActivity.java

```
package com.example.loginsingnuppage;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog;
import android.app.TimePickerDialog;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.TimePicker;
import android.widget.Toast;

import java.util.ArrayList;
import java.util.Calendar;

public class MainActivity extends AppCompatActivity {
    EditText userName, password, cnfPassword;
    String selectedDate;
    Button result, loginPage;
    ArrayList<String> storeUsers = new ArrayList<>();
    ArrayList<String> storePasswords = new ArrayList<>();
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        userName = findViewById(R.id.getuserName);
        password = findViewById(R.id.getpass);
        cnfPassword = findViewById(R.id.getCnfPass);
        result = findViewById(R.id.submit);
        loginPage = findViewById(R.id.nextPage);

        result.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String user = userName.getText().toString();
                String pass = password.getText().toString();
                String cnfPass = cnfPassword.getText().toString();
                if(!isThere(user)) {
                    if(pass.equals(cnfPass)) {
                        storeUsers.add(user);
                        storePasswords.add(pass);
                        // textView banakr show kr dete ha
                    }
                }
            }
        });
    }
}
```

```

        Toast.makeText(MainActivity.this, "Successfully Registered!",
Toast.LENGTH_LONG).show();
    }
    else {
        Toast.makeText(MainActivity.this, "Passwords Mismatch!",
Toast.LENGTH_LONG).show();
    }
}
else {
    Toast.makeText(MainActivity.this, "User Doesn't Exist",
Toast.LENGTH_LONG).show();
}
// Printing elements to logcat
for (String element : storeUsers) {
    Log.d("ArrayList", element);
}
}
});

loginPage.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(MainActivity.this, loginPage.class);
        intent.putStringArrayListExtra("USER", storeUsers);
        intent.putStringArrayListExtra("PASS", storePasswords);
        startActivity(intent);
    }
});

}
private boolean isThere(String user) {
    for(String val : storeUsers) {
        if(user.equals(val))
            return true;
    }
    return false;
}

public void selectTime(View v) {
    Calendar c = Calendar.getInstance();
    int pMonth = c.get(Calendar.MONTH);
    int pYear = c.get(Calendar.YEAR);
    int pDate = c.get(Calendar.DATE);
    DatePickerDialog dialog = new DatePickerDialog(this,
android.R.style.Theme_DeviceDefault_DialogWhenLarge,
        new DatePickerDialog.OnDateSetListener() {
            @Override
            public void onDateSet(DatePicker datePicker, int year, int month,
int dayOfMonth) {
                selectedDate = dayOfMonth + "/" + (month + 1) + "/" + year;
            }
        }, pMonth, pYear, pDate);
    dialog.show();
}
}
}

```

loginPage.java

```
package com.example.loginsingnuppage;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class loginPage extends AppCompatActivity {
    EditText nameInput, passInput;
    Button submit;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login_page);
        nameInput = findViewById(R.id.getuserName);
        passInput = findViewById(R.id.getpass);
        submit = findViewById(R.id.submit);

        submit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String userName = nameInput.getText().toString();
                String password = passInput.getText().toString();
                Intent intent = getIntent();
                ArrayList<String> storeUsers = intent.getStringArrayListExtra("USER");
                ArrayList<String> storePass = intent.getStringArrayListExtra("PASS");
                // if(checkUser(userName) && checkPass(password)) {
                //     Toast.makeText(loginPage.this, "Successfully Logged IN!",
                Toast.LENGTH_LONG).show();
                // }
                // else {
                //     Toast.makeText(loginPage.this, "Check Credentials!",
                Toast.LENGTH_LONG).show();
                // }
                // Printing elements to logcat
                for (String element : storeUsers) {
                    Log.d("ArrayList", element);
                }
                int flag1 = 0;
                int flag2 = 0;
                for(String val : storeUsers) {
                    if(val.equals(userName)){
                        flag1 = 1;
                    }
                }
            }
        });
    }
}
```



```

        break;
    }
}
for(String val : storePass) {
    if(val.equals(password)){
        flag2 = 1;
        break;
    }
}
if(flag1 == flag2) {
    Toast.makeText(loginPage.this, "Successfully Logged IN!",
Toast.LENGTH_LONG).show();
}
else {
    Toast.makeText(loginPage.this, "Not Registered",
Toast.LENGTH_LONG).show();
}
}
});
}
private boolean checkUser(String userName) {
    Intent intent = getIntent();
    ArrayList<String> storeUsers = intent.getStringArrayListExtra("USER");
    for(String vals : storeUsers) {
        if(vals.equals(userName))
            return true;
    }
    return false;
}
private boolean checkPass(String password) {
    Intent intent = getIntent();
    ArrayList<String> storePass = intent.getStringArrayListExtra("PASS");
    for(String vals : storePass) {
        if(vals.equals(password))
            return true;
    }
    return false;
}
}
}

```