

Работа со списком ListView

Выполнили: Бурова Екатерина

Кахнович Мария

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintEnd_toEndOf="parent"
    />

</LinearLayout>
```

MainActivity

```
package com.example.lb7

import android.os.Bundle
import android.widget.ListView
import android.widget.Toast
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_main)

        // Применение отступов для View
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
            val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
        }

        // Создание списка элементов
        val items = listOf(
            ListItem(R.drawable.cat, "Nirvana - Rape me", "Action1"),
            ListItem(R.drawable.cat, "GONE.FLUDD - OVERHEAVEN", "Action2"),
            ListItem(R.drawable.cat, "Шенки - Маднессе", "Action3"),
            ListItem(R.drawable.cat, "Yung Lean - Shawty u know what i do", "Action4"),
            ListItem(R.drawable.cat, "Найтивыход - Ты никому не нужен", "Action5"),
            ListItem(R.drawable.cat, "Брединь - Шиза", "Action6")
        )
    }
}
```

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="50dp"
        android:layout_height="50dp"
        android:layout_margin="15dp"
        android:src="@drawable/cat"
    />

    <TextView
        android:id="@+id/tvList"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Тут будет текст"
        android:textSize="30sp"
        android:layout_margin="15dp" />
</LinearLayout>
```

m2.kt

```
import android.content.Context
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.ArrayAdapter
import android.widget.ImageView
import android.widget.TextView

data class ListItem(val imageR: Int, val text: String, val action: String)

class AdapterList(context: Context, private val items: List<ListItem>) : ArrayAdapter<ListItem>(context, 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, false)

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

        item?.let {
            imageView.setImageResource(it.imageR)
            textView.text = it.text
        }

        return view
    }
}
```

Запускаем список

