

Практика №7

MainActivity:

```
activity_main.xml x list_item.xml x MainActivity.kt x
1 package com.example.test7
2
3 import ...
10
11 class MainActivity : AppCompatActivity() {
12     override fun onCreate(savedInstanceState: Bundle?) {
13         super.onCreate(savedInstanceState)
14         enableEdgeToEdge()
15         setContentView(R.layout.activity_main)
16         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
17             val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
18             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
19             insets
20         }
21         val listView : ListView = findViewById(R.id.lvMain)
22         val items = listOf(
23             Data(R.drawable.a, TextTitle: "грустни кот", Action: "Action1"),
24             Data(R.drawable.b, TextTitle: "мили кот", Action: "Action1"),
25             Data(R.drawable.c, TextTitle: "добри кот", Action: "Action1"),
26             Data(R.drawable.d, TextTitle: "злюбни кот", Action: "Action1"),
27             Data(R.drawable.f, TextTitle: "сонни кот", Action: "Action1"),
28             Data(R.drawable.j, TextTitle: "модни кот", Action: "Action1"),
29             Data(R.drawable.h, TextTitle: "весёли кот", Action: "Action1"),
30         )
31         val adapter = AdapterList(context: this, items)
32         listView.adapter = adapter
33         //Добавление кликабельности объектов в списке listView
34         listView.setOnItemClickListener { parent, view, position, id ->
35             val selectedItem = items[position]
36             when(selectedItem.Action){
37                 "Action1" -> {
38                     Toast.makeText(context: this, text: "Первый элемент списка",
39                         Toast.LENGTH_SHORT).show()
40                 }
41                 "Action2" -> {
42                     Toast.makeText(context: this, text: "Второй элемент списка",
43                         Toast.LENGTH_SHORT).show()
44                 }
45                 "Action3" -> {
46                     Toast.makeText(context: this, text: "Третий элемент списка",
47                         Toast.LENGTH_SHORT).show()
48                 }
49             }
50         }
```

Activity_main:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <ListView
        android:id="@+id/lvMain"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:layout_constraintEnd_toEndOf="parent" />

</RelativeLayout>
```

List_item.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="horizontal">

    <ImageView
        android:id="@+id/ImageView"
        android:layout_width="95dp"
        android:layout_height="110dp"
        android:layout_margin="15dp" />

    <TextView
        android:id="@+id/tvList"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="15dp"
        android:text="Тыт БУДЕТ ТЕКСТ"
        android:textSize="30sp" />

</LinearLayout>
```

Создаём класс:

```
package com.example.test7

import ...

class AdapterList (context: Context, private val items: List<Data>) :
    ArrayAdapter<Data>(context, resource: 0, items) {

    override fun getView(position: Int, convertView: View?, parent: ViewGroup): View
    {
        val item = getItem(position)
        val view = convertView ?: LayoutInflater.from(context).inflate(R.layout.list_item, parent, attachToRoot: false)

        val imageView: ImageView = view.findViewById(R.id.imageView)
        val textView: TextView = view.findViewById(R.id.tvList)

        item?.let {
            imageView.setImageResource(it.image)
            textView.text = it.textTitle
        }
        return view
    }
}
```

Результат:

