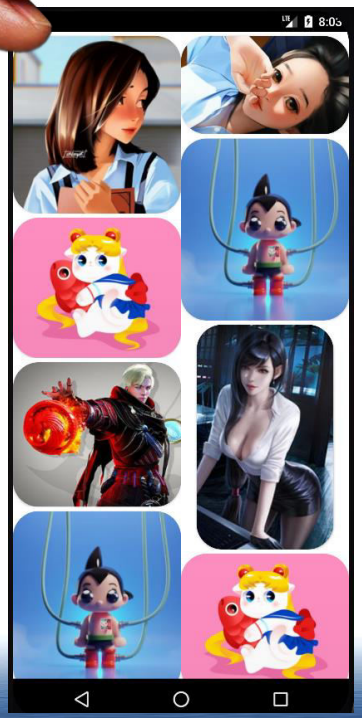
YouTube Gà Lại Lập Trình

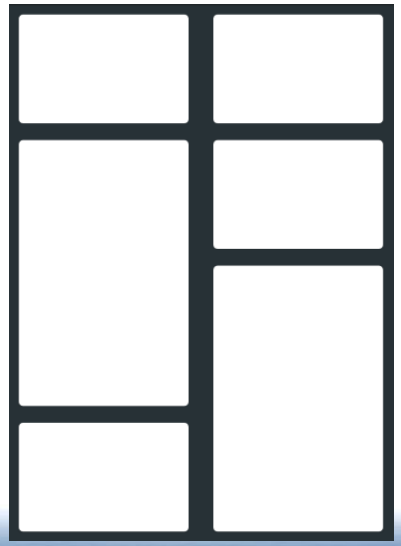
http://tuhoc.cc

AndroidStudio Kotlin Bài 16.3

RecyclerView

StaggeredGridLayout





1 RecyclerView kotlin

❑ 1. Các bước xây dựng RecyclerView:

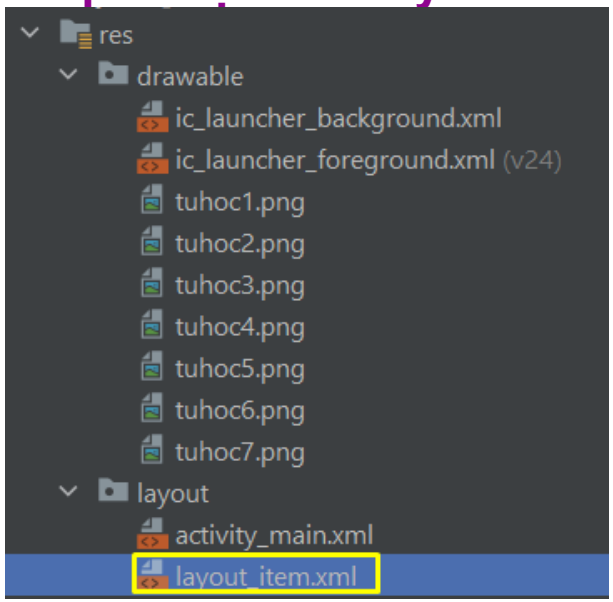
Step 1:
Make xml layout
CustomLayout

Step 2:
Make class
OutData

Step 3:
Make Class
RvAdapter
-ViewHolder

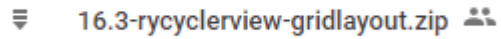
1 RecyclerView kotlin

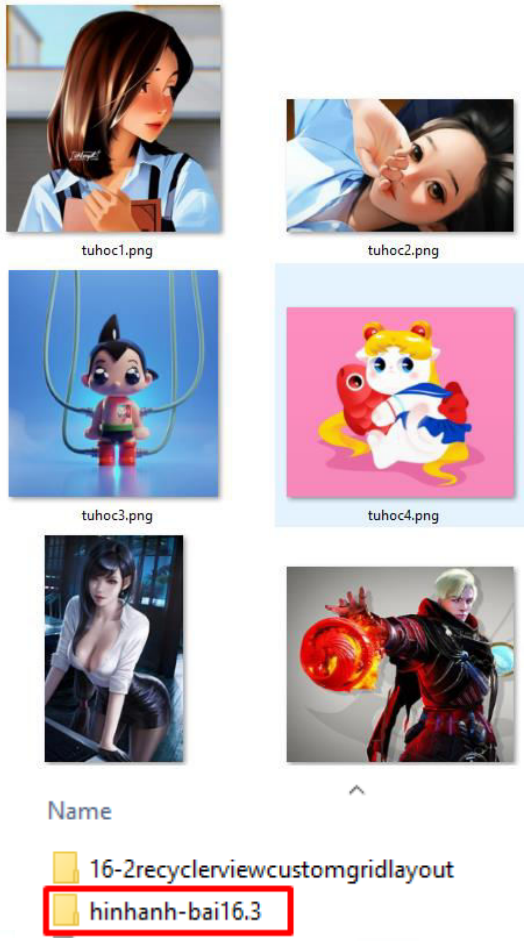
❑ 2. Step 1 - tạo xml layout file tuỳ chỉnh – Đưa hình ảnh vào drawable:



Ảnh để trong drawable
và code toàn bộ bài 16
Pass unrar : tuhoc163

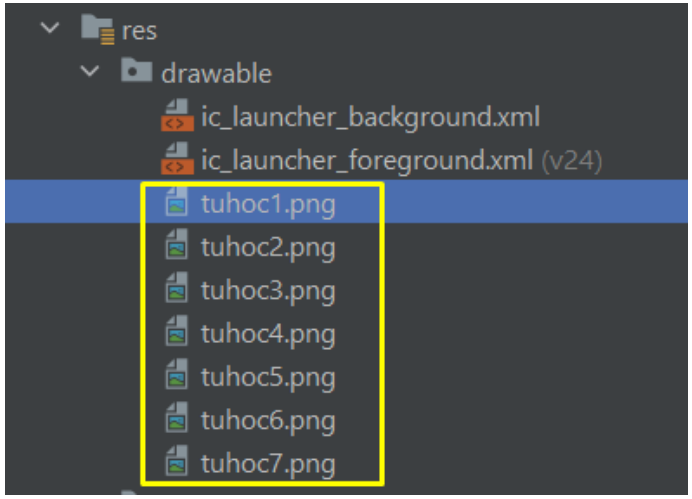
http://android.tuhoc.cc/

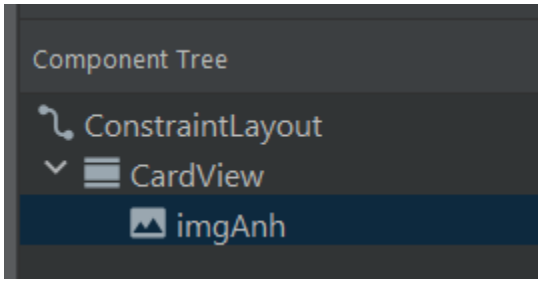


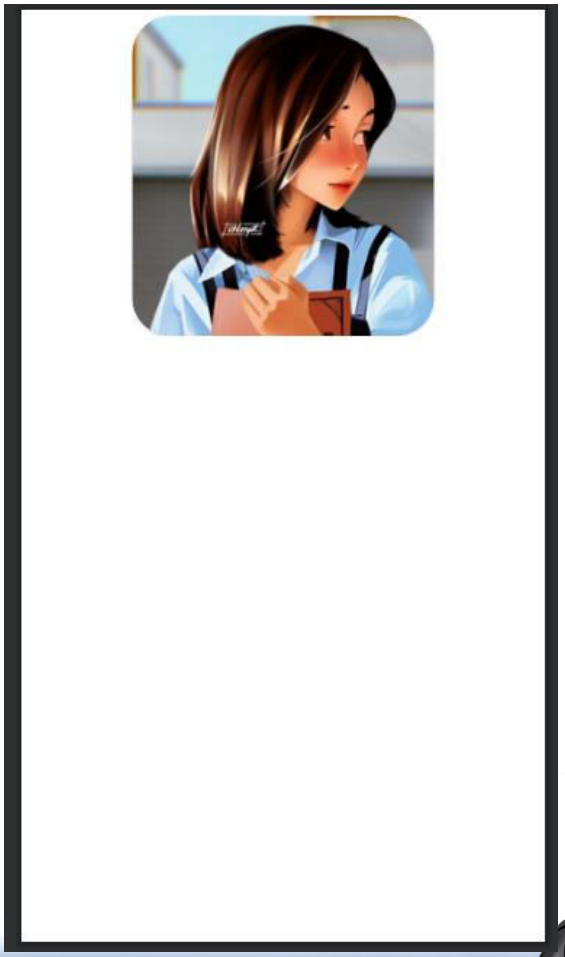


1 RecyclerView kotlin

❑ 3. Step 1: tạo xml layout file tuỳ chỉnh :







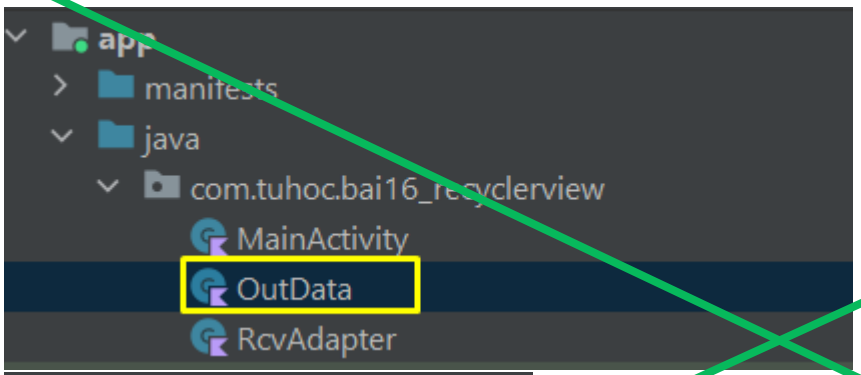
1 RecyclerView kotlin

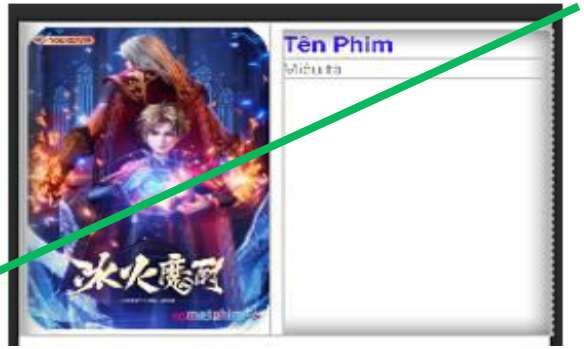
❑ 4. Step 1: tạo xml layout file tuỳ chỉnh (code trong xml):

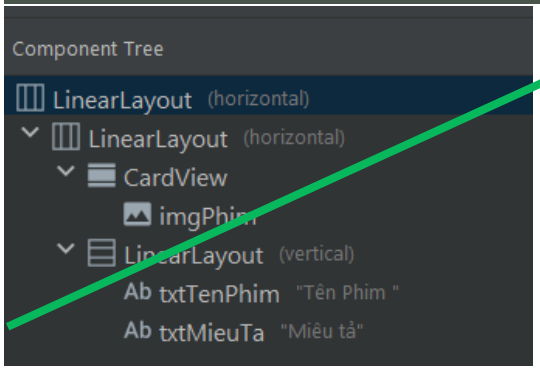
```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:andro
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <androidx.cardview.widget.CardView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        app:cardCornerRadius="30dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <ImageView
            android:id="@+id/imgAnh"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:adjustViewBounds="true"
            app:srcCompat="@drawable/tuhoc1" />
    </androidx.cardview.widget.CardView>
</androidx.constraintlayout.widget.ConstraintLayout>
```

1 RecyclerView kotlin

❑ 5. Step 2: tạo Class OutData lưu trữ các biến cấu trúc của 1 dòng :



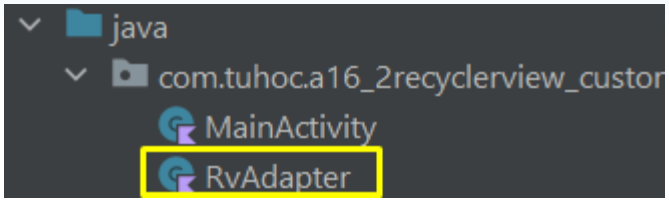





```
class OutData(
    val image:Int,
    val tenphim:String,
    val mieuta:String
) {
}
```

Do layout_item chỉ có 1 phần tử là imgeView nên có thể bỏ qua bước này

1 RecyclerView kotlin



❑ 6. Step 3: tạo Class RvAdapter – ViewHolder :

```
class RvAdapter (private val ds:List<Int>) :
    RecyclerView.Adapter<RvAdapter.ItemViewHolder>() {
    class ItemViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView)

    override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): ItemViewHolder {
        val view = LayoutInflater.from(parent.context).inflate(R.layout.layout_item,parent, attachToRoot: false)
        return ItemViewHolder(view)
    }
    override fun onBindViewHolder(holder: ItemViewHolder, position: Int) {
        holder.itemView.apply { this: View
            imgAnh.setImageResource(ds[position])
        }
    }
    override fun getItemCount(): Int {
        return ds.size
    }
}
```

1 RecyclerView kotlin

❑ 7. Code Mainactivity:

```
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        Xuly()
    }
    private fun Xuly() {
        var ds = mutableListOf<Int>()
        ds.add(R.drawable.tuhoc1)
        ds.add(R.drawable.tuhoc2)
        ds.add(R.drawable.tuhoc3)
        ds.add(R.drawable.tuhoc4)
        ds.add(R.drawable.tuhoc5)
        ds.add(R.drawable.tuhoc6)
        ds.add(R.drawable.tuhoc7)

        rvView.layoutManager = StaggeredGridLayoutManager( spanCount: 2,StaggeredGridLayoutManager.VERTICAL)
        val itemAdapter = RvAdapter(ds)
        rvView.adapter = itemAdapter
    }
}
```