

```

1 package com.example.heroes
2
3 import android.content.Intent
4 import android.view.LayoutInflater
5 import android.view.View
6 import android.view.ViewGroup
7 import android.widget.TextView
8 import android.widget.Toast
9 import androidx.constraintlayout.widget.ConstraintLayout
10 import androidx.recyclerview.widget.RecyclerView
11
12 class HeroAdapter(var dataSet: List<Hero>) :
13     RecyclerView.Adapter<HeroAdapter.ViewHolder>() {
14
15     /**
16      * Provide a reference to the type of views that you are using
17      * (custom ViewHolder)
18      */
19     class ViewHolder(view: View) : RecyclerView.ViewHolder(view) {
20         val textViewName: TextView
21         val textViewDesc: TextView
22         val textViewRanking: TextView
23         val layout: ConstraintLayout
24         init {
25             // Define click listener for the ViewHolder's View
26             textViewName = view.findViewById(R.id.textView_heroitem_name)
27             textViewDesc = view.findViewById(R.id.textView_heroitem_description)
28             textViewRanking = view.findViewById(R.id.textView_heroitem_rank)
29             layout = view.findViewById(R.id.layout_heroitem)
30         }
31     }
32
33     // Create new views (invoked by the layout manager)
34     override fun onCreateViewHolder(viewGroup: ViewGroup, viewType: Int): ViewHolder {
35         // Create a new view, which defines the UI of the list item
36         val view = LayoutInflater.from(viewGroup.context)
37             .inflate(R.layout.item_hero, viewGroup, false)
38
39         return ViewHolder(view)
40     }
41
42     // Replace the contents of a view (invoked by the layout manager)
43     override fun onBindViewHolder(viewHolder: ViewHolder, position: Int) {
44
45         // Get element from your dataset at this position and replace the
46         // contents of the view with that element
47         val hero = dataSet[position]
48         viewHolder.textViewName.text = hero.name
49         viewHolder.textViewDesc.text = hero.description
50         viewHolder.textViewRanking.text = hero.ranking.toString()
51         viewHolder.layout.setOnClickListener{
52             Toast.makeText(it.context,hero.toString(),Toast.LENGTH_SHORT).show()
53             val detailIntent = Intent(it.context, HeroesDetailActivity::class.java)
54             detailIntent.putExtra(HeroesDetailActivity.EXTRA_HERO,hero)
55             it.context.startActivity(detailIntent)
56         }
57     }
58
59     // Return the size of your dataset (invoked by the layout manager)
60     override fun getItemCount() = dataSet.size
61 }
62
63

```