activity_main:

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android</p>
xmlns:app="http://schemas.android.com/apk/res-auto"
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   android:orientation="vertical"
   android:background="#2D142C">
       android:id="@+id/textTime"
       android:layout_width="wrap_content"
       android:layout_height="wrap_content"
       android:layout_gravity="center"
       android:id="@+id/btnStart"
       android:layout_width="wrap_content"
       android:layout_height="wrap_content"
       android:text="Start"
       android:layout_gravity="center"
       android:layout_margin="25dp"
       android:background="#EE4540"/>
   <androidx.appcompat.widget.AppCompatButton</pre>
       android:layout_width="wrap_content"
       android:layout_height="wrap_content"
       android:text="Pause"
       android:layout_gravity="center"
       android:background="#EE4540"/>
       android:id="@+id/btnReset"
       android:layout_height="wrap_content"
       android:text="Reset"
       android:layout_gravity="center"
       android:layout_margin="25dp"
       android:background="#EE4540"/>
```

MainActivity:

```
class MainActivity : AppCompatActivity() {
lateinit var chronometer: Chronometer
var running: Boolean = false
var offset: Long = 0

val OFFSET_KEY = "offset"
val RUNNING_KEY = "running"
val BASE_KEY = "base_key"
```

```
chronometer = findViewById(R.id.textTime)
val btnStart: Button = findViewById(R.id.<u>btnStart</u>)
val btnPause: Button = findViewById(R.id.btnPause)
val btnReset: Button = findViewById(R.id.btnReset)
btnStart.setOnClickListener {
    if (!running) {
        setBaseTime()
        chronometer.start()
btnPause.setOnClickListener {
        saveOffset()
        chronometer.stop()
btnReset.setOnClickListener {
    setBaseTime()
if (savedInstanceState != null) {
    offset = savedInstanceState.getLong(OFFSET_KEY)
    running = savedInstanceState.getBoolean(RUNNING_KEY)
        <u>chronometer</u>.<u>bαse</u> = savedInstanceState.getLong(BASE_KEY)
        chronometer.start()
    } else setBaseTime()
```

```
override fun onSaveInstanceState(savedInstanceState: Bundle) {
    super.onSaveInstanceState(savedInstanceState)

savedInstanceState.putLong("offset",offset)
    savedInstanceState.putBoolean("running",running)
    savedInstanceState.putLong("base_key",chronometer.base)

private fun setBaseTime() {
    chronometer.base = SystemClock.elapsedRealtime() - offset
    }

private fun saveOffset() {
    offset = SystemClock.elapsedRealtime() - chronometer.base
}
```

result:

