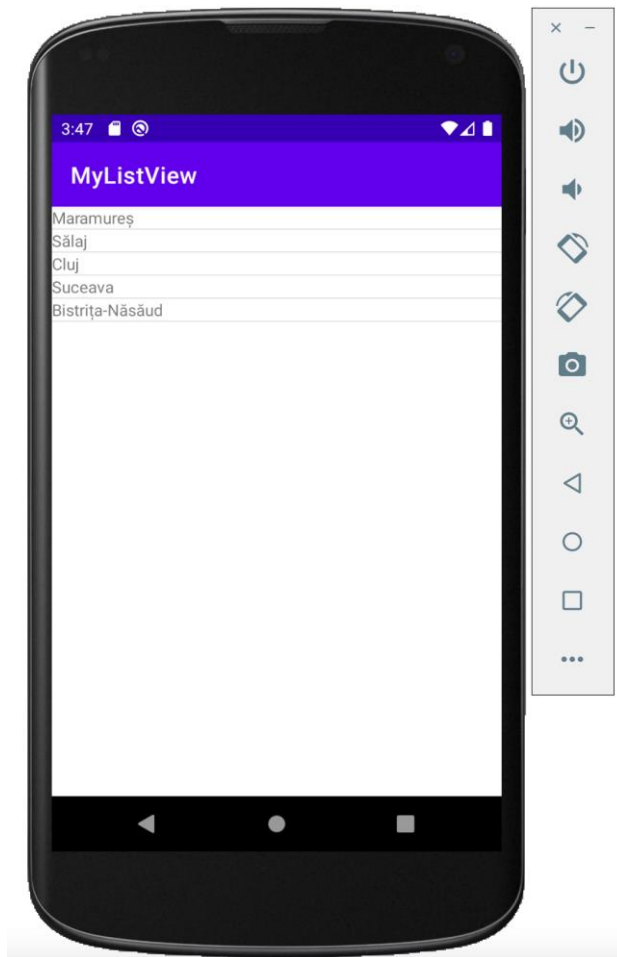


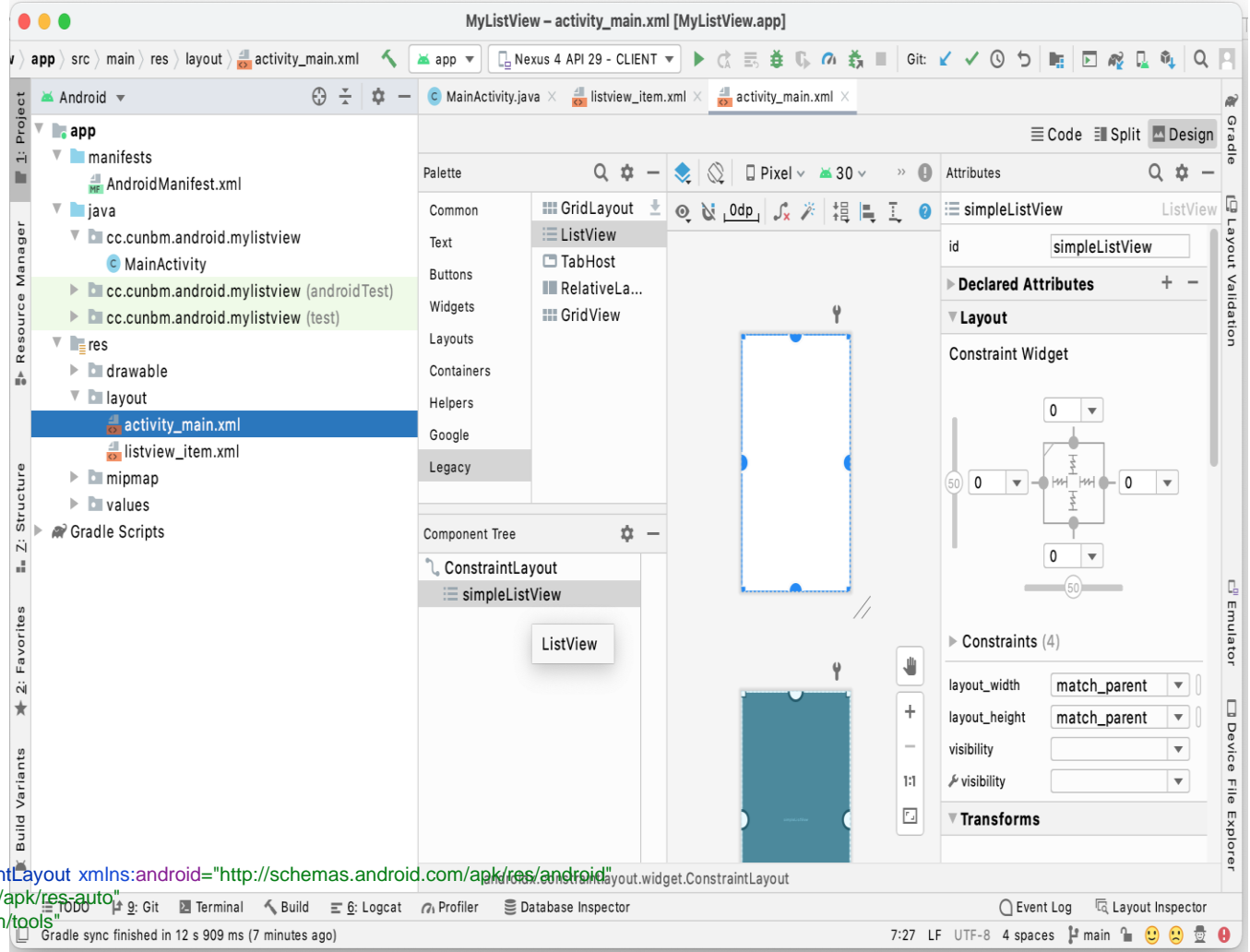
Liste in Android

TEMA: construiti o lista de produse
si afisati detalii pentru fiecare produs
intr-o activitate secundara

MyListView

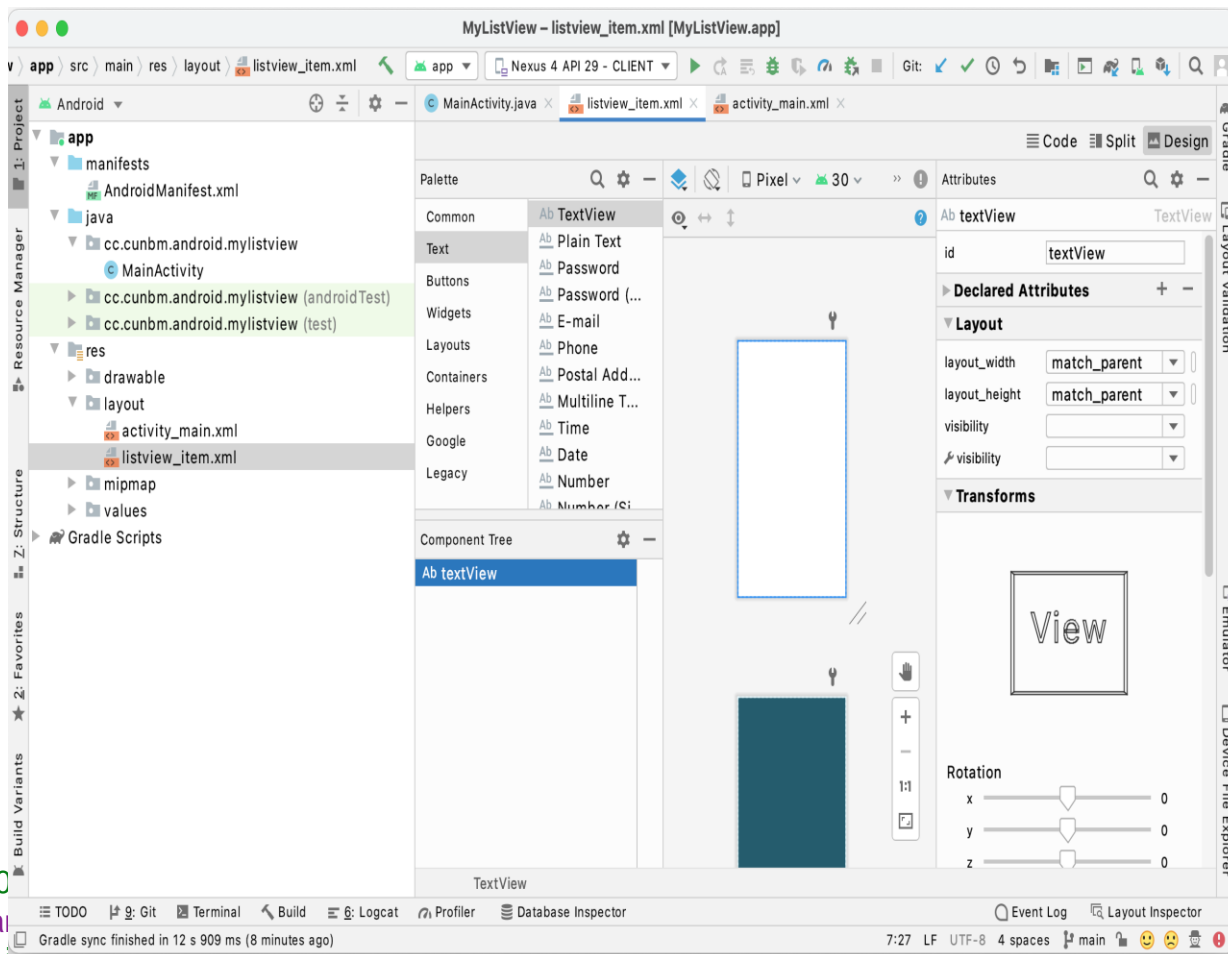


<https://github.com/nucbm/MyListView>



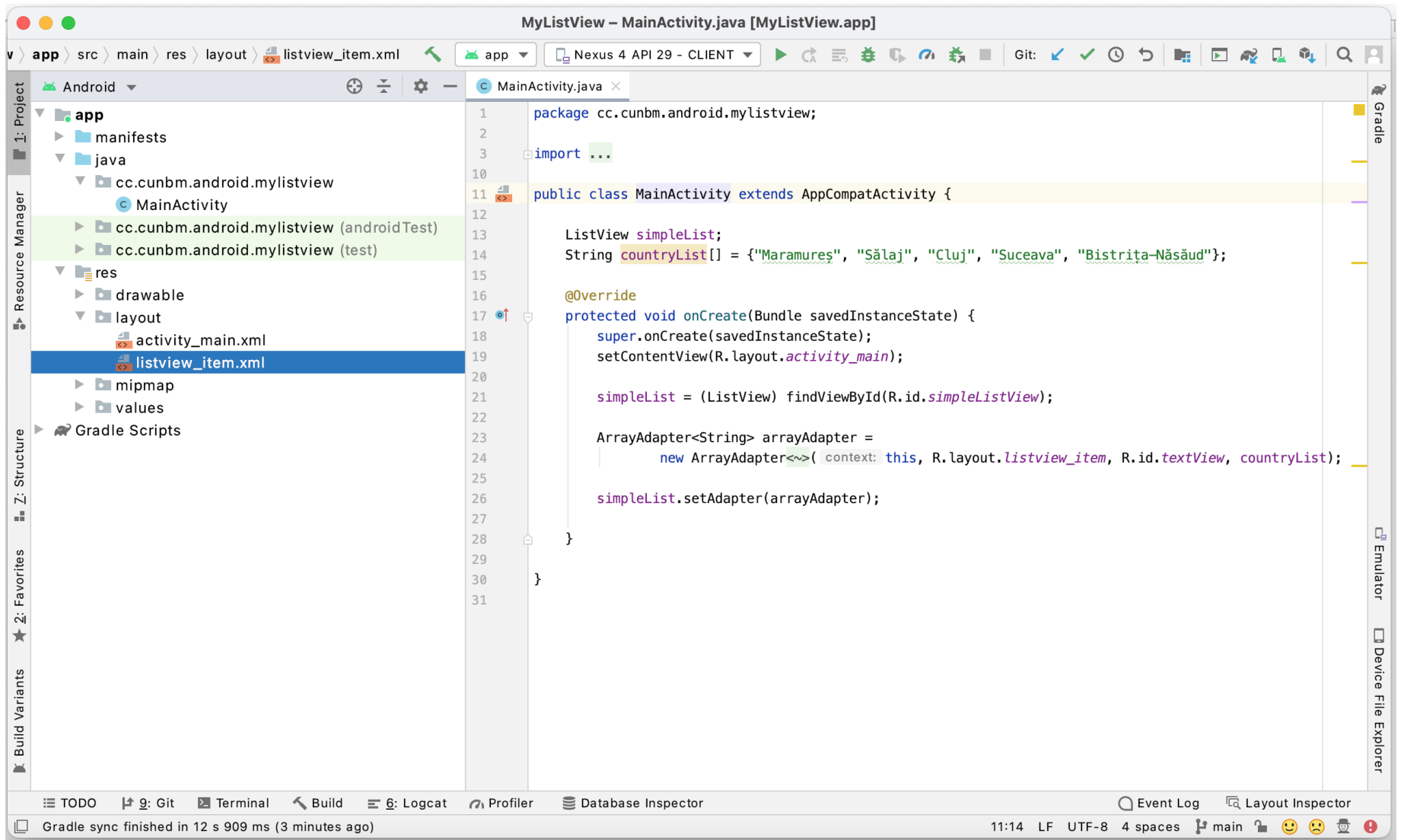
```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
```

```
<ListView
    android:id="@+id/simpleListView"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```



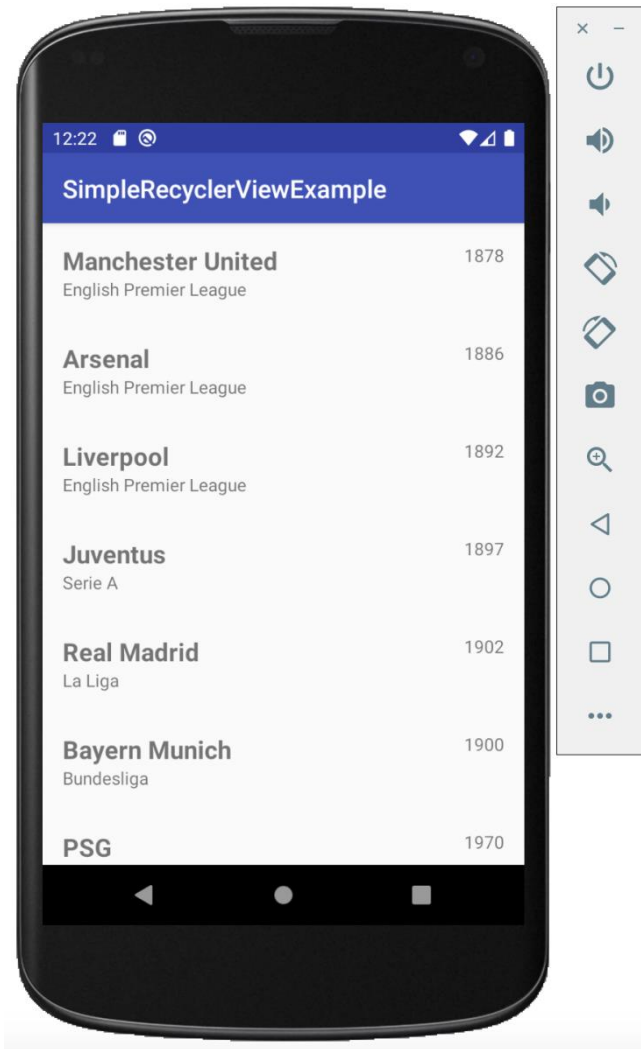
```
<?xml version="1.0"
<TextView xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/textView"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
```

```
</TextView>
```



<https://github.com/nucbm/MyListView>

SimpleRecyclerViewExample



<https://github.com/nucbm/SimpleRecyclerViewExample>

<http://cti.ubm.ro/cmo/04/03%20-%20SimpleRecyclerViewExample.zip>

SimpleRecyclerViewExample [~/Desktop/SimpleRecyclerViewExample] - build.gradle (:app)

SimpleRecyclerViewExample > app > build.gradle

Android

app

manifests

AndroidManifest.xml

java

com.example.simplerecyclerviewexample

FootballTeam

MainActivity

MyAdapter

com.example.simplerecyclerviewexample (android)

com.example.simplerecyclerviewexample (test)

res

drawable

ic_launcher_background.xml

ic_launcher_foreground.xml (v24)

layout

activity_main.xml

row.xml

mipmap

values

Gradle Scripts

build.gradle (Project: SimpleRecyclerViewExample)

build.gradle (Module: app)

gradle-wrapper.properties (Gradle Version)

proguard-rules.pro (ProGuard Rules for app)

gradle.properties (Project Properties)

settings.gradle (Project Settings)

local.properties (SDK Location)

1: Project

Build Variants

2: Favorites

Structure

build.gradle (:app)

You can use the Project Structure dialog to view and edit your project configura... Open (⌘;) Hide notification

```
1  apply plugin: 'com.android.application'
2
3  android {
4      compileSdkVersion 26
5      defaultConfig {
6          applicationId "com.example.simplerecyclerviewexample"
7          minSdkVersion 15
8          targetSdkVersion 26
9          versionCode 1
10         versionName "1.0"
11         testInstrumentationRunner "android.support.test.runner.AndroidJUnitRunner"
12     }
13     buildTypes {
14         release {
15             minifyEnabled false
16             proguardFiles getDefaultProguardFile('proguard-android.txt'), 'proguard-rules.pro'
17         }
18     }
19 }
20
21 dependencies {
22     implementation fileTree(dir: 'libs', include: ['*.jar'])
23     implementation 'com.android.support:appcompat-v7:26.1.0'
24     implementation 'com.android.support.constraint:constraint-layout:1.1.2'
25     implementation 'com.android.support:recyclerview-v7:26.1.0'
26     testImplementation 'junit:junit:4.12'
27     androidTestImplementation 'com.android.support.test:runner:1.0.2'
28     androidTestImplementation 'com.android.support.test.espresso:espresso-core:3.0.2'
29 }
30
```

dependencies{}

Device File Explorer

Logcat

Terminal

Build

TODO

Layout Inspector

Event Log

Gradle sync finished in 12 s 354 ms (2 minutes ago)

25:57 CRLF UTF-8 4 spaces

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.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="com.example.simplerecyclerviewexample.MainActivity">

<android.support.v7.widget.RecyclerView
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:id="@+id/rvFootballTeamInfo"
    android:scrollbars="vertical"
    ></android.support.v7.widget.RecyclerView>

</android.support.constraint.ConstraintLayout>
```



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:paddingBottom="16dp"    android:paddingLeft="16dp"
    android:paddingRight="16dp"    android:paddingTop="16dp" >

    <TextView
        android:id="@+id/tvName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        tools:text="Team Name"
        android:textSize="20dp"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/tvLeague"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        tools:text="Team League"
        android:layout_below="@id/tvName" />

    <TextView
        android:id="@+id/tvYear"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        tools:text="1999"
        android:layout_alignParentRight="true"
        />

</RelativeLayout>
```

```
package com.example.simplerecyclerviewexample;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.LinearLayoutManager;
import android.support.v7.widget.RecyclerView;
import java.util.ArrayList;
import java.util.List;

public class MainActivity extends AppCompatActivity {
    RecyclerView rvTeams;
    List<FootballTeam> teamList = new ArrayList<>();
    MyAdapter adapter;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        rvTeams = (RecyclerView) findViewById(R.id.rvFootballTeamInfo);
        setTeamData();
    }
}
```

```
    adapter = new MyAdapter(teamList);
    RecyclerView.LayoutManager manager =
        new LinearLayoutManager(getApplicationContext());
    rvTeams.setLayoutManager(manager);
    rvTeams.setAdapter(adapter);
}
```

```
private void setTeamData() {
    FootballTeam team = new FootballTeam("Manchester United",
        "English Premier League", 1878);
    teamList.add(team);

    team = new FootballTeam("Arsenal", "English Premier League", 1886);
    teamList.add(team);
    ..
    team = new FootballTeam("PSG", "France Ligue 1", 1970);
    teamList.add(team);
    team = new FootballTeam("Ajax", "Eredivisie", 1900);
    teamList.add(team);
}
}
```

```
package com.example.simplerecyclerviewexample;

import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.LinearLayout;
import android.widget.TextView;

import java.util.List;

public class MyAdapter extends RecyclerView.Adapter<MyAdapter.ViewHolder> {

    public List<FootballTeam> teamList;

    public MyAdapter(List<FootballTeam> footballTeamList) {
        teamList = footballTeamList;
    }
}
```

```
public class ViewHolder extends RecyclerView.ViewHolder {  
    TextView name, league, yearEstablished;
```

```
    public ViewHolder(View itemView) {  
        super(itemView);  
        name = (TextView) itemView.findViewById(R.id.tvName);  
        league = (TextView) itemView.findViewById(R.id.tvLeague);  
        yearEstablished = (TextView) itemView.findViewById(R.id.tvYear);  
    }  
}
```

```
public MyAdapter.ViewHolder onCreateViewHolder(ViewGroup parent, int viewType) {  
    View view = LayoutInflater.from(parent.getContext()).inflate(R.layout.row,parent, false);  
    return new ViewHolder(view);  
}
```

```
@Override
```

```
public void onBindViewHolder(MyAdapter.ViewHolder holder, int position) {  
    holder.name.setText(teamList.get(position).getName());  
    holder.league.setText(teamList.get(position).getLeague());  
    holder.yearEstablished.setText(String.valueOf(teamList.get(position).getYearEstablished()));  
}
```

```
@Override
```

```
public int getItemCount() {  
    return teamList.size();  
}
```

```
}
```