

Android - ItemClickSupport

- ItemClickSupport provides custom listener support for View or Layout
- Although being a great class for building custom list interfaces, there are no inbuilt support for enabling onClicks in RecyclerView.
- We can call the onClick in Adapter to enable passing the listener interface but that is too complicated and also increases coupling with the adapter.
- Might be a cause to slow down scrolling of RecyclerView and hence impact overall performance.
- An Adapter is the data model that manages the data for the list. It should be responsible for handling the data and not the listener interfaces. It is good practice to thrive for loosely coupled and modular code.

- Its better to provide the onClick on the item in the RecyclerView or the **ViewHolder**.
- This mechanism helps avoid passing around of click listeners.
- The underlying implementation for the click support is done using the same **View.OnClickListener** and **View.OnLongClickListener** but the logic is abstracted and decoupled from RecyclerView and Adapter respectively

Benefits

- Better scrolling performance
- Decoupled code
- Easy to unit test

References

- [Creating Lists and Cards](#)
- [RecyclerView](#)
- [RecyclerView.Adapter](#)
- [View.OnClickListener](#)

Exercise

- Add click support on RelativeLayout or LinearLayout using the ItemClickSupport