**BÀI VỀ RecyclerView**

Bước 1: import thư viện RecyclerView Bằng cách,

+ Vào File -> Project Structure hoặc nhấn tổ hợp phím Ctrl + Alt + Shift + S.

+ Vào app -> Dependencies nhấn vào dấu cộng (+) -> Chọn Library dependency.

+ Nhập vào ô tìm com.android.supprort:recyclerview-v7:25.1.0 -> nháy OK.

Bước 2: Tạo class DataShop

**public class** DataShop {  
 **private** String **ten**;  
 **private** String **gia**;  
  
 **public** DataShop(String ten, String gia) {  
 **this**.**ten** = ten;  
 **this**.**gia** = gia;  
 }  
  
 **public void** setTen(String ten) {  
  
 **this**.**ten** = ten;  
 }  
  
 **public void** setGia(String gia) {  
 **this**.**gia** = gia;  
 }  
  
 **public** String getTen() {  
  
 **return ten**;  
 }  
  
 **public** String getGia() {  
 **return gia**;  
 }  
}

Bước 3: tạo class ShopAdapter

**public class** ShopAdapter **extends** RecyclerView.Adapter<ShopAdapter.ViewHolder>{  
  
 **private** Context **context**;  
 **private** ArrayList<DataShop> **arrShop**;  
  
 **public void** setContext(Context context) {  
 **this**.**context** = context;  
 }  
  
 **public void** setArrShop(ArrayList<DataShop> arrShop) {  
 **this**.**arrShop** = arrShop;  
 }  
  
 **public** Context getContext() {  
  
 **return context**;  
 }  
  
 **public** ArrayList<DataShop> getArrShop() {  
 **return arrShop**;  
 }  
  
 **public** ShopAdapter(Context context, ArrayList<DataShop> arrShop) {  
 **this**.**context** = context;  
 **this**.**arrShop** = arrShop;  
 }  
  
 @Override  
 **public** ViewHolder onCreateViewHolder(ViewGroup parent, **int** viewType) {  
 LayoutInflater inflater = LayoutInflater.*from*(parent.getContext());  
 View itemView = inflater.inflate(R.layout.***dong\_item***, parent, **false**);  
 **return new** ViewHolder(itemView);  
 }  
  
 @Override  
 **public void** onBindViewHolder(ViewHolder holder, **int** position) {  
 *// Gán giá trị* holder.**txtvTen**.setText(**arrShop**.get(position).getTen());  
 holder.**txtvGia**.setText(**arrShop**.get(position).getGia());  
 }  
  
 @Override  
 **public int** getItemCount() {  
 *// Trả về toàn bộ dữ liệu của ArrayList* **return arrShop**.size();  
 }  
  
 **public class** ViewHolder **extends** RecyclerView.ViewHolder {  
 *// Ánh xạ* **public** TextView **txtvTen**;  
 **public** TextView **txtvGia**;  
 **public** ViewHolder(View itemView) {  
 **super**(itemView);  
  
 **txtvTen** = (TextView) itemView.findViewById(R.id.***txtvTen***);  
 **txtvGia** = (TextView) itemView.findViewById(R.id.***txtvGia***);  
 }  
 }  
}

Bước 4: Tạo CustomLayout:

<**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/txtvTen"**/>  
  
<**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/txtvGia"**/>

Bước 5: Tạo RecyclerView trong main\_activity.xml

<**android.support.v7.widget.RecyclerView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/rvLan1"**>  
  
</**android.support.v7.widget.RecyclerView**>

Bước 6: Quay lại class MainAcitivity

**private** RecyclerView **rvLan1**;  
 **private** ArrayList<DataShop> **arrShop**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 addShow();  
 addEven();  
 }  
  
 **public void** addShow() {  
 **rvLan1** = (RecyclerView) findViewById(R.id.***rvLan1***);  
 **rvLan1**.setHasFixedSize(**true**);  
 }  
  
 **public void** addEven() {  
 LinearLayoutManager layoutManager = **new** LinearLayoutManager(MainActivity.**this**, LinearLayoutManager.***VERTICAL***, **false**);  
 **rvLan1**.setLayoutManager(layoutManager);  
  
 DividerItemDecoration dividerItemDecoration = **new** DividerItemDecoration(MainActivity.**this**, layoutManager.getOrientation());  
 **rvLan1**.addItemDecoration(dividerItemDecoration);  
  
 **arrShop** = **new** ArrayList<>();  
 **arrShop**.add(**new** DataShop(**"Bún Bò"**, **"15000"**));  
 **arrShop**.add(**new** DataShop(**"Bún Riêu"**, **"200000"**));  
  
 ShopAdapter adapter = **new** ShopAdapter(getApplicationContext(), **arrShop**);  
 **rvLan1**.setAdapter(adapter);  
 }  
}