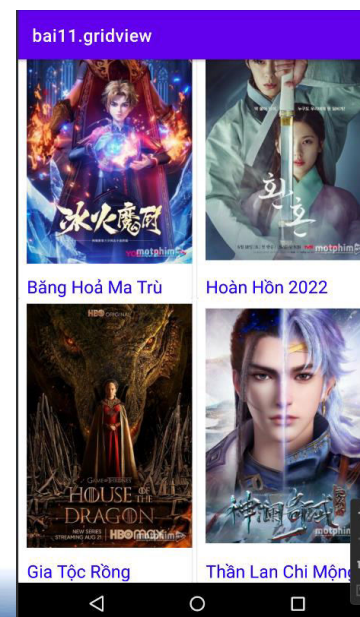
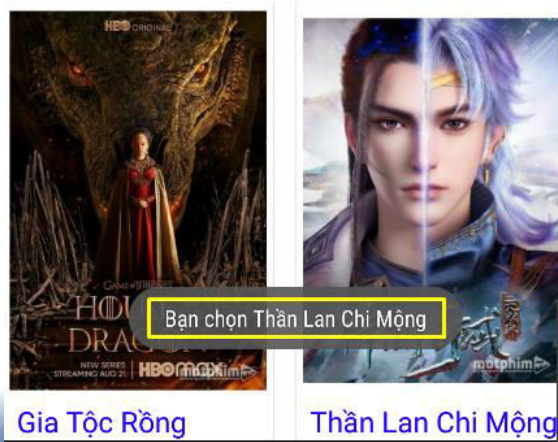


Build Android
App with Kotlin

Android studio
Dễ Hiểu - Dễ học

Android app with kotlin Bài 11

GridView kotlin

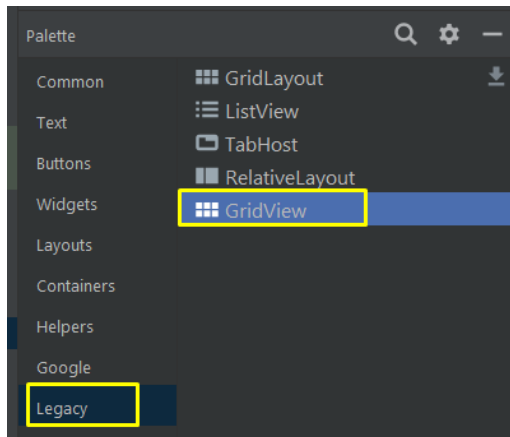


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GridView kotlin

1. GridView:

✓ *id : bắt đầu bằng tiền tố gv Ví dụ : gvPhim*



Item 1 Sub Item 1	Item 2 Sub Item 2
Item 3 Sub Item 3	Item 4 Sub Item 4
Item 5 Sub Item 5	Item 6 Sub Item 6
Item 7 Sub Item 7	Item 8 Sub Item 8
Item 9 Sub Item 9	Item 10 Sub Item 10
Item 11 Sub Item 11	Item 12 Sub Item 12
Item 13 Sub Item 13	Item 14 Sub Item 14
Item 15 Sub Item 15	Item 16 Sub Item 16
Item 17 Sub Item 17	Item 18 Sub Item 18
Item 19 Sub Item 19	Item 20 Sub Item 20
Item 21 Sub Item 21	Item 22 Sub Item 22

```
<GridView
    android:id="@+id/gvPhim"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:numColumns="2" />
```

numColumns : Chia bao nhiêu cột



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GridView kotlin

❑ 2. Các bước xây dựng GridView:

Step 1:
Make xml layout
CustomLayout

Step 2:
Make class
Class OutData

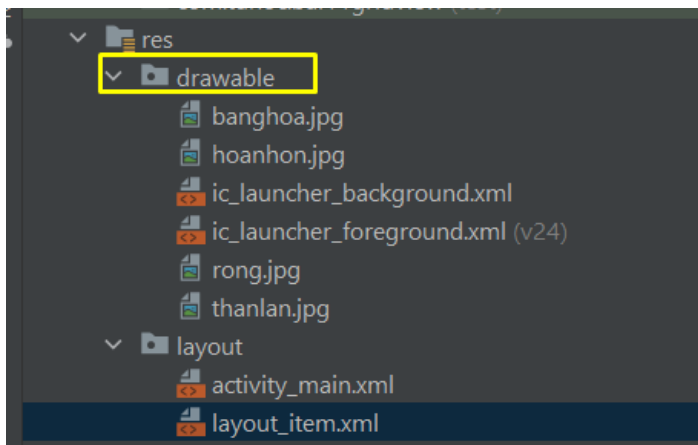
Step 3:
Make Class
CustomGridView



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GridView kotlin

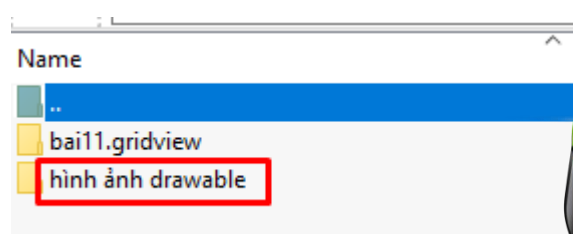
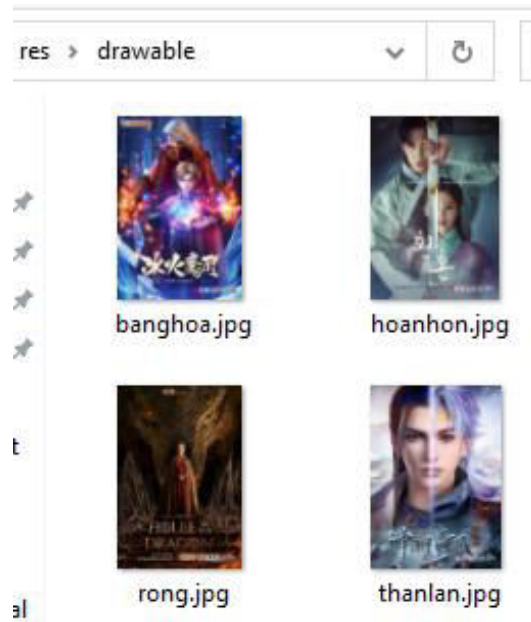
❑ 3. Step 1 - tạo xml layout file tùy chỉnh – Đưa hình ảnh vào drawable:



**Ảnh để trong drawable
và code toàn bộ bài 11**

<http://android.tuhoc.cc/>

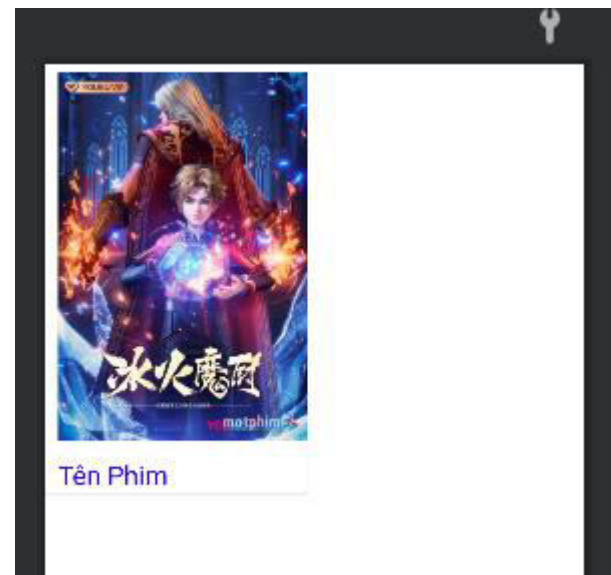
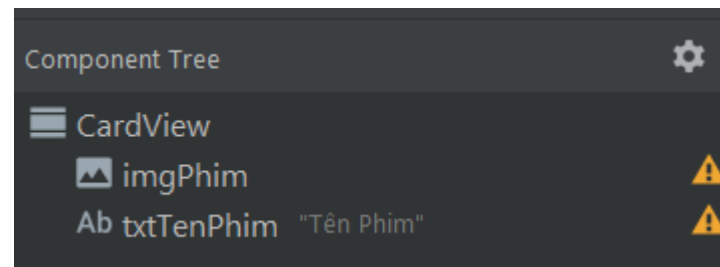
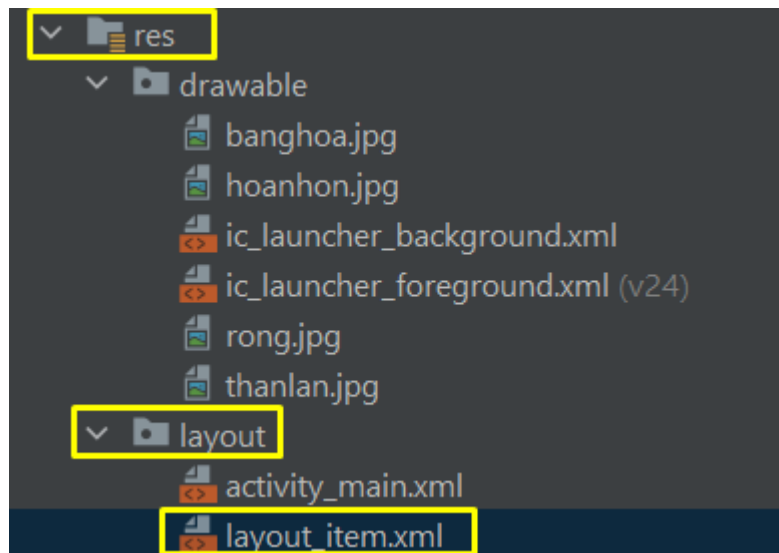
11.bai11-gridview-tuhoc.cc.zip



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GridView kotlin

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



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GridView kotlin

❑ 3. Step 1: tạo xml layout file tùy chỉnh (code trong xml):

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.cardview.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="wrap_content"
    android:padding="2dp"
    android:layout_height="wrap_content">

    <ImageView
        android:id="@+id/imgPhim"
        android:layout_width="190dp"
        android:layout_height="283dp"
        android:padding="5dp"
        app:srcCompat="@drawable/banghoa" />

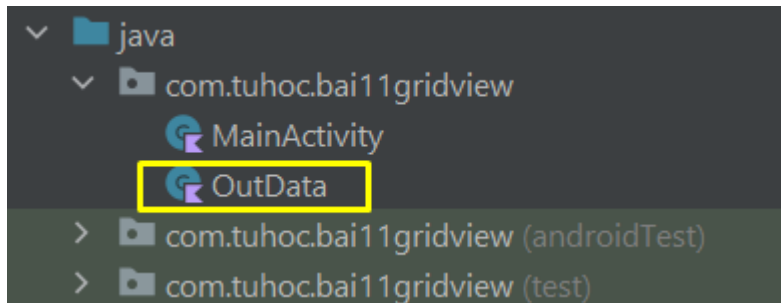
    <TextView
        android:id="@+id/txtTenPhim"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="283dp"
        android:textSize="20sp"
        android:layout_marginStart="10dp"
        android:textColor="#20f"
        android:text="Tên Phim" />
</androidx.cardview.widget.CardView>
```



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GridView kotlin

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



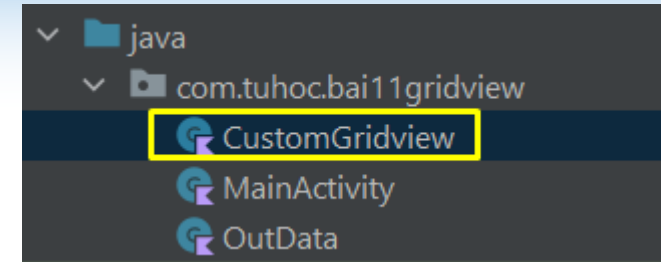
```
class OutData(  
    val images: Int,  
    val tenphim: String  
) {  
}
```



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GridView kotlin

5. Step 3: tạo Class CustomGridView:



```
class CustomGridview (val activity: Activity, val list: List<OutData>) : ArrayAdapter<OutData>(activity, R.layout.layout_item){
    override fun getCount(): Int {
        return list.size
    }
    @SuppressWarnings("ViewHolder")
    override fun getView(position: Int, convertView: View?, parent: ViewGroup): View {
        val contexts = activity.layoutInflater
        //layoutInflater giúp chuyển đổi xml layout thành view trong android
        val rowView = contexts.inflate(R.layout.layout_item, parent, attachToRoot: false)
        val images = rowView.findViewById<ImageView>(R.id.imgPhim)
        val txtTenPhim = rowView.findViewById<TextView>(R.id.txtTenPhim)

        images.setImageResource(list[position].images)
        txtTenPhim.text = list[position].tenphim
        return rowView
    }
}
```



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GridView kotlin

❑ 6. Code Mainactivity:

```
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        //khai báo list danh sách các bộ phim
        var list = mutableListOf<OutData>()
        list.add(OutData(R.drawable.banghoa, tenphim: "Băng Hoả Ma Trù"))
        list.add(OutData(R.drawable.hoanhon, tenphim: "Hoàn Hồn 2022"))
        list.add(OutData(R.drawable.rong, tenphim: "Gia Tộc Rong"))
        list.add(OutData(R.drawable.thanlan, tenphim: "Thần Lan Chi Mộng"))

        val customGV = CustomGridview( activity: this, list)
        gvPhim.adapter=customGV
    }
}
```



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GridView kotlin

❑ 4. GridView. onItemClickListener :

✓ *Lắng nghe xem item nào của gridView được click chọn*

```
//lắng nghe xem item nào được chọn trên gridView
gvPhim.onItemClickListener = AdapterView.OnItemClickListener { adapterView, view, i, l ->
    Toast.makeText(context: this@MainActivity,
        text: "Bạn chọn "+list[i].tenphim,
        Toast.LENGTH_SHORT).show() }
```

