

LAB4:

Activity_main.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"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/editTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="44dp"
        android:ems="10"
        android:hint="Name"
        android:inputType="textPersonName"
        android:text=""
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/editTextPassword"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:ems="10"
        android:hint="Password"
        android:inputType="textPassword"
        app:layout_constraintEnd_toEndOf="@+id/editTextPersonName"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="@+id/editTextPersonName"
        app:layout_constraintTop_toBottomOf="@+id/editTextPersonName" />

    <EditText
        android:id="@+id/editTextPassword2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="28dp"
        android:ems="10"
        android:hint="Retype Password"
        android:inputType="textPassword"
        app:layout_constraintEnd_toEndOf="@+id/editTextPassword"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="@+id/editTextPassword"
        app:layout_constraintTop_toBottomOf="@+id/editTextPassword" />
```

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<RadioGroup
    android:id="@+id/radioGroup"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:paddingTop="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/editTextPassword2">

    <RadioButton
        android:id="@+id/BtnMale"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Male" />

    <RadioButton
        android:id="@+id/BtnFemale"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Female" />

    <RadioButton
        android:id="@+id/BtnOther"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Other" />
</RadioGroup>

<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="264dp"
    android:text="Gender"
    android:textStyle="bold"
    app:layout_constraintEnd_toStartOf="@+id/radioGroup"
    app:layout_constraintHorizontal_bias="0.363"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<Spinner
    android:id="@+id/spinner"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="64dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/radioGroup" />

<TextView
    android:id="@+id/Subject"

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        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="84dp"
        android:text="Subject"
        android:textStyle="bold"
        app:flow_horizontalAlign="start"
        app:layout_constraintEnd_toStartOf="@+id/spinner"
        app:layout_constraintHorizontal_bias="0.496"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="48dp"
    android:text="Register"
    app:layout_constraintEnd_toEndOf="@+id/spinner"
    app:layout_constraintStart_toStartOf="@+id/spinner"
    app:layout_constraintTop_toBottomOf="@+id/spinner" />

<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="36dp"
    android:text="Sign In"
    app:layout_constraintEnd_toEndOf="@+id/button"
    app:layout_constraintStart_toStartOf="@+id/button"
    app:layout_constraintTop_toBottomOf="@+id/button" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

Activity_show.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"
    tools:context=".ShowActivity">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="48dp"
        android:text="TextView"
    >

```

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        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="40dp"
    android:text="TextView"
    app:layout_constraintEnd_toEndOf="@+id/textView2"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@+id/textView2"
    app:layout_constraintTop_toBottomOf="@+id/textView2" />

<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="32dp"
    android:text="TextView"
    app:layout_constraintEnd_toEndOf="@+id/textView3"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@+id/textView3"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />

<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="32dp"
    android:text="TextView"
    app:layout_constraintEnd_toEndOf="@+id/textView4"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@+id/textView4"
    app:layout_constraintTop_toBottomOf="@+id/textView4" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

Mainactivity.java

```

package com.example.lab4_test2;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;

```

```

import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Spinner;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        EditText name = findViewById(R.id.editTextPersonName);
        EditText pass=findViewById(R.id.editTextPassword);
        EditText repass=findViewById(R.id.editTextPassword2);
        RadioGroup rgend=findViewById(R.id.radioGroup);
        Spinner subject=findViewById(R.id.spinner);
        Button register=findViewById(R.id.button);
        Intent intent = new Intent(MainActivity.this, ShowActivity.class);

        rgend.setOnCheckedChangeListener(new
RadioGroup.OnCheckedChangeListener() {
            @Override
            public void onCheckedChanged(RadioGroup radioGroup, int i) {
                int selid=radioGroup.getCheckedRadioButtonId();
                RadioButton radioButton = findViewById(selid);
                intent.putExtra("Gend", radioButton.getText().toString());
            }
        });

        ArrayList<String> subjects=new ArrayList<>();
        subjects.add("Engineering");
        subjects.add("Add");

        ArrayAdapter<String> sbada= new ArrayAdapter<>(MainActivity.this,
androidx.appcompat.R.layout.support_simple_spinner_dropdown_item, subjects)
;
        subject.setAdapter(sbada);

        subject.setOnItemClickListener(new
AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> adapterView, View
view, int i, long l) {
                intent.putExtra("sub", subjects.get(i));
            }

            @Override
            public void onNothingSelected(AdapterView<?> adapterView) {

            }
        });
    }
}

```

```

        register.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                intent.putExtra("name", name.getText().toString());
                startActivity(intent);
            }
        });
    }
}

```

showactivity.java

```

package com.example.lab4_test2;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.TextView;

public class ShowActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_show);
        TextView name=findViewById(R.id.textView2);
        TextView sub=findViewById(R.id.textView3);
        TextView gend=findViewById(R.id.textView4);
        Bundle extras=getIntent().getExtras();
        if(extras != null)
        {
            name.setText(extras.getString("name"));
            sub.setText(extras.getString("sub"));
            gend.setText(extras.getString("Gend"));
        }
    }
}

```