**CardView on Android**

[CardView](https://developer.android.com/reference/android/support/v7/widget/CardView.html) extends the [FrameLayout](https://developer.android.com/reference/android/widget/FrameLayout.html) class and lets you show information inside cards that have a consistent look across the platform. [CardView](https://developer.android.com/reference/android/support/v7/widget/CardView.html) widgets can have shadows and rounded corners.

To create a card with a shadow, use the **card\_view:cardElevation attribute**. [CardView](https://developer.android.com/reference/android/support/v7/widget/CardView.html) uses real elevation and dynamic shadows on Android 5.0 (API level 21) and above and falls back to a programmatic shadow implementation on earlier versions.

Use these properties to customize the appearance of the [CardView](https://developer.android.com/reference/android/support/v7/widget/CardView.html) widget:

* To set the corner radius in your layouts, use the **card\_view:cardCornerRadius** attribute.
* To set the corner radius in your code, use the **CardView.setRadius** method.
* To set the background color of a card, use the **card\_view:cardBackgroundColor** attribute.

You can use the **RecyclerView** and **CardView** widgets on devices that run older versions of Android by adding the following lines to the **dependencies** section in your project's **build.grade** file:

|  |  |
| --- | --- |
| 1  2 | compile 'com.android.support:cardview-v7:21.0.+'  compile 'com.android.support:recyclerview-v7:21.0.+' |

A CardView is a ViewGroup. Like any other ViewGroup, it can be added to yourActivity or Fragment using a layout XML file.

To create an empty CardView, you would have to add the following code to your layout XML as shown in the following snippet:

|  |  |
| --- | --- |
|  | <android.support.v7.widget.CardView          xmlns:card\_view="<http://schemas.android.com/apk/res-auto>"          android:layout\_width="match\_parent"          android:layout\_height="wrap\_content">  </android.support.v7.widget.CardView> |

**Example**

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:orientation="vertical"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="nnk.com.cwp32.MainActivity"**>  
  
 <**android.support.v7.widget.CardView  
 android:background="#123"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**RelativeLayout  
 android:background="#74b4f5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="100dp"**>  
  
 <**ImageView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 android:src="@drawable/sample\_7"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:id="@+id/imageView"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:text="DOG 1"  
 android:id="@+id/textView"  
 android:layout\_alignTop="@+id/imageView"  
 android:layout\_toRightOf="@+id/imageView"  
 android:layout\_toEndOf="@+id/imageView"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textAppearance="?android:attr/textAppearanceSmall"  
 android:text="A Simple Dog one"  
 android:id="@+id/textView2"  
 android:layout\_centerVertical="true"  
 android:layout\_toRightOf="@+id/imageView"  
 android:layout\_toEndOf="@+id/imageView"** />  
  
 </**RelativeLayout**>  
 </**android.support.v7.widget.CardView**>  
  
 <**android.support.v7.widget.CardView  
 android:layout\_marginTop="5dp"  
 android:background="#123"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**RelativeLayout  
 android:background="#e5ff4f"  
 android:layout\_width="match\_parent"  
 android:layout\_height="100dp"**>  
  
 <**ImageView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 android:src="@drawable/sample\_7"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:id="@+id/imageView2"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:text="Dog 2"  
 android:id="@+id/textView3"  
 android:layout\_alignTop="@+id/imageView2"  
 android:layout\_toRightOf="@+id/imageView2"  
 android:layout\_toEndOf="@+id/imageView2"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textAppearance="?android:attr/textAppearanceSmall"  
 android:text="A Simple Dog Two"  
 android:id="@+id/textView4"  
 android:layout\_centerVertical="true"  
 android:layout\_toRightOf="@+id/imageView2"  
 android:layout\_toEndOf="@+id/imageView2"** />  
 </**RelativeLayout**>  
 </**android.support.v7.widget.CardView**>  
</**LinearLayout**>