

University of Anbar
College of Computer Science and Information
Technology
Computer Science Department



Mobile Application Programming

Lab Eight Third Stage

First Course 2023 - 2024

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Developing a Questionnaire Application

Xml code

```
<?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"
android:background="@color/purple_200"
tools:context=".MainActivity">
<TextView
android:id="@+id/t1"
android:layout_width="267dp"
android:layout_height="47dp"
android:background="@color/purple_500"
android:gravity="center"
android:text="Questionnaire"
android:textColor="@color/black"
android:textSize="35sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.43"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.16" />
<Button
android:id="@+id/next"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="start"
android:textColor="@color/black"
android:textSize="30sp"
app:iconPadding="10dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.625"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.906" />
</androidx.constraintlayout.widget.ConstraintLayout

<?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"  
android:background="@color/purple_200"  
tools:context=".MainActivity2">  
<TextView  
    android:id="@+id/t4"  
    android:layout_width="430dp"  
    android:layout_height="48dp"  
    android:background="@android:color/darker_gray"  
    android:gravity="center"  
    android:textColor="@color/black"  
    android:textSize="35sp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.195"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.0" />  
<RadioGroup  
    android:id="@+id/radioGroup"  
    android:layout_width="296dp"  
    android:layout_height="123dp"  
    android:background="@android:color/holo_purple"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.0"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.312">  
<RadioButton  
    android:id="@+id/rd"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_margin="10dp"  
    android:text="@string/computer_science"  
    android:textSize="25sp" />  
<RadioButton  
    android:id="@+id/radioButton2"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_margin="10dp"  
    android:text="@string/information_system"
```

```
android:textSize="25sp" />
</RadioGroup>
<CheckBox
android:id="@+id/ch1"
android:layout_width="124dp"
android:layout_height="62dp"
android:background="@android:color/holo_purple"
android:text="@string/first"
android:textColor="@color/black"
android:textSize="20sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.583" />
<CheckBox
android:id="@+id/ch2"
android:layout_width="124dp"
android:layout_height="62dp"
android:background="@android:color/holo_purple"
android:text="@string/second"
android:textColor="@color/black"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.461"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.589" />
<RatingBar
android:id="@+id/ra1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.906"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.876" />
<Button
android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="16dp"
```

```
android:background="@android:color/background_light"
android:text="@string/website"
android:textColor="@color/white"
android:textSize="25sp"
app:iconPadding="10dp"
app:iconTint="@color/purple_500"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.896"
app:layout_constraintStart_toStartOf="parent" />
<TextView
android:id="@+id/textView"
android:layout_width="197dp"
android:layout_height="51dp"
android:layout_margin="10dp"
android:layout_marginEnd="10dp"
android:background="@android:color/darker_gray"
android:gravity="center"
android:text="@string/stage"
android:textColor="@color/black"
android:textSize="35sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.476" />
<TextView
android:id="@+id/textView2"
android:layout_width="378dp"
android:layout_height="49dp"
android:background="@android:color/darker_gray"
android:text="@string/favorite_programming_language"
android:textColor="@color/black"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.681" />
<CheckBox
android:id="@+id/c"
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:background="@android:color/holo_purple"
android:text="@string/c"
android:textColor="@color/black"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.78" />
<CheckBox
android:id="@+id/j"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:background="@android:color/holo_purple"
android:text="@string/java"
android:textColor="@color/black"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.3"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.78" />
<TextView
android:id="@+id/textView3"
android:layout_width="256dp"
android:layout_height="44dp"
android:background="@android:color/darker_gray"
android:text="@string/department"
android:textColor="@color/black"
android:textSize="35sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.045"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.186" />
<TextView
android:id="@+id/name2"
android:layout_width="143dp"
android:layout_height="47dp"
android:background="@android:color/darker_gray"
```

```
android:gravity="center"
android:inputType="text"
android:text="@string/name"
android:textColor="@color/black"
android:textSize="30sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.106" />
<EditText
android:id="@+id/enter"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:autoFillHints=""
android:ems="10"
android:inputType="textPersonName"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.835"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.094" />
</androidx.constraintlayout.widget.ConstraintLayout
```

Code java

```
package com.example.myapplication;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        TextView t=findViewById(R.id.t1);
        Button n=findViewById(R.id.next);
        n.setOnClickListener(new View.OnClickListener()
        {
            @Override
            public void onClick(View view) {
                Intent intent=new
                Intent(MainActivity.this,MainActivity2.class);

                intent.putExtra("Questionnaire","Questionnaire
                student");
                startActivity(intent);
```

```
}  
});  
}  
}
```

```
package com.example.myapplication;  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.CompoundButton;  
import android.widget.RadioButton;  
import android.widget.RatingBar;  
import android.widget.TextView;  
public class MainActivity2 extends AppCompatActivity {  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main2);  
        TextView t3=findViewById(R.id.t4);  
        Intent m=getIntent();  
        String n=m.getStringExtra("Questionnaire");  
        t3.setText(n);  
        RadioButton r=findViewById(R.id.rd);  
        r.setOnCheckedChangeListener(new  
        CompoundButton.OnCheckedChangeListener() {  
            @Override  
            public void onCheckedChanged(CompoundButton  
            compoundButton, boolean b) {  
            }  
        });  
        CheckBox c1=findViewById(R.id.ch1);  
        CheckBox c2=findViewById(R.id.ch2);  
        c1.setOnCheckedChangeListener(new  
        CompoundButton.OnCheckedChangeListener() {  
            @Override  
            public void onCheckedChanged(CompoundButton  
            compoundButton, boolean b) {  
            }  
        });  
        c2.setOnCheckedChangeListener(new  
        CompoundButton.OnCheckedChangeListener() {  
            @Override  
            public void onCheckedChanged(CompoundButton  
            compoundButton, boolean b) {  
            }  
        });  
        CheckBox c=findViewById(R.id.c);  
        CheckBox j=findViewById(R.id.j);  
        c.setOnCheckedChangeListener(new  
        CompoundButton.OnCheckedChangeListener() {  
            @Override
```

```
public void onCheckedChanged(CompoundButton
compoundButton, boolean b) {
}
});
j.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {
@Override
public void onCheckedChanged(CompoundButton
compoundButton, boolean b) {
}
});
RatingBar ra=findViewById(R.id.ra1);
ra.setOnRatingBarChangeListener(new
RatingBar.OnRatingBarChangeListener() {
@Override
public void onRatingChanged(RatingBar
ratingBar, float v, boolean b) {
}
});
Button web=findViewById(R.id.button);
web.setOnClickListener(new
View.OnClickListener() {
@Override
public void onClick(View view) {
Intent intent=new
Intent(Intent.ACTION_VIEW,
Uri.parse("https://developer.android.com/"));
startActivity(intent);
}
});
}
```