

EXERCISE 4

STUDENT ONLINE APPLICATION SYSTEM

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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">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="38dp"
        android:layout_marginTop="40dp"
        android:text="Enter your Name:"
        android:textAlignment="center"
        android:textColor="#9C27B0"
        android:textSize="16sp"
        android:textStyle="bold"
        app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="5dp"
        android:layout_marginBottom="28dp"
        android:ems="10"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toTopOf="@+id/textView2"
        app:layout_constraintStart_toStartOf="@+id/textView2" />

    <EditText
        android:id="@+id/editTextTextPersonName2"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="27dp"
android:layout_marginBottom="41dp"
android:ems="10"
android:inputType="textPersonName"
app:layout_constraintBottom_toTopOf="@+id/textView3"
app:layout_constraintStart_toStartOf="@+id/textView3" />
```

<TextView

```
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="1dp"
android:layout_marginBottom="33dp"
android:text="Enter your registration number:"
android:textAlignment="center"
android:textColor="#9C27B0"
android:textSize="16sp"
android:textStyle="bold"
app:layout_constraintBottom_toTopOf="@+id/editTextTextPersonName2"
app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName2" />
```

<TextView

```
android:id="@+id/textView3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="311dp"
android:text="Select your course for the current semester:"
android:textAlignment="center"
android:textColor="#9C27B0"
android:textSize="14sp"
android:textStyle="bold"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<CheckBox

```
android:id="@+id/checkBox"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="33dp"
android:layout_marginTop="35dp"
android:text="MAD"
app:layout_constraintStart_toStartOf="@+id/textView3"
app:layout_constraintTop_toBottomOf="@+id/textView3" />
```

<CheckBox

```
android:id="@+id/checkBox2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="22dp"
android:text="NETWORK PROGRAMMING"
app:layout_constraintStart_toStartOf="@+id/checkBox"
app:layout_constraintTop_toBottomOf="@+id/checkBox" />
```

<CheckBox

```
android:id="@+id/checkBox3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="26dp"
android:text="CYBER SECURITY"
app:layout_constraintStart_toStartOf="@+id/checkBox2"
app:layout_constraintTop_toBottomOf="@+id/checkBox2" />
```

<Button

```
android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="41dp"
android:layout_marginEnd="3dp"
android:backgroundTint="#9C27B0"
android:text="PREVIEW"
android:textSize="14sp"
app:layout_constraintEnd_toEndOf="@+id/checkBox3"
app:layout_constraintTop_toBottomOf="@+id/checkBox3" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

MAIN ACTIVITY.JAVA:

```
package com.example.assignment_2710;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    CheckBox c1,c2,c3;
    Button b;
    EditText e1,e2;
```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    listenerCheckBox();
    displayCheckBox();
}

public void listenerCheckBox(){
    e1=(EditText)findViewById(R.id.editTextTextPersonName);
    e2=(EditText)findViewById(R.id.editTextTextPersonName2);

    c1=(CheckBox)findViewById(R.id.checkBox);
    c1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if(((CheckBox)v).isChecked()){
                Toast.makeText(MainActivity.this,"MAD checkbox is
clicked",Toast.LENGTH_LONG).show();
            }
        }
    });
    c2=(CheckBox)findViewById(R.id.checkBox2);
    c2.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if(((CheckBox)v).isChecked()){
                Toast.makeText(MainActivity.this,"NETWORK PROGRAMMING checkbox is
clicked",Toast.LENGTH_LONG).show();
            }
        }
    });
    c3=(CheckBox)findViewById(R.id.checkBox3);
    c3.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if(((CheckBox)v).isChecked()){
                Toast.makeText(MainActivity.this,"CYBERSECURITY checkbox is
clicked",Toast.LENGTH_LONG).show();
            }
        }
    });
}

public void displayCheckBox()
{
    c1=(CheckBox)findViewById(R.id.checkBox);
    c2=(CheckBox)findViewById(R.id.checkBox2);
    c3=(CheckBox)findViewById(R.id.checkBox3);
    b=(Button)findViewById(R.id.button);
}

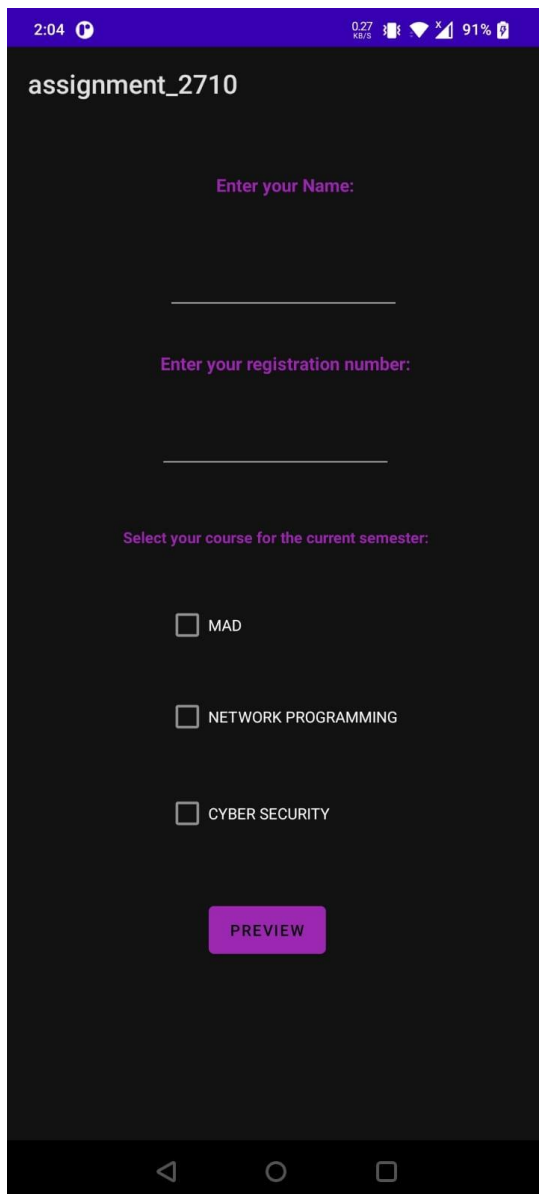
```

```

b.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        StringBuffer select=new StringBuffer();
        select.append(e1.getText().toString()).append(" ").append(e2.getText().toString());
        select.append("MAD: ").append(c1.isChecked());
        select.append("NETWORK PROGRAMMING: ").append(c2.isChecked());
        select.append("CYBER SECURITY: ").append(c3.isChecked());
        Toast.makeText(MainActivity.this,select.toString(),Toast.LENGTH_LONG).show();
    }
});
}
}

```

OUTPUT:



2:04

0.47 KB/s

91%

assignment_2710

Enter your Name:

Sirisha

Enter your registration number:

19bce7024

Select your course for the current semester:

☒ MAD

☐ NETWORK PROGRAMMING

☐ CYBER SECURITY

PREVIEW

MAD checkbox is clicked

2:04

0.07 KB/s 91%

assignment_2710

Enter your Name:

Sirisha

Enter your registration number:

19bce7024

Select your course for the current semester:



MAD



NETWORK PROGRAMMING



CYBER SECURITY

PREVIEW

Sirisha 19bce7024MAD: trueNETWORK
PROGRAMMING: falseCYBER SECURITY: false