

Практика 6 секундомер Кирюшкин Артём

ИС221

```
activity_main.xml | colors.xml | strings.xml | MainActivity.kt
class MainActivity : AppCompatActivity() {
    lateinit var chronometer: Chronometer
    var running : Boolean = false
    var offset : Long = 0
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_main)
        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)
            insets
        }
        chronometer = findViewById(R.id.time)
        val btnStart = findViewById<Button>(R.id.btStart)
        val btnPause = findViewById<Button>(R.id.btPause)
        val btnReset = findViewById<Button>(R.id.btReset)
        fun saveOffset(){
            offset = SystemClock.elapsedRealtime() - chronometer.base
        }
        fun setBaseTime(){
            chronometer.base = SystemClock.elapsedRealtime() - offset
        }
        btnStart.setOnClickListener {
            if(!running){
                setBaseTime()
                chronometer.start()
                running = true
            }
        }
        btnPause.setOnClickListener {
            if (running){
                saveOffset()
            }
        }
    }
}
```

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```
<resources>
    <string name="app_name">Secundomer</string>
    <string name="pause">Пауза</string>
    <string name="start">Старт</string>
    <string name="reset">Перезапуск</string>
    <string name="chronometr">Секундомер </string>
    <string name="vaib">Дико вайбовая штука</string>
</resources>
```

activity_main.xml | colors.xml | strings.xml | MainActivity.kt

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="black">#FF000000</color>
    <color name="white">#FFFFFFFF</color>
    <color name="backroung">#90EE90</color>
    <color name="Button">#808080</color>
    <color name="chronometr">#FAEBD7</color>
</resources>
```

```
activity_main.xml x colors.xml strings.xml MainActivity.kt
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   tools:context=".MainActivity"
9   android:orientation="vertical"
10  android:background="@color/backroung"
11  android:weightSum="4"
12  >
13
14  <TextView
15    android:id="@+id/mainText"
16    android:layout_width="wrap_content"
17    android:layout_height="wrap_content"
18    android:text="Секундомер"
19    android:layout_gravity="center"
20    android:textSize="30sp"
21    android:textColor="@color/black"
22  />
23
24  <Chronometer
25    android:id="@+id/time"
26    android:layout_width="wrap_content"
27    android:layout_height="wrap_content"
28    android:layout_gravity="center"
29    android:textAllCaps="true"
30    android:textSize="40sp"
31    android:textColor="@color/black"
32  />
33
34  <Button
35    android:id="@+id/btStart"
36    android:layout_width="250dp"
37    android:backgroundTint="@color/Button"
38    android:layout_weight="1"
39  />
40
41  <Button
42    android:id="@+id/btPause"
43    android:layout_width="250dp"
44    android:layout_height="wrap_content"
45    android:layout_gravity="center"
46    android:text="Пауза"
47    android:backgroundTint="@color/Button"
48    android:layout_marginTop="30dp"
49    android:layout_weight="1"
50  />
51
52  <Button
53    android:id="@+id/btReset"
54    android:layout_width="250dp"
55    android:layout_height="wrap_content"
56    android:layout_gravity="center"
57    android:layout_marginTop="30dp"
58    android:text="Нелезанык"
59    android:backgroundTint="@color/Button"
60    android:layout_weight="1"
61  />
62
63  <TextView
64    android:layout_width="match_parent"
65    android:layout_height="wrap_content"
66    android:textColor="@color/black"
67    android:textSize="15sp"
68    android:text="Лікко вагбавая штукa"
69    android:gravity="center"
70    android:layout_marginBottom="1px"
71  />
72</pre>
```

Результат:

