

Experiment – 2.2

Student Name: Manish Singh Barolia UID: 21BCS5712

Branch: BE-CSE-IT Section/Group: NTPP_601-A
Semester: 6th Date of Performance: 29/02/2024

Subject Name: MAD Lab Subject Code: 21CSH-355

Aim: Create an Android App using various controls such TexEdit, CheckBox,

RadioButton, RadioGroup, etc.

Objective:- The objective of an Android app using various controls such as EditText, CheckBox.

RadioButton, and RadioGroup could be to create a user interface that involves user input, selection, and interaction with different types of controls. This type of app aims to showcase the usage and functionalities of these UI elements to enhance the user experience.

CODE: XML:-

```
app:layout constraintStart toStartOf="parent"
app:layout constraintTop toTopOf="parent"
app:layout constraintVertical bias="0.617" />
  <EditText
android:id="@+id/editTextExample"
android:layout width="match parent"
android:layout height="wrap content"
android:hint="Enter text"
tools:layout editor absoluteX="0dp"
tools:layout_editor_absoluteY="67dp" />
  <ImageView
android:id="@+id/imageViewExample"
android:layout width="wrap content"
android:layout_height="wrap_content"
android:src="@drawable/ic_launcher_foreground" />
<CheckBox
  android:id="@+id/checkBoxExample"
android:layout width="wrap content"
android:layout height="wrap content"
android:text="Check me" />
<Spinner
android:id="@+id/spinnerExample"
android:layout width="match parent"
  android:layout height="wrap content"/>
<ProgressBar
android:id="@+id/progressBarExample"
style="?android:attr/progressBarStyleHorizontal"
android:layout_width="match_parent"
android:layout height="wrap content"
  android:progress="50" />
<Switch
android:id="@+id/switchExample2"
android:layout width="wrap content"
android:layout height="wrap content"
```

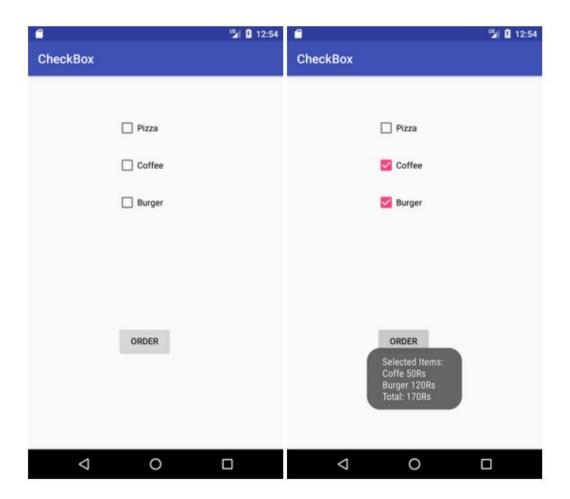
```
android:text="Switch me" />
   <ToggleButton
     android:id="@+id/toggleButtonExample"
   android:layout_width="wrap_content"
   android:layout_height="wrap_content"
   android:textOn="ON"
   android:textOff="OFF" />
   < AutoCompleteTextView
   android:id="@+id/autoCompleteTextViewE
   xample"
   android:layout_width="match_parent"
   android:layout_height="wrap_content"
     android:hint="Type here" />
   </androidx.constraintlayout.widget.ConstraintLayout>
   Java Code:-
import
android.support.v7.app.AppCompatActivity;
import android.os.Bundle; import
android.view.View; import
android.widget.CheckBox; import
android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  CheckBox ch, ch1, ch2, ch3;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
    ch=(CheckBox)findViewById(R.id.checkBox);
    ch1=(CheckBox)findViewById(R.id.checkBox2);
    ch2=(CheckBox)findViewById(R.id.checkBox3);
    ch3=(CheckBox)findViewById(R.id.checkBox4);
```

```
public void Check(View v)
  {
    String msg="";
    if(ch.isChecked())
      msg = msg + " Painting ";
    if(ch1.isChecked())
      msg = msg + " Reading ";
    if(ch2.isChecked())
      msg = msg + " Singing ";
    if(ch3.isChecked())
      msg = msg + " Cooking ";
    Toast.makeText(this, msg + "are selected",
             Toast.LENGTH LONG).show();
  }
}
```



OUTPUT:







2. Learning Outcomes:

- Successful USE of your Android development environment.
- Project Workspace.
- Configuration button Completion.
- How to add new Intent.