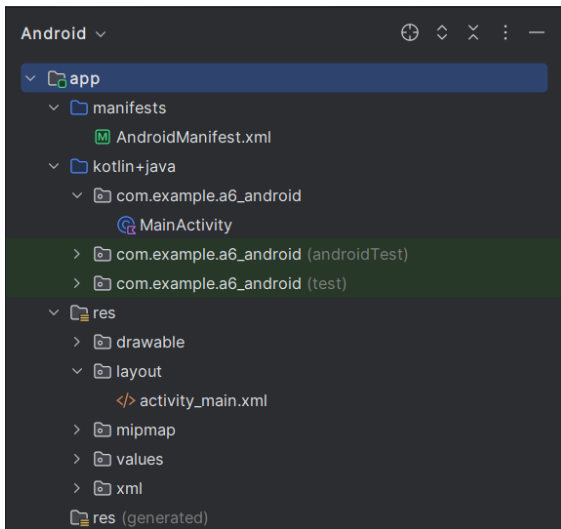


## Практика 6

### Структура:



### String:

```
<resources>
    <string name="app_name">6_android</string>
    <string name="start">Start</string>
    <string name="pause">Pause</string>
    <string name="reset">Reset</string>
</resources>
```

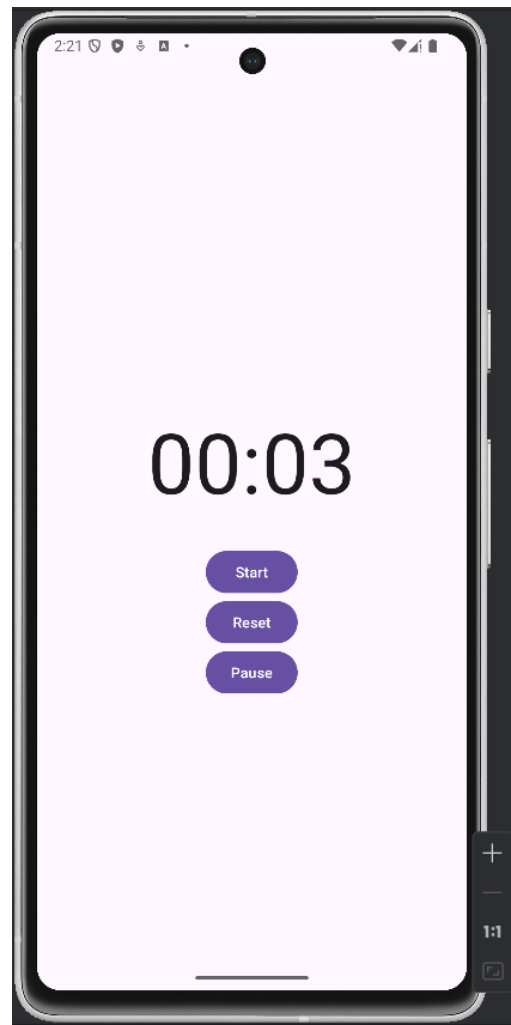
### Логика:

```
class MainActivity : AppCompatActivity() {
    private lateinit var chronometr : Chronometer
    private var running : Boolean = false
    private var offset : Long = 0
    val OFFSET_KEY = "offset"
    val RUNNING_KEY = "running"
    val BASE_KEY = "base_key"
    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.setOnApplyWindowInsetsListener
        }
        chronometr = findViewById(R.id.textTime)
        val btnStart = findViewById<Button>(R.id.btnStart)
        val btnReset = findViewById<Button>(R.id.btnReset)
        val btnPause = findViewById<Button>(R.id.btnPause)
        if(savedInstanceState != null){
            offset = savedInstanceState.getLong(OFFSET_KEY)
            running = savedInstanceState.getBoolean(RUNNING_KEY)
            if (running){
                chronometr.base = savedInstanceState.getLong(BASE_KEY)
                chronometr.start()
            } else setTime()
        }
    }
```

```
        chronometr.base = SystemClock.elapsedRealtime()
        btnStart.setOnClickListener {
            if(!running) {
                setBaseTime()
                chronometr.start()
                running = true
            }
        }
        btnPause.setOnClickListener {
            if (running){
                saveOffset()
                chronometr.stop()
                running = false
            }
        }
        btnReset.setOnClickListener {
            offset = 0
            setBaseTime()
            running = false
        }
    }
    override fun onSaveInstanceState(outState: Bundle) {
        outState.putLong("offset", offset)
        outState.putBoolean("running", running)
        outState.putLong("base_key", chronometr.base)
        super.onSaveInstanceState(outState)
    }
}
```

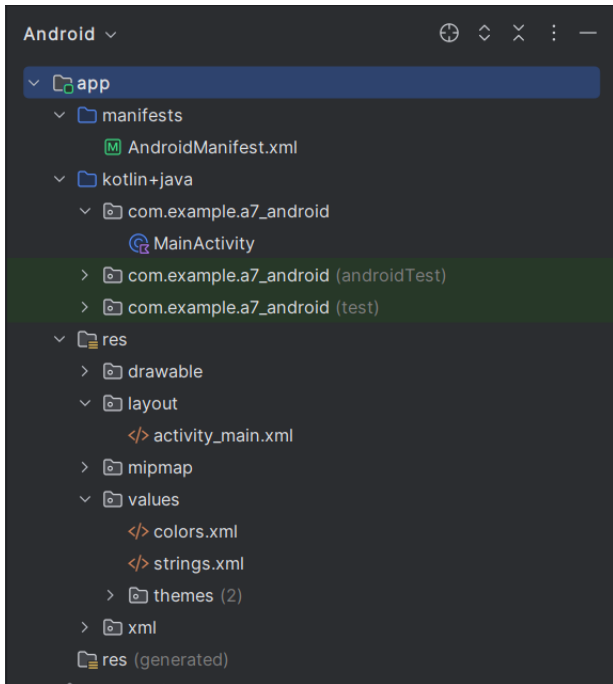
```
private fun saveOffset() {
    offset = SystemClock.elapsedRealtime() - chronometr.base
}
private fun setBaseTime() {
    chronometr.base = SystemClock.elapsedRealtime() - offset
}
}
```

### Итог:



## Практика 7:

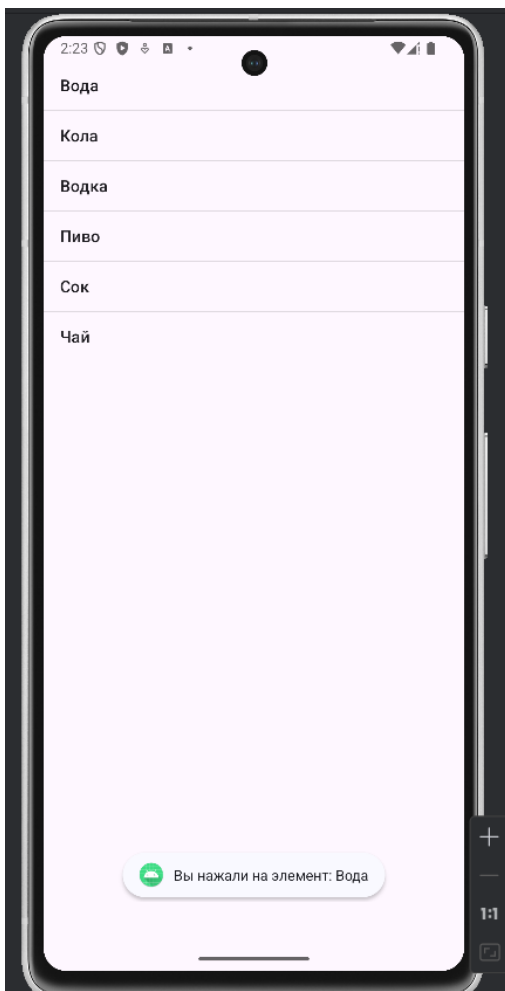
### Структура:



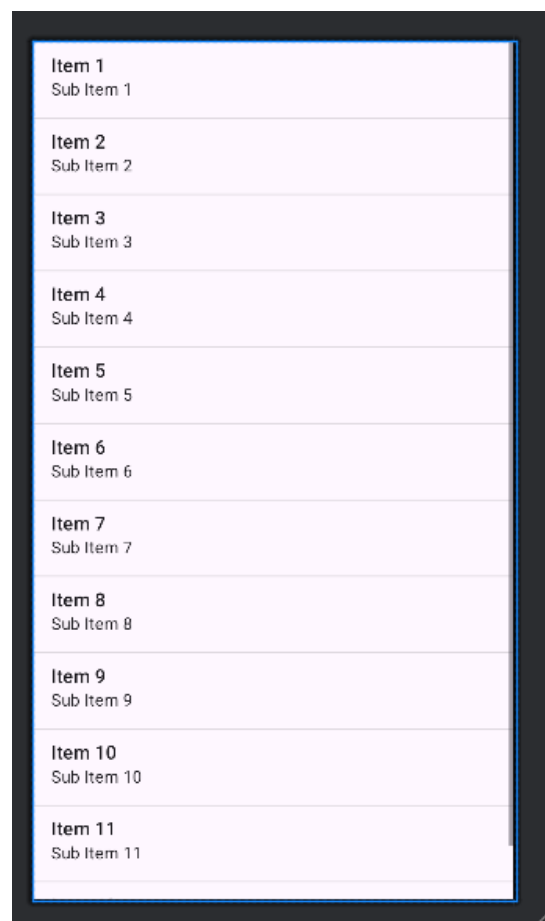
### Логика:

```
class MainActivity : AppCompatActivity() {
    @SuppressWarnings("MissingInflatedId")
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        val listView: ListView = findViewById(R.id.lvMain)
        val names = arrayOf("Вода", "Кола", "Водка", "Пиво", "Сок", "Чай")
        val arrayAdapter: ArrayAdapter<String> =
            ArrayAdapter<context> this, android.R.layout.simple_list_item_1, names
        listView.adapter = arrayAdapter
        listView.setOnItemClickListener { parent, view, position, id ->
            val selectItem = names[position]
            Toast.makeText<context> this, <text> "Вы нажали на элемент: $selectItem", Toast.LENGTH_SHORT).show()
        }
        enableEdgeToEdge()
        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 *setOnApplyWindowInsetsListener
        }
    }
}
```

### Итог:

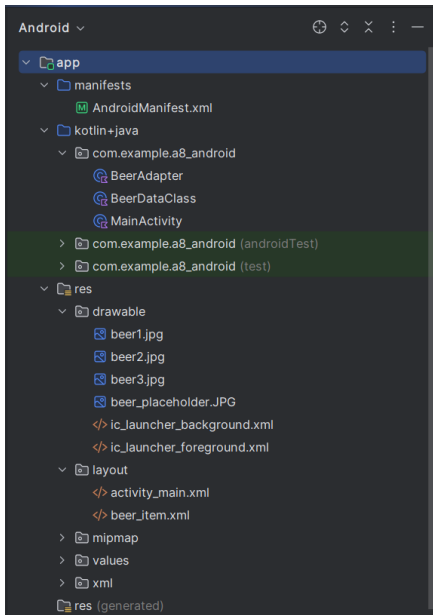


### Дизайн:



## Практика 8:

### Структура:



### MainActivity:

```
class MainActivity : AppCompatActivity() {
    private lateinit var recyclerView: RecyclerView
    private lateinit var beerArrayList: ArrayList<BeerDataClass>
    private lateinit var imageIds: Array<Int>
    private lateinit var titles: Array<String>
    private lateinit var descriptions: Array<String>
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        recyclerView = findViewById(R.id.newRecycleView)
        recyclerView.layoutManager = LinearLayoutManager(context: this)
        recyclerView.setHasFixedSize(true)
        imageIds = arrayOf(R.drawable.beer1, R.drawable.beer2, R.drawable.beer3)
        titles = resources.getStringArray(R.array.beer_titles)
        descriptions = resources.getStringArray(R.array.beer_descriptions)
        beerArrayList = arrayListOf()
        getBeerData()
        recyclerView.adapter = BeerAdapter(beerArrayList)
    }
    private fun getBeerData() {
        for (i in imageIds.indices) {
            val beer = BeerDataClass(imageIds[i], titles[i], descriptions[i])
            beerArrayList.add(beer)
        }
    }
}
```

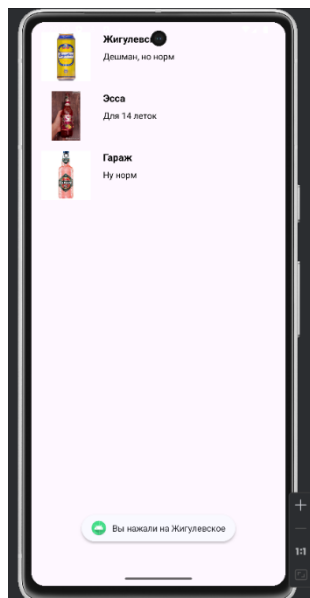
### BeerAdapter:

```
class BeerAdapter(private val beerList: ArrayList<BeerDataClass>) :
    RecyclerView.Adapter<BeerAdapter.BeerViewHolder>() {
    override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): BeerViewHolder {
        val itemView = LayoutInflater.from(parent.context).inflate(R.layout.beer_item, parent, attachToRoot: false)
        return BeerViewHolder(itemView)
    }
    override fun getItemCount(): Int {
        return beerList.size
    }
    override fun onBindViewHolder(holder: BeerViewHolder, position: Int) {
        val currentItem = beerList[position]
        holder.imageView.setImageResource(currentItem.imageResource)
        holder.txtTitle.text = currentItem.title
        holder.txtDescription.text = currentItem.description
        holder.itemView.setOnClickListener {
            Toast.makeText(holder.itemView.context, text: "Вы нажали на ${currentItem.title}", Toast.LENGTH_SHORT).show()
        }
    }
    class BeerViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView) {
        val imageView: ShapeableImageView = itemView.findViewById(R.id.imageBeer)
        val txtTitle: TextView = itemView.findViewById(R.id.txtTitle)
        val txtDescription: TextView = itemView.findViewById(R.id.txtDescription)
    }
}
```

### String:

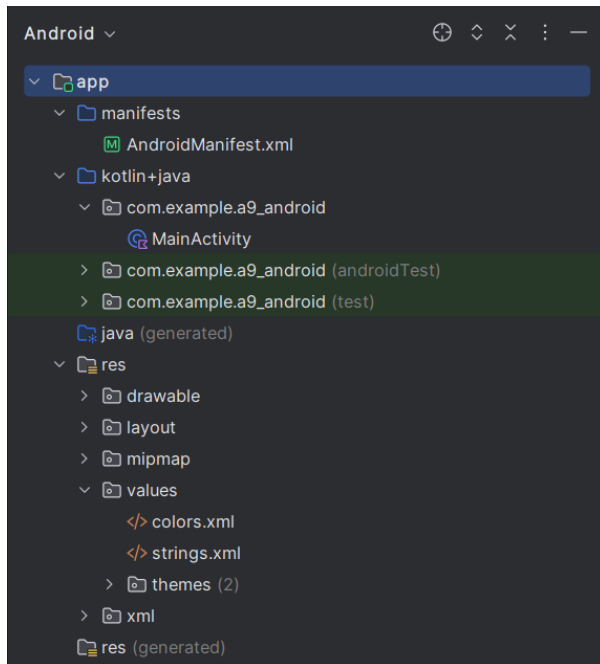
```
<resources>
<string name="app_name">8_android</string>
<string-array name="beer_titles">
    <item>Жигулевское</item>
    <item>Зсса</item>
    <item>Гараж</item>
</string-array>
<string-array name="beer_descriptions">
    <item>Дешман, но норм</item>
    <item>Для 14 леток</item>
    <item>Ну норм</item>
</string-array>
</resources>
```

### Итог:

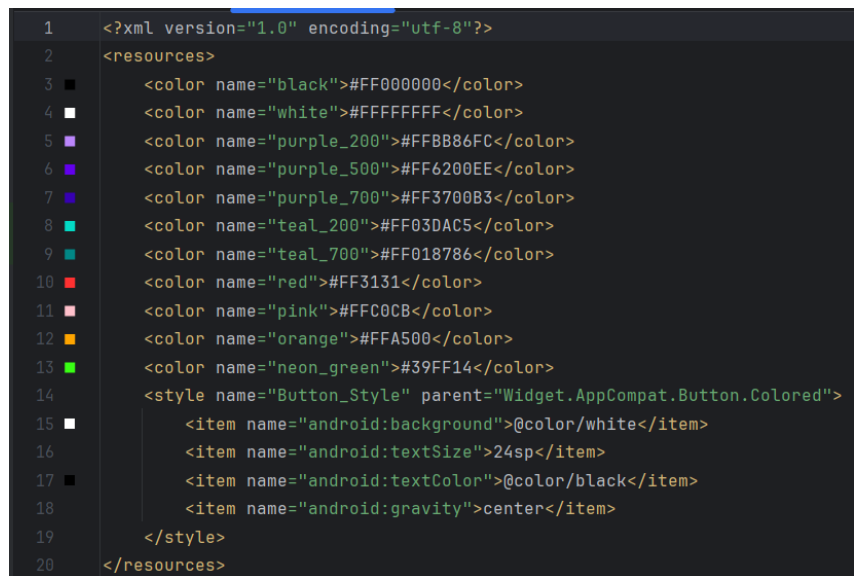


## Практика 9:

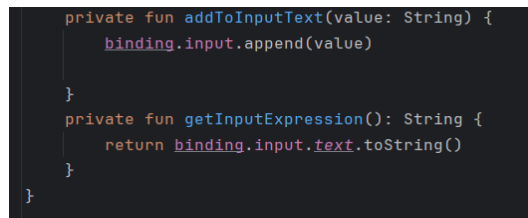
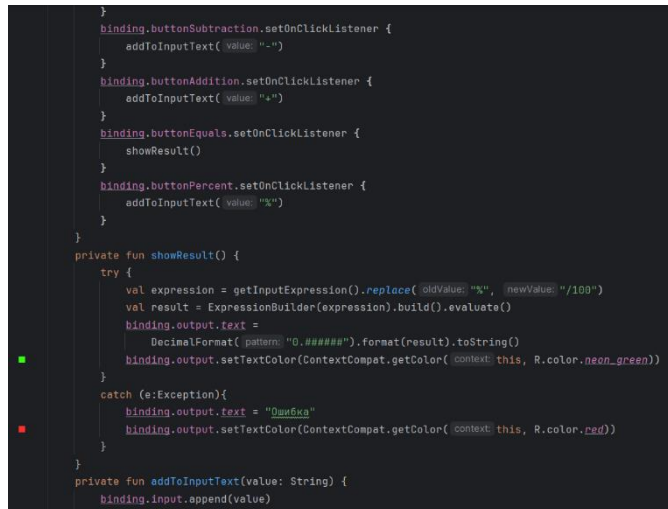
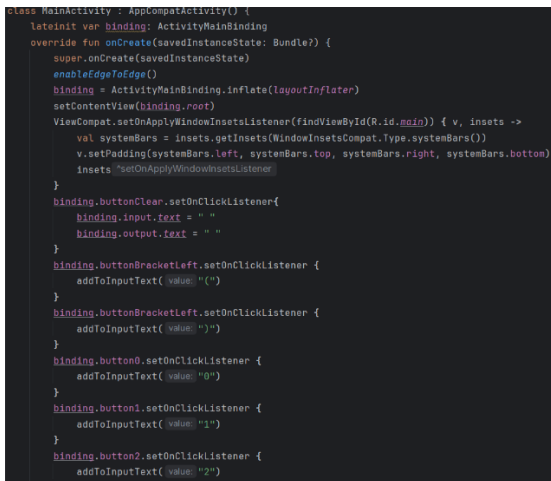
### Структура:



### Colors:



### Логика:



### Итог:

