

appBeer:

activity_main:

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout 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/main"
6      android:layout_width="match_parent"
7      android:layout_height="match_parent"
8      android:padding="50dp"
9      android:orientation="vertical"
10     tools:context=".MainActivity"
11     android:background="@color/background">
12
13     <TextView
14         android:id="@+id/tvBeer"
15         android:layout_width="wrap_content"
16         android:layout_height="wrap_content"
17         android:text="@string/textBeer"
18         android:layout_gravity="center"
19         android:layout_margin="10dp"
20         android:textSize="36sp"
21         android:textColor="@color/textColor"/>
22
23     <Spinner
24         android:id="@+id/spinBeer"
25         android:layout_width="100dp"
26         android:layout_height="35dp"
27         android:layout_gravity="center"
28         android:layout_margin="10dp"
29         android:background="@color/backgroundSpin"
30         android:entries="@array/typeBeer"
31         android:popupBackground="@color/backgroundSpin" />
32
33     <androidx.appcompat.widget.AppCompatButton
34         android:id="@+id/btnBeer"
35         android:layout_width="wrap_content"
36         android:layout_height="wrap_content"
37         android:text="@string/btnPush"
38         android:layout_gravity="center"
39         android:layout_margin="10dp"
40         android:background="@drawable/gradient_btn"/>
41
42     <ImageView
43         android:id="@+id/imageBeer"
44         android:layout_width="200sp"
```

```

42     <ImageView
43         android:id="@+id/imageBeer"
44         android:layout_width="200sp"
45         android:layout_height="200sp"
46         android:layout_gravity="center"
47         android:layout_margin="10dp"/>
48
49     <TextView
50         android:id="@+id/recSort"
51         android:layout_width="wrap_content"
52         android:layout_height="wrap_content"
53         android:layout_gravity="center"
54         android:layout_margin="10dp"
55         android:textSize="25sp"
56         android:textColor="@color/textColor"/>
57
58 </LinearLayout>
59

```


colors:

```






1  <?xml version="1.0" encoding="utf-8"?>
2  <resources>
3      <color name="black">#FF000000</color>
4      <color name="white">#FFFFFFF</color>
5      <color name="textColor">#00ADB5</color>
6      <color name="background">#222831</color>
7      <color name="backgroundSpin">#7a8ba3</color>
8  </resources>

```

strings:

```
1  <resources>
2      <string name="app_name">beer App</string>
3      <string-array name="typeBeer">
4          <item>Dark</item>
5          <item>Light</item>
6          <item>Rye</item>
7          <item>Sweet</item>
8          <item>Bitter</item>
9      </string-array>
10     <string name="textBeer">Your type beer:</string>
11     <string name="btnPush">Enter</string>
12      <string name="recSort">Recommend sort:</string>
13 </resources>
```

MainActivity:

```
25     val btnBeer = findViewById<Button>(R.id.btnBeer)
26     val tvBeer = findViewById<TextView>(R.id.tvBeer)
27     val spinBeer = findViewById<Spinner>(R.id.spinBeer)
28     val recSort = findViewById<TextView>(R.id.recSort)
29     val imageBeer = findViewById<ImageView>(R.id.imageBeer)
30
31     val variety = arrayOf("Dark", "Light", "Rye", "Sweet", "Bitter")
32
33     btnBeer.setOnClickListener {
34         val type = spinBeer.selectedItem
35         tvBeer.text = ("Your type beer: $type")
36
37          if (type == "Dark") imageBeer.setImageResource(R.drawable.dark_beer)
38          if (type == "Light") imageBeer.setImageResource(R.drawable.light_beer)
39          if (type == "Rye") imageBeer.setImageResource(R.drawable.rye_beer)
40          if (type == "Sweet") imageBeer.setImageResource(R.drawable.sweet_beer)
41          if (type == "Bitter") imageBeer.setImageResource(R.drawable.bitter_beer)
42
43         var identically = true
44         var recBeer = ""
45         while (identically == true) {
46             recBeer = variety.random().toString()
47             if (recBeer != type) identically = false
48         }
49
50         recSort.text = ("Recommend type: $recBeer")
51     }
```

result:

