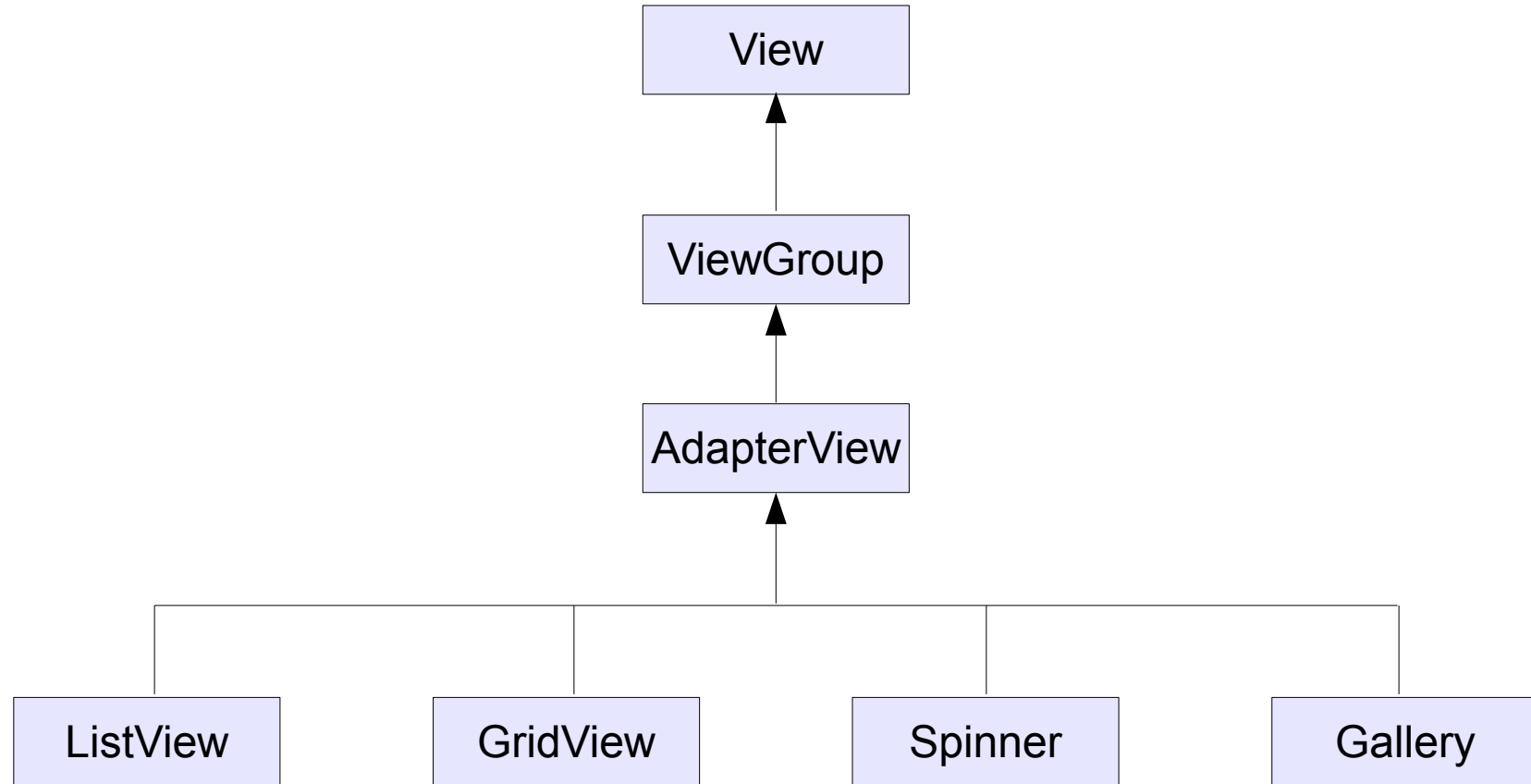


Adapters

Introduction

- ❖ The adapters assist with binding the data and the user interface controls.
- ❖ The adapters are available for those views that extends the `AdapterView` **class**: `ListView`, `GridView`, `Spinner` **and** `Gallery`.

Classes Hierarchy



The Adapter Purpose

- ❖ The purpose of having an adapter is to use it for providing the child views for the container.

The SimpleCursorAdapter Class

- ❖ The SimpleCursorAdapter object provides the ListView object with the TextView objects that should be displayed.

The ArrayAdapter Class

- ❖ The `ArrayAdapter` is the simplest of all adapters on the android platform.
- ❖ We use this adapter for providing lists with their items.
- ❖ When using this adapter it is assumed that `TextView` controls represent the list items.

The ArrayAdapter Class

- ❖ Instantiating the `ArrayAdapter` class usually looks as the following code sample.

```
...  
ArrayAdapter<String> adapter = new ArrayAdapter<String>(  
    this,  
    android.R.layout.simple_list_item_1,  
    new String[]{"red", "green", "orange", "yellow", "blue"});  
...
```