*<!--activity\_main-->*<LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/rv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="0dp"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_weight="1" />  
</LinearLayout>

*<!--activity\_show-->*<androidx.constraintlayout.widget.ConstraintLayout   
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".ShowActivity">  
  
 <ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="365dp"  
 android:layout\_height="355dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="28dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:srcCompat="@android:drawable/alert\_dark\_frame" />  
  
 <Button  
 android:id="@+id/btr"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="156dp"  
 android:layout\_marginTop="464dp"  
 android:text="OK"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

*<!—item\_list-->*

<LinearLayout   
 xmlns:android="http://schemas.android.com/apk/res/android"  
 android:orientation="horizontal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <ImageView  
 android:id="@+id/imgView"  
 android:layout\_width="163dp"  
 android:layout\_height="128dp"  
 android:layout\_marginStart="10dp"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginEnd="10dp"/>  
  
 <TextView  
 android:id="@+id/txtView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="100dp"  
 android:layout\_marginStart="20dp"  
 android:layout\_gravity="center\_vertical"  
 android:layout\_marginTop="5dp"/>  
  
</LinearLayout>

*<!--item\_show-->*<RelativeLayout   
 xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <TextView  
 android:id="@+id/txtName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginEnd="335dp"  
 android:text="TextView" />  
  
 <TextView  
 android:id="@+id/txtPrice"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginEnd="224dp"  
 android:text="TextView" />  
  
 <TextView  
 android:id="@+id/txtQuan"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginEnd="71dp"  
 android:text="TextView" />  
</RelativeLayout>

public class **ArrayAdapter** extends RecyclerView.Adapter<ArrayAdapter.ViewHolder>{  
 private final LayoutInflater inflater;  
 private final ArrayList<Cell> mylst;  
 private ItemClickListener mClickListener;  
  
 public ArrayAdapter(Context context, ArrayList<Cell> mylst) {  
 this.inflater = LayoutInflater.*from*(context);  
 this.mylst = mylst;  
 }  
  
 *// Родительская activity будет вызывать этот метод в ответ на // событие щелчка.* public interface ItemClickListener {  
 void onItemClick(View view, int position);  
 }  
  
 void setClickListener(ItemClickListener itemClickListener) {  
 this.mClickListener = itemClickListener;  
 }  
 @NonNull  
 @Override  
 public ArrayAdapter.ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  
 View view = inflater.inflate(R.layout.*item\_list*, parent, false);  
 return new ViewHolder(view);  
 }  
  
 @Override  
 public void onBindViewHolder(@NonNull ArrayAdapter.ViewHolder holder, int position) {  
 Cell cl = mylst.get(position);  
 holder.imgView.setImageDrawable(cl.getPic());  
 holder.txtView.setText(cl.getStr());  
 }  
  
 @Override  
 public int getItemCount() {  
 return mylst.size();  
 }  
  
 public class ViewHolder extends RecyclerView.ViewHolder implements View.OnClickListener {  
 ImageView imgView;  
 TextView txtView;  
 public ViewHolder(@NonNull View itemView) {  
 super(itemView);  
 imgView = itemView.findViewById(R.id.*imgView*);  
 txtView = itemView.findViewById(R.id.*txtView*);  
 itemView.setOnClickListener(this);  
 }  
  
 @Override  
 public void onClick(View v) {  
 if (mClickListener != null) mClickListener.onItemClick(v, getAdapterPosition());  
 }  
 }  
}

public class **AuxAdapter** extends RecyclerView.Adapter<AuxAdapter.ViewHolder>{  
 private final LayoutInflater inflater;  
 private final ArrayList<SecondList> auxlst;  
 private ItemClickListener mClickListener;  
  
 public AuxAdapter(Context context, ArrayList<SecondList> mylst) {  
 this.inflater = LayoutInflater.*from*(context);  
 this.auxlst = mylst;  
 }  
  
 *// Родительская activity будет вызывать этот метод в ответ на // событие щелчка.* public interface ItemClickListener {  
 void onItemClick(View view, int position);  
 }  
  
 void setClickListener(ItemClickListener itemClickListener) {  
 this.mClickListener = itemClickListener;  
 }  
 @NonNull  
 @Override  
 public AuxAdapter.ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  
 View view = inflater.inflate(R.layout.*item\_show*, parent, false);  
 return new ViewHolder(view);  
 }  
  
 @Override  
 public void onBindViewHolder(@NonNull AuxAdapter.ViewHolder holder, int position) {  
 SecondList sl = auxlst.get(position);  
 holder.txtName.setText(sl.getName());  
 holder.txtPrice.setText(sl.getPrice());  
 holder.txtQuan.setText(sl.getQuan());  
 }  
  
 @Override  
 public int getItemCount() {  
 return auxlst.size();  
 }  
  
 public class ViewHolder extends RecyclerView.ViewHolder implements View.OnClickListener {  
 TextView txtName, txtPrice, txtQuan;  
 public ViewHolder(@NonNull View itemView) {  
 super(itemView);  
 txtName = itemView.findViewById(R.id.*txtName*);  
 txtPrice= itemView.findViewById(R.id.*txtPrice*);  
 txtQuan = itemView.findViewById(R.id.*txtQuan*);  
 itemView.setOnClickListener(this);  
 }  
  
 @Override  
 public void onClick(View v) {  
 if (mClickListener != null) mClickListener.onItemClick(v, getAdapterPosition());  
 }  
 }  
}

public class **Cell** {  
 Drawable pic;  
 String str;  
  
 public Cell(Drawable pic, String str) {  
 this.pic = pic;  
 this.str = str;  
 }  
   
 public String getStr() {  
 return str;  
 }  
  
 public void setStr(String str) {  
 this.str = str;  
 }  
  
 public Drawable getPic() {  
 return pic;  
 }  
  
 public void setPic(Drawable pic) {  
 this.pic = pic;  
 }  
}

public class **MainActivity** extends AppCompatActivity implements ArrayAdapter.ItemClickListener {  
 private final ArrayList<Cell> mylst = new ArrayList<>();  
 com.example.nestedlist.ArrayAdapter adapter;  
 String [] lst = {"Кошки", "Собаки", "Рыбы", "Насекомые"};  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 @SuppressLint({"MissingInflatedId", "LocalSuppress"}) RecyclerView recyclerView= findViewById(R.id.*rv*);*// Связь разметки с кодом* recyclerView.setHasFixedSize(true);  
  
 LinearLayoutManager layoutManager = new LinearLayoutManager(this);  
 recyclerView.setLayoutManager(layoutManager);  
  
 setInitialData();  
*// создаем адаптер* adapter = new ArrayAdapter(this, mylst);  
 adapter.setClickListener(this);  
*// // устанавливаем для списка адаптер* recyclerView.setAdapter(adapter);  
 }  
 @SuppressLint("UseCompatLoadingForDrawables")  
 public void setInitialData() {  
 mylst.add(new Cell(getDrawable(R.drawable.*cat3*), "Кошки"));  
 mylst.add(new Cell(getDrawable(R.drawable.*dog1*), "Собаки"));  
 mylst.add(new Cell(getDrawable(R.drawable.*fish*), "Рыбы"));  
 mylst.add(new Cell(getDrawable(R.drawable.*insect*), "Насекомые"));  
 }  
  
 @Override  
 public void onItemClick(View view, int position) {  
 Intent intent = new Intent(MainActivity.this, ShowActivity.class);  
 int pos = position;  
 *// pos – выбранная позиция, ее надо передать на вторую страницу* intent.putExtra("pos", pos); *// “pos” имя для передачи* this.startActivity(intent);  
 }  
}

public class **SecondList** {  
 String name;  
 int price;  
 int quan;  
  
 public SecondList(int price, int quan) {  
 this.price = price;  
 this.quan = quan;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public int getPrice() {  
 return price;  
 }  
  
 public void setPrice(int price) {  
 this.price = price;  
 }  
  
 public int getQuan() {  
 return quan;  
 }  
  
 public void setQuan(int quan) {  
 this.quan = quan;  
 }  
}

public class **ShowActivity** extends AppCompatActivity implements View.OnClickListener {  
 String[] fname = {"ashera.png", "elf.png", "pers.png", "russblue.png", "sfinx.png", "sibir.png"};  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_show*);  
  
 ImageView img = findViewById(R.id.*imageView*);  
 @SuppressLint({"MissingInflatedId", "LocalSuppress"}) Button btr = findViewById(R.id.*btr*);  
 btr.setOnClickListener(this);  
 *// Прием выбранной позиции с предыдущей страницы* Bundle arguments = getIntent().getExtras();  
 int ind = arguments.getInt("pos");  
 try  
 {  
 *// Получение входного потока* InputStream ims = getAssets().open("Category/Cats/" + fname[ind]);  
 *// load image as Drawable* Drawable d = Drawable.*createFromStream*(ims, null);  
 *// Связать изображение с элементом на экране* img.setImageDrawable(d);  
 img.setScaleType(ImageView.ScaleType.*FIT\_XY*);  
 ims .close();  
 }  
 catch(IOException ignored)  
 {  
 }  
 }  
  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(ShowActivity.this, MainActivity.class);  
 this.startActivity(intent);  
 }  
}