Android course

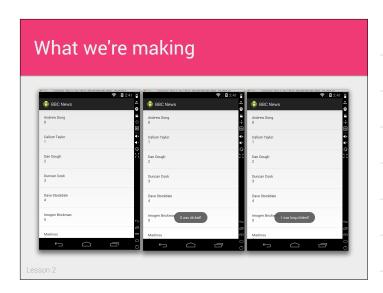
Lesson two

By Callum Taylor with help from Tim Mathews and Matt Allen

Introduction

- All slides can be found over at slideshare.net/3sidedcube/android-course-lesson2-45477308
- Twitter/Github @scruffyfox / @3sidedcube
- All code for this lesson can be found over at github.com/3sidedcube/Android-BBCNews/tree/Lesson-2

Lesson :



What we're making

- · Fragments
- · List views (and recycler views)
- · ArrayAdapter/BaseAdapter
- · ViewHolder pattern
- · "Tablet" landscape handling

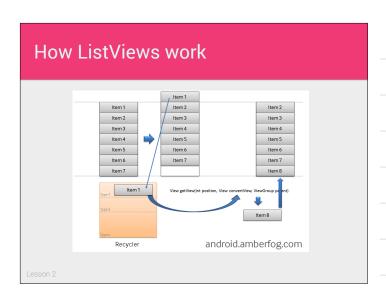
Lesson :

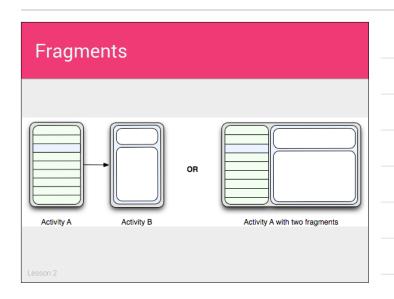




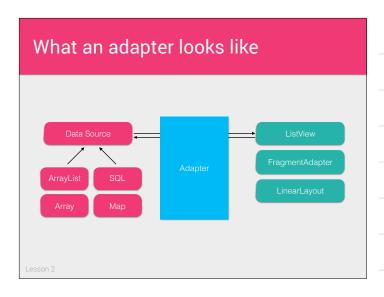








How adapters work Adapters are awesome It's an interface · Standard, generic way to control a dataset and views (MVC) · Very customisable · You can write your own "adapters"



Adapter methods

- · getCount()
- getItem(int pos)
- · getItemId(int pos)
- getView(int pos, View convertView, ViewGroup parent)

Lesson 2

Title Text
 getCount() Exactly what it says, returns the number of items in the
data set
Lesson 2
Title Toyt
Title Text
• getItem(int position)
• getItem(int position)
• getItem(int position)
• getItem(int position)
getItem(int position) Returns the item at the given position from the data set
• getItem(int position)

Title Text

getItemId(int position)

Returns the an optional ID of the item at the given position.

ID/Representation of the item to increase performance of the list view

esson 2

Title Text

getView(int position, View convertView, ViewGroup parent)

Returns the view in the list. This is where we do all of our data/view inflation for the list to display on screen

position is the position of the item in the data list convertView is the view that will be shown parent is the parent view of the view being shown (usually the list view)

Lesson