
TUTORIAL 10

1. Start up Android Studio and open an existing project containing a `ListActivity` or create a new project with a `ListActivity` showing a list of items (using appropriate values for package name, minimum SDK version and default activity).
2. Make sure that the list items are non-trivial, i.e. they should be of a class with multiple attributes. Examples would be `User` (id, username, password), `Book` (title, author, isbn), etc.
 - define your item class
 - adapt the list item layout used by the `ListActivity` accordingly
 - use a simple `ArrayList` of your items to back your list adapter
 - make sure your items display well in the `ListActivity`
3. Implement the `Parcelable` interface for your item class
 - use this week's slides for reference (read the example `Parcelables` on My Studies and the lecture slides tutorial section that explains key code used in `Parcelable` example 3).
 - look at the `Parcelable` reference:
<https://developer.android.com/reference/android/os/Parcelable.html>
4. Create a second Activity that can display an item's details
 - create the Activity class
 - create the layout
 - add a Close button that ends the Activity by calling `finish()` and returns to the `ListActivity`
5. Modify your `ListActivity` to implement the `OnItemClickListener` interface described at <https://developer.android.com/reference/android/widget/AdapterView.OnItemClickListener.html>
 - change your class definition
 - implement the method `onItemClick()`
 - create an Intent that starts the detail Activity
 - pass the selected item to the detail Activity as an Intent Extra