

Código de fuente: Aplicación, diseño de layout

**Lenguaje: XML
IDE: Android Studio**

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent"
7   android:background="@android:color/background_light"
8   tools:context=".MainActivity">
9
10  <ImageButton
11    android:id="@+id/imgBtn_microphone_background"
12    android:layout_width="160dp"
13    android:layout_height="160dp"
14    android:layout_marginStart="8dp"
15    android:layout_marginEnd="8dp"
16    android:background="?attr/selectableItemBackgroundBorderless"
17    android:onClick="onClickListener_microphone"
18    android:scaleType="fitXY"
19    app:layout_constraintBottom_toBottomOf="parent"
20    app:layout_constraintEnd_toEndOf="parent"
21    app:layout_constraintStart_toStartOf="parent"
22    app:layout_constraintTop_toTopOf="parent"
23    android:tint="@color/ColorBackMicKeyword"
24    app:srcCompat="@drawable/ic_main_mic_circle"
25    android:stateListAnimator="@null"/>
26
27  <ImageButton
28    android:id="@+id/imgBtn_microphone"
29    android:layout_width="115dp"
30    android:layout_height="115dp"
31    android:layout_marginStart="8dp"
32    android:layout_marginEnd="8dp"
33    android:background="?attr/selectableItemBackgroundBorderless"
34    android:onClick="onClickListener_microphone"
35    android:scaleType="fitXY"
36    android:stateListAnimator="@null"
37    android:tint="@color/ColorMic"
38    app:layout_constraintBottom_toBottomOf="parent"
39    app:layout_constraintEnd_toEndOf="parent"
40    app:layout_constraintStart_toStartOf="parent"
41    app:layout_constraintTop_toTopOf="parent"
42    app:layout_constraintVertical_bias="0.501"
43    app:srcCompat="@drawable/ic_main_mic_listening" />
44
45  <ImageButton
46    android:id="@+id/imgBtn_commands"
47    android:layout_width="55dp"
48    android:layout_height="55dp"
49    android:layout_marginStart="284dp"
50    android:alpha="0.0"
51    android:background="?attr/selectableItemBackgroundBorderless"
52    android:onClick="onClickListener_commands"
53    android:scaleType="fitXY"
54    android:visibility="gone"
55    app:layout_constraintBottom_toBottomOf="parent"
56    app:layout_constraintStart_toStartOf="parent"
57    app:layout_constraintTop_toTopOf="parent"
58    app:srcCompat="@drawable/ic_commands_menu" />
59
60  <ImageButton
61    android:id="@+id/imgBtn_contacts"
62    android:layout_width="55dp"
63    android:layout_height="55dp"
64    android:layout_marginStart="283dp"
65    android:alpha="0.0"
66    android:background="?attr/selectableItemBackgroundBorderless"
67    android:onClick="onClickListener_contacts"
68    android:scaleType="fitXY"
69    android:visibility="gone"
70    app:layout_constraintBottom_toBottomOf="parent"
71    app:layout_constraintStart_toStartOf="parent"
72    app:layout_constraintTop_toTopOf="parent"
73    app:srcCompat="@drawable/ic_contacts_menu" />
74
75  <ImageButton
76    android:id="@+id/imgBtn_bluetooth"
```

```
77     android:layout_width="55dp"
78     android:layout_height="55dp"
79     android:layout_marginStart="283dp"
80     android:alpha="0.0"
81     android:background="?attr/selectableItemBackgroundBorderless"
82     android:onClick="onClickListener_bluetooth"
83     android:scaleType="fitXY"
84     android:visibility="gone"
85     app:layout_constraintBottom_toBottomOf="parent"
86     app:layout_constraintStart_toStartOf="parent"
87     app:layout_constraintTop_toTopOf="parent"
88     app:srcCompat="@drawable/ic_icono_bluetooth_remake" />
89
90 <ImageButton
91     android:id="@+id/imgBtn_settings"
92     android:layout_width="55dp"
93     android:layout_height="55dp"
94     android:layout_marginStart="283dp"
95     android:alpha="0.0"
96     android:background="?attr/selectableItemBackgroundBorderless"
97     android:onClick="onClickListener_settings"
98     android:scaleType="fitXY"
99     android:visibility="gone"
100    app:layout_constraintBottom_toBottomOf="parent"
101    app:layout_constraintStart_toStartOf="parent"
102    app:layout_constraintTop_toTopOf="parent"
103    app:srcCompat="@drawable/ic_settings_menu" />
104
105 <ImageButton
106     android:id="@+id/imgBtn_menu"
107     android:layout_width="55dp"
108     android:layout_height="55dp"
109     android:layout_marginStart="8dp"
110     android:layout_marginEnd="8dp"
111     android:background="?attr/selectableItemBackgroundBorderless"
112     android:onClick="onClickListener_menu"
113     android:scaleType="fitXY"
114     app:layout_constraintBottom_toBottomOf="parent"
115     app:layout_constraintEnd_toEndOf="parent"
116     app:layout_constraintStart_toEndOf="@+id/imgBtn_microphone_background"
117     app:layout_constraintTop_toTopOf="parent"
118     app:srcCompat="@drawable/ic_bluetooth_menu" />
119
120 <TextView
121     android:id="@+id/textView_speechRecognitionResults"
122     style="@style/hypothesisTextAppearance"
123     android:layout_width="311dp"
124     android:layout_height="101dp"
125     android:layout_marginStart="8dp"
126     android:layout_marginTop="8dp"
127     android:layout_marginEnd="8dp"
128     android:layout_marginBottom="8dp"
129     android:fontFamily="@font/roboto_bold"
130     android:text="Lorem ipsum dolor sit amet, consectetur\nNulla lobortis ac arcu vitae aliquam.\nCras feugiat, est quis volutpat interdum\nholo comere te va picante\nholo pepe aguante boquita"
131     android:textAlignment="center"
132     android:visibility="gone"
133     app:layout_constraintBottom_toBottomOf="parent"
134     app:layout_constraintEnd_toEndOf="parent"
135     app:layout_constraintStart_toStartOf="parent"
136     app:layout_constraintTop_toTopOf="parent"
137     app:layout_constraintVertical_bias="0.931" />
138
139 </android.support.constraint.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android
  "
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent">
7
8   <android.support.v7.widget.Toolbar
9     android:id="@+id/toolbar"
10    android:layout_width="0dp"
11    android:layout_height="57dp"
12    android:background="@color/toolBarColor"
13    android:minHeight="?attr/actionBarSize"
14    android:outlineAmbientShadowColor="@android:color/background_light"
15    android:outlineSpotShadowColor="@android:color/background_light"
16    android:theme="?attr actionBarTheme"
17    app:layout_constraintEnd_toEndOf="parent"
18    app:layout_constraintHorizontal_bias="0.0"
19    app:layout_constraintStart_toStartOf="parent"
20    app:layout_constraintTop_toTopOf="parent"
21    app:subtitleTextColor="@android:color/background_light"
22    app:title="@string/appearance_miscellaneous_title"
23    app:titleTextColor="@color/colorPrimary"
24    app:titleTextAppearance="@style/toolBarTextAppearance"/>
25
26
27
28 </android.support.constraint.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3   "
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     android:clipToPadding="false">
9
9   <android.support.v7.widget.Toolbar
10    android:id="@+id/toolbar"
11    android:layout_width="0dp"
12    android:layout_height="57dp"
13    android:background="@color/toolBarColor"
14    android:minHeight="?attr/actionBarSize"
15    android:outlineAmbientShadowColor="@android:color/background_light"
16    android:outlineSpotShadowColor="@android:color/background_light"
17    android:theme="?attr actionBarTheme"
18    app:layout_constraintEnd_toEndOf="parent"
19    app:layout_constraintHorizontal_bias="0.0"
20    app:layout_constraintStart_toStartOf="parent"
21    app:layout_constraintTop_toTopOf="parent"
22    app:subtitleTextColor="@android:color/background_light"
23    app:title="@string/bluetooth_activity_title"
24    app:titleTextAppearance="@style/toolBarTextAppearance"
25    app:titleTextColor="@color/colorPrimary" />
26
27   <ImageView
28     android:id="@+id/imageView"
29     android:layout_width="0dp"
30     android:layout_height="418dp"
31     android:layout_marginBottom="8dp"
32     android:scaleType="fitXY"
33     app:layout_constraintBottom_toBottomOf="@+id/guideline4"
34     app:layout_constraintEnd_toEndOf="@+id/guideline2"
35     app:layout_constraintHorizontal_bias="0.0"
36     app:layout_constraintStart_toStartOf="@+id/guideline"
37     app:layout_constraintTop_toBottomOf="@+id/guideline3"
38     app:layout_constraintVertical_bias="0.012"
39     app:srcCompat="@drawable/bt_dialog" />
40
41
42   <ImageView
43     android:id="@+id/imgView_bluetoothConfig"
44     android:layout_width="320dp"
45     android:layout_height="78dp"
46     android:layout_marginBottom="24dp"
47     android:scaleType="fitXY"
48     app:layout_constraintBottom_toBottomOf="parent"
49     app:layout_constraintEnd_toEndOf="parent"
50     app:layout_constraintStart_toStartOf="parent"
51     app:layout_constraintTop_toBottomOf="@+id/imgView_bluetoothStatus"
52     app:layout_constraintVertical_bias="0.88"
53     app:srcCompat="@drawable/bt_button" />
54
55   <ImageView
56     android:id="@+id/imgView_bluetoothStatus"
57     android:layout_width="320dp"
58     android:layout_height="78dp"
59     android:scaleType="fitXY"
60     app:layout_constraintBottom_toBottomOf="parent"
61     app:layout_constraintEnd_toEndOf="parent"
62     app:layout_constraintHorizontal_bias="0.493"
63     app:layout_constraintStart_toStartOf="parent"
64     app:layout_constraintTop_toBottomOf="@+id/imageView"
65     app:layout_constraintVertical_bias="0.01"
66     app:srcCompat="@drawable/bt_button" />
67
68   <TextView
69     android:id="@+id/textView_btSearch"
70     android:layout_width="215dp"
71     android:layout_height="wrap_content"
72     android:text="@string/bluetooth_search_message"
73     android:textAlignment="center"
74     android:maxLines="1"
75     android:textAppearance="@style/btButtonTextAppearance"
76     app:layout_constraintBottom_toBottomOf="@+id/imgView_bluetoothConfig"
```

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77      app:layout_constraintEnd_toEndOf="@+id/imgView_bluetoothConfig"
78      app:layout_constraintHorizontal_bias="0.27"
79      app:layout_constraintStart_toStartOf="@+id/imgView_bluetoothConfig"
80      app:layout_constraintTop_toTopOf="@+id/imgView_bluetoothConfig"
81      app:layout_constraintVertical_bias="0.4" />
82
83  <TextView
84      android:id="@+id/textView_btStatus"
85      android:layout_width="215dp"
86      android:layout_height="wrap_content"
87      android:maxLines="1"
88      android:textAlignment="center"
89      android:text="@string/system_disconnected_message"
90      android:textAppearance="@style/btButtonTextAppearance"
91      android:textColor="@android:color/background_light"
92      app:layout_constraintBottom_toBottomOf="@+id/imgView_bluetoothStatus"
93      app:layout_constraintEnd_toEndOf="@+id/imgView_bluetoothStatus"
94      app:layout_constraintHorizontal_bias="0.26"
95      app:layout_constraintStart_toStartOf="@+id/imgView_bluetoothStatus"
96      app:layout_constraintTop_toTopOf="@+id/imgView_bluetoothStatus"
97      app:layout_constraintVertical_bias="0.422" />
98
99  <TextView
100     android:id="@+id/textView_btDialog"
101     android:layout_width="wrap_content"
102     android:layout_height="wrap_content"
103     android:text="Dispositivos disponibles"
104     android:textAppearance="@style/btDialogTextAppearance"
105     app:layout_constraintBottom_toBottomOf="@+id/imageView"
106     app:layout_constraintEnd_toEndOf="@+id/imageView"
107     app:layout_constraintHorizontal_bias="0.5"
108     app:layout_constraintStart_toStartOf="@+id/imageView"
109     app:layout_constraintTop_toTopOf="@+id/imageView"
110     app:layout_constraintVertical_bias="0.040" />
111
112 <ImageButton
113     android:id="@+id/imgBtn_btConfig"
114     android:layout_width="30dp"
115     android:layout_height="30dp"
116     android:background="?attr/selectableItemBackground"
117     android:onClick="configBtn_onClick"
118     android:scaleType="fitXY"
119     android:tint="@color/colorPrimary"
120     app:layout_constraintBottom_toTopOf="@+id/imageView"
121     app:layout_constraintEnd_toEndOf="@+id/toolbar"
122     app:layout_constraintHorizontal_bias="0.94"
123     app:layout_constraintStart_toStartOf="@+id/toolbar"
124     app:layout_constraintTop_toTopOf="@+id/toolbar"
125     app:layout_constraintVertical_bias="0.5"
126     app:srcCompat="@drawable/ic_config_icon" />
127
128 <ImageView
129     android:id="@+id/imgView_btStatusIcon"
130     android:layout_width="35dp"
131     android:layout_height="35dp"
132     android:layout_marginBottom="8dp"
133     android:scaleType="fitXY"
134     android:tint="@android:color/background_light"
135     app:layout_constraintBottom_toBottomOf="@+id/imgView_bluetoothStatus"
136     app:layout_constraintEnd_toEndOf="@+id/imgView_bluetoothStatus"
137     app:layout_constraintHorizontal_bias="0.934"
138     app:layout_constraintStart_toStartOf="@+id/imgView_bluetoothStatus"
139     app:layout_constraintTop_toTopOf="@+id/imgView_bluetoothStatus"
140     app:srcCompat="@drawable/ic_close_icon"
141
142     />
143
144 <android.support.v7.widget.RecyclerView
145     android:id="@+id/deviceListRecyclerView"
146     android:layout_width="0dp"
147     android:layout_height="0dp"
148     android:clipToPadding="false"
149     android:scrollbarStyle="outsideOverlay"
150     app:layout_constraintBottom_toBottomOf="@+id/bluetoothList_BottomGuideLine"
151     app:layout_constraintEnd_toEndOf="@+id/bluetoothList_EndGuideLine"
152     app:layout_constraintStart_toStartOf="@+id/bluetoothList_StartGuideLine"
153     app:layout_constraintTop_toTopOf="@+id/bluetoothList_TopGuideLine"

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154      />
155
156      <ImageView
157          android:id="@+id/imgView_btDiscovery"
158          android:layout_width="30dp"
159          android:layout_height="30dp"
160          android:scaleType="fitXY"
161          android:tint="@android:color/background_light"
162          app:layout_constraintBottom_toBottomOf="@+id/imgView_bluetoothConfig"
163          app:layout_constraintEnd_toEndOf="@+id/imgView_bluetoothConfig"
164          app:layout_constraintHorizontal_bias="0.925"
165          app:layout_constraintStart_toStartOf="@+id/imgView_bluetoothConfig"
166          app:layout_constraintTop_toTopOf="@+id/imgView_bluetoothConfig"
167          app:layout_constraintVertical_bias="0.42"
168          app:srcCompat="@drawable/ic_bluetooth_searching" />
169
170      <ProgressBar
171          android:id="@+id/loading_progressBar"
172          style="?android:attr/progressBarStyle"
173          android:layout_width="26dp"
174          android:layout_height="26dp"
175          android:scaleType="fitXY"
176
177          android:visibility="gone"
178          app:layout_constraintBottom_toBottomOf="@+id/imgView_bluetoothStatus"
179
180          app:layout_constraintEnd_toEndOf="@+id/imgView_bluetoothStatus"
181          app:layout_constraintHorizontal_bias="0.919"
182          app:layout_constraintStart_toStartOf="@+id/imgView_bluetoothStatus"
183          app:layout_constraintTop_toTopOf="@+id/imgView_bluetoothStatus"
184          app:layout_constraintVertical_bias="0.43" />
185
186      <android.support.constraint.Guideline
187          android:id="@+id/guideline"
188          android:layout_width="wrap_content"
189          android:layout_height="wrap_content"
190          android:orientation="vertical"
191          app:layout_constraintGuide_percent="0.02" />
192
193      <android.support.constraint.Guideline
194          android:id="@+id/bluetoothList_StartGuideLine"
195          android:layout_width="wrap_content"
196          android:layout_height="wrap_content"
197          android:orientation="vertical"
198          app:layout_constraintGuide_percent="0.12" />
199
200      <android.support.constraint.Guideline
201          android:id="@+id/bluetoothList_EndGuideLine"
202          android:layout_width="wrap_content"
203          android:layout_height="wrap_content"
204          android:orientation="vertical"
205          app:layout_constraintGuide_percent="0.88" />
206
207      <android.support.constraint.Guideline
208          android:id="@+id/guideline2"
209          android:layout_width="wrap_content"
210          android:layout_height="wrap_content"
211          android:orientation="vertical"
212          app:layout_constraintGuide_percent="0.98055553" />
213
214      <android.support.constraint.Guideline
215          android:id="@+id/guideline3"
216          android:layout_width="wrap_content"
217          android:layout_height="wrap_content"
218          android:orientation="horizontal"
219          app:layout_constraintGuide_percent="0.1" />
220
221      <android.support.constraint.Guideline
222          android:id="@+id/bluetoothList_TopGuideLine"
223          android:layout_width="wrap_content"
224          android:layout_height="wrap_content"
225          android:orientation="horizontal"
226          app:layout_constraintGuide_percent="0.17" />
227
228      <android.support.constraint.Guideline
229          android:id="@+id/bluetoothList_BottomGuideLine"
230          android:layout_width="wrap_content"

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231     android:layout_height="wrap_content"
232     android:orientation="horizontal"
233     app:layout_constraintGuide_percent="0.688"  />
234
235 <android.support.constraint.Guideline
236     android:id="@+id/guideline4"
237     android:layout_width="wrap_content"
238     android:layout_height="wrap_content"
239     android:orientation="horizontal"
240     app:layout_constraintGuide_percent="0.74"  />
241
242
243 </android.support.constraint.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android
  "
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:id="@+id/relativeLayout"
6   android:layout_width="wrap_content"
7   android:layout_height="wrap_content"
8   android:background="?android:attr/selectableItemBackground"
9   android:clickable="true"
10  android:focusable="true"
11  android:orientation="vertical"
12  android:paddingLeft="8dp"
13  android:paddingTop="8dp"
14  android:paddingRight="8dp"
15  android:paddingBottom="8dp">
16
17  <TextView
18    android:id="@+id/textView_bluetooth_device_name"
19    android:layout_width="wrap_content"
20    android:layout_height="0dp"
21    android:layout_marginStart="8dp"
22    android:layout_marginTop="2dp"
23    android:layout_marginEnd="8dp"
24    android:text="Lorem ipsum dolor"
25    android:textAppearance="@style/btDeviceListAppearance"
26    android:textColor="@color/colorPrimary"
27    app:layout_constraintEnd_toEndOf="parent"
28    app:layout_constraintHorizontal_bias="0.03"
29    app:layout_constraintStart_toStartOf="parent"
30    app:layout_constraintTop_toTopOf="parent"
31    tools:layout_conversion_wrapHeight="56"
32    tools:layout_conversion_wrapWidth="788" />
33
34  <ImageView
35    android:id="@+id/imageView_bluetooth_device_state_icon"
36    android:layout_width="25dp"
37    android:layout_height="25dp"
38    android:layout_marginStart="215dp"
39    android:scaleType="fitXY"
40    android:tint="@color/colorPrimary"
41    app:layout_constraintStart_toStartOf="parent"
42    app:layout_constraintTop_toTopOf="parent"
43    app:srcCompat="@drawable/ic_close_icon" />
44
45 </android.support.constraint.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android
  "
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent">
7
8   <android.support.v7.widget.Toolbar
9     android:id="@+id/toolbar"
10    android:layout_width="0dp"
11    android:layout_height="57dp"
12    android:background="@color/toolBarColor"
13    android:minHeight="?attr/actionBarSize"
14    android:outlineAmbientShadowColor="@android:color/background_light"
15    android:outlineSpotShadowColor="@android:color/background_light"
16    android:theme="?attr actionBarTheme"
17    app:layout_constraintEnd_toEndOf="parent"
18    app:layout_constraintHorizontal_bias="0.0"
19    app:layout_constraintStart_toStartOf="parent"
20    app:layout_constraintTop_toTopOf="parent"
21    app:subtitleTextColor="@android:color/background_light"
22    app:title="@string/bluetooth_settings_title"
23    app:titleTextColor="@color/colorPrimary"
24    app:titleTextAppearance="@style/toolBarTextAppearance"/>
25
26
27
28 </android.support.constraint.ConstraintLayout>
```

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1 <?xml version="1.0" encoding="utf-8"?>
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3   "
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5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent">
8
9   <android.support.v7.widget.Toolbar
10    android:id="@+id/toolbar"
11    android:layout_width="0dp"
12    android:layout_height="57dp"
13    android:background="@color/toolBarColor"
14    app:titleTextColor="@color/colorPrimary"
15    android:minHeight="?attr/actionBarSize"
16    android:outlineAmbientShadowColor="@android:color/background_light"
17    android:outlineSpotShadowColor="@android:color/background_light"
18    android:theme="?attr/actionBarTheme"
19    app:title="@string/commands_activity_title"
20    app:layout_constraintEnd_toEndOf="parent"
21    app:layout_constraintHorizontal_bias="0.0"
22    app:layout_constraintStart_toStartOf="parent"
23    app:layout_constraintTop_toTopOf="parent"
24    app:subtitleTextColor="@android:color/background_light"
25    app:titleTextAppearance="@style/toolBarTextAppearance"/>
26
27
28 </android.support.constraint.ConstraintLayout>
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  "
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4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent">
7
8   <android.support.v7.widget.Toolbar
9     android:id="@+id/toolbar"
10    android:layout_width="0dp"
11    android:layout_height="57dp"
12    android:background="@color/toolBarColor"
13    android:minHeight="?attr/actionBarSize"
14    android:outlineAmbientShadowColor="@android:color/background_light"
15    android:outlineSpotShadowColor="@android:color/background_light"
16    android:theme="?attr actionBarTheme"
17    app:title="@string/commands_settings_title"
18    app:layout_constraintEnd_toEndOf="parent"
19    app:layout_constraintHorizontal_bias="0.0"
20    app:layout_constraintStart_toStartOf="parent"
21    app:layout_constraintTop_toTopOf="parent"
22    app:subtitleTextColor="@android:color/background_light"
23    app:titleTextColor="@color/colorPrimary"
24    app:titleTextAppearance="@style/toolBarTextAppearance"/>
25
26
27
28 </android.support.constraint.ConstraintLayout>
```

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1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android
  "
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent">
7
8   <android.support.v7.widget.Toolbar
9     android:id="@+id/toolbar"
10    android:layout_width="0dp"
11    android:layout_height="57dp"
12    android:background="@color/toolBarColor"
13    android:minHeight="?attr/actionBarSize"
14    android:outlineAmbientShadowColor="@android:color/background_light"
15    android:outlineSpotShadowColor="@android:color/background_light"
16    android:theme="?attr actionBarTheme"
17    app:title="@string/contacts_communication_title"
18    app:layout_constraintEnd_toEndOf="parent"
19    app:layout_constraintHorizontal_bias="0.0"
20    app:layout_constraintStart_toStartOf="parent"
21    app:layout_constraintTop_toTopOf="parent"
22    app:subtitleTextColor="@android:color/background_light"
23    app:titleTextColor="@color/colorPrimary"
24    app:titleTextAppearance="@style/toolBarTextAppearance"/>
25
26
27
28 </android.support.constraint.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3   "
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent">
8
9   <android.support.v7.widget.Toolbar
10    android:id="@+id/toolbar"
11    android:layout_width="0dp"
12    android:layout_height="57dp"
13    android:background="@color/toolBarColor"
14    app:titleTextColor="@color/colorPrimary"
15    android:minHeight="?attr/actionBarSize"
16    android:outlineAmbientShadowColor="@android:color/background_light"
17    android:outlineSpotShadowColor="@android:color/background_light"
18    android:theme="?attr/actionBarTheme"
19    app:title="@string/contacts_activity_title"
20    app:layout_constraintEnd_toEndOf="parent"
21    app:layout_constraintHorizontal_bias="0.0"
22    app:layout_constraintStart_toStartOf="parent"
23    app:layout_constraintTop_toTopOf="parent"
24    app:subtitleTextColor="@android:color/background_light"
25    app:titleTextAppearance="@style/toolBarTextAppearance"/>
26
27
28 </android.support.constraint.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android
  "
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent">
7
8   <android.support.v7.widget.Toolbar
9     android:id="@+id/toolbar"
10    android:layout_width="0dp"
11    android:layout_height="57dp"
12    android:background="@color/toolBarColor"
13    app:titleTextColor="@color/colorPrimary"
14    android:minHeight="?attr/actionBarSize"
15    android:outlineAmbientShadowColor="@android:color/background_light"
16    android:outlineSpotShadowColor="@android:color/background_light"
17    android:theme="?attr/actionBarTheme"
18    app:title="@string/developer_console_activity_title"
19    app:layout_constraintEnd_toEndOf="parent"
20    app:layout_constraintHorizontal_bias="0.0"
21    app:layout_constraintStart_toStartOf="parent"
22    app:layout_constraintTop_toTopOf="parent"
23    app:subtitleTextColor="@android:color/background_light"
24    app:titleTextAppearance="@style/toolBarTextAppearance"/>
25
26
27
28 </android.support.constraint.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android
  "
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent">
7
8   <android.support.v7.widget.Toolbar
9     android:id="@+id/toolbar"
10    android:layout_width="0dp"
11    android:layout_height="57dp"
12    android:background="@color/toolBarColor"
13    android:minHeight="?attr/actionBarSize"
14    android:outlineAmbientShadowColor="@android:color/background_light"
15    android:outlineSpotShadowColor="@android:color/background_light"
16    android:theme="?attr actionBarTheme"
17    app:layout_constraintEnd_toEndOf="parent"
18    app:layout_constraintHorizontal_bias="0.0"
19    app:layout_constraintStart_toStartOf="parent"
20    app:layout_constraintTop_toTopOf="parent"
21    app:subtitleTextColor="@android:color/background_light"
22    app:title="@string/information_help_title"
23    app:titleTextAppearance="@style/toolBarTextAppearance"
24    app:titleTextColor="@color/colorPrimary" />
25
26
27
28 </android.support.constraint.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android
  "
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent">
7
8   <android.support.v7.widget.Toolbar
9     android:id="@+id/toolbar"
10    android:layout_width="0dp"
11    android:layout_height="57dp"
12    android:background="@color/toolBarColor"
13    android:minHeight="?attr/actionBarSize"
14    android:outlineAmbientShadowColor="@android:color/background_light"
15    android:outlineSpotShadowColor="@android:color/background_light"
16    android:theme="?attr actionBarTheme"
17    app:layout_constraintEnd_toEndOf="parent"
18    app:layout_constraintHorizontal_bias="0.0"
19    app:layout_constraintStart_toStartOf="parent"
20    app:layout_constraintTop_toTopOf="parent"
21    app:subtitleTextColor="@android:color/background_light"
22    app:title="@string/internet_connectivity_title"
23    app:titleTextAppearance="@style/toolBarTextAppearance"
24    app:titleTextColor="@color/colorPrimary" />
25
26
27
28 </android.support.constraint.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android
  "
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent">
7
8   <android.support.v7.widget.Toolbar
9     android:id="@+id/toolbar"
10    android:layout_width="0dp"
11    android:layout_height="57dp"
12    android:background="@color/toolBarColor"
13    android:minHeight="?attr/actionBarSize"
14    android:outlineAmbientShadowColor="@android:color/background_light"
15    android:outlineSpotShadowColor="@android:color/background_light"
16    android:theme="?attr actionBarTheme"
17    app:layout_constraintEnd_toEndOf="parent"
18    app:layout_constraintHorizontal_bias="0.0"
19    app:layout_constraintStart_toStartOf="parent"
20    app:layout_constraintTop_toTopOf="parent"
21    app:subtitleTextColor="@android:color/background_light"
22    app:title="@string/settings_activity_title"
23    app:titleTextColor="@color/colorPrimary"
24    app:titleTextAppearance="@style/toolBarTextAppearance"/>
25
26   <android.support.v7.widget.RecyclerView
27     android:id="@+id/settingsRecyclerView"
28     android:layout_width="match_parent"
29     android:layout_height="600dp"
30     android:clipToPadding="false"
31     android:scrollbarStyle="outsideOverlay"
32     android:paddingBottom="8dp"
33     app:layout_constraintStart_toStartOf="parent"
34     app:layout_constraintTop_toBottomOf="@+id/toolbar" />
35
36 </android.support.constraint.ConstraintLayout>
37
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android
  "
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:id="@+id/relativeLayout"
6   android:layout_width="match_parent"
7   android:layout_height="90dp"
8   android:background="?android:attr/selectableItemBackground"
9   android:clickable="true"
10  android:focusable="true"
11  android:orientation="vertical"
12  android:paddingLeft="8dp"
13  android:paddingTop="8dp"
14  android:paddingRight="8dp"
15  android:paddingBottom="8dp">
16
17  <TextView
18    android:id="@+id/setting_title"
19    android:layout_width="250dp"
20    android:layout_height="wrap_content"
21    android:layout_marginTop="8dp"
22    android:layout_marginEnd="8dp"
23    android:fontFamily="@font/droid_sans_bold"
24    android:text="Lorem ipsum dolor"
25    android:textColor="@color/colorPrimary"
26    android:textSize="18sp"
27    android:textStyle="bold"
28    app:layout_constraintEnd_toEndOf="parent"
29    app:layout_constraintTop_toTopOf="parent"
30    tools:layout_conversion_wrapHeight="56"
31    tools:layout_conversion_wrapWidth="788" />
32
33  <TextView
34    android:id="@+id/setting_subtitle"
35    android:layout_width="250dp"
36    android:layout_height="wrap_content"
37    android:layout_marginEnd="8dp"
38    android:fontFamily="@font/droid_sans"
39    android:lines="2"
40    android:maxLines="2"
41    android:text="Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor
incididunt ut labore et dolore magna aliqua. "
42    app:layout_constraintEnd_toEndOf="parent"
43    app:layout_constraintTop_toBottomOf="@+id/setting_title"
44    tools:layout_conversion_wrapHeight="94"
45    tools:layout_conversion_wrapWidth="788" />
46
47  <ImageView
48    android:id="@+id/setting_icon"
49    android:layout_width="50dp"
50    android:layout_height="50dp"
51    android:scaleType="fitXY"
52    app:layout_constraintBottom_toBottomOf="parent"
53    app:layout_constraintEnd_toStartOf="@+id/setting_title"
54    app:layout_constraintHorizontal_bias="0.5"
55    app:layout_constraintStart_toStartOf="parent"
56    app:layout_constraintTop_toTopOf="parent"
57    app:srcCompat="@drawable/ic_setting_contacts_and_communication"
58    tools:layout_conversion_wrapHeight="158"
59    tools:layout_conversion_wrapWidth="158" />
60
61 </android.support.constraint.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android
  "
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent">
7
8   <android.support.v7.widget.Toolbar
9     android:id="@+id/toolbar"
10    android:layout_width="0dp"
11    android:layout_height="57dp"
12    android:background="@color/toolBarColor"
13    app:titleTextColor="@color/colorPrimary"
14    android:minHeight="?attr/actionBarSize"
15    android:outlineAmbientShadowColor="@android:color/background_light"
16    android:outlineSpotShadowColor="@android:color/background_light"
17    android:theme="?attr/actionBarTheme"
18    app:title="@string/voice_recognition_settings_title"
19    app:layout_constraintEnd_toEndOf="parent"
20    app:layout_constraintHorizontal_bias="0.0"
21    app:layout_constraintStart_toStartOf="parent"
22    app:layout_constraintTop_toTopOf="parent"
23    app:subtitleTextColor="@android:color/background_light"
24    app:titleTextAppearance="@style/toolBarTextAppearance"/>
25
26   <Button
27     android:id="@+id/set_voice_btn"
28     android:layout_width="172dp"
29     android:layout_height="53dp"
30     android:layout_marginStart="8dp"
31     android:layout_marginTop="180dp"
32     android:layout_marginEnd="8dp"
33     android:layout_marginBottom="8dp"
34     android:onClick="setVoiceOnClick"
35     android:text="CAMBIAR VOZ"
36     app:layout_constraintBottom_toBottomOf="parent"
37     app:layout_constraintEnd_toEndOf="parent"
38     app:layout_constraintStart_toStartOf="parent"
39     app:layout_constraintTop_toBottomOf="@+id/toolbar"
40     app:layout_constraintVertical_bias="0.349" />
41
42   <Button
43     android:id="@+id/speech_test_btn"
44     android:layout_width="172dp"
45     android:layout_height="53dp"
46     android:layout_marginStart="8dp"
47     android:layout_marginTop="180dp"
48     android:layout_marginEnd="8dp"
49     android:layout_marginBottom="8dp"
50     android:onClick="speechTestOnClick"
51     android:text="PRUEBA"
52     app:layout_constraintBottom_toBottomOf="parent"
53     app:layout_constraintEnd_toEndOf="parent"
54     app:layout_constraintStart_toStartOf="parent"
55     app:layout_constraintTop_toBottomOf="@+id/toolbar"
56     app:layout_constraintVertical_bias="0.057" />
57
58   <EditText
59     android:id="@+id/phrase_editText"
60     android:layout_width="wrap_content"
61     android:layout_height="wrap_content"
62     android:layout_marginStart="8dp"
63     android:layout_marginTop="52dp"
64     android:layout_marginEnd="8dp"
65     android:layout_marginBottom="8dp"
66     android:ems="10"
67     android:inputType="textPersonName"
68     android:shadowColor="@color/colorPrimary"
69     android:text="Frase"
70     app:layout_constraintBottom_toBottomOf="parent"
71     app:layout_constraintEnd_toEndOf="parent"
72     app:layout_constraintHorizontal_bias="0.503"
73     app:layout_constraintStart_toStartOf="parent"
74     app:layout_constraintTop_toBottomOf="@+id/toolbar"
75     app:layout_constraintVertical_bias="0.08" />
76
```

```
77 <ProgressBar
78     android:id="@+id/progressBar"
79     style="android:attr/progressBarStyle"
80     android:layout_width="wrap_content"
81     android:layout_height="wrap_content"
82     android:layout_marginStart="8dp"
83     android:layout_marginTop="444dp"
84     android:layout_marginEnd="8dp"
85     android:layout_marginBottom="8dp"
86     app:layout_constraintBottom_toBottomOf="parent"
87     app:layout_constraintEnd_toEndOf="parent"
88     app:layout_constraintStart_toStartOf="parent"
89     app:layout_constraintTop_toBottomOf="@+id/toolbar"
90     app:layout_constraintVertical_bias="0.0" />
91
92
93 </android.support.constraint.ConstraintLayout>
```