

# PicNThrow With Bluetooth

## Preparation

### ◆ onCreate:

1. Assign *Character\_IDLER* to *Character*. It represents that the user doesn't send or receive a file. The other two are *Character\_RECEIVER* and *Character\_SENDER*.
2. Assign *mBluetoothAdapter.getName()* to *originalName*. Store the Bluetooth name of the local device in order to reset the Bluetooth name after transfer.

### ◆ onStart:

If Bluetooth is enabled, create *BluetoothService* to *mBluetoothService*. If it's not enabled, use *startActivityForResult(Intent, int)* to request for Bluetooth activation and construct *BluetoothService* in *onActivityResult(int, int, Intent)*.

### ◆ onDestroy:

Assign *null* to *mBluetoothService* if is not null, which terminates *BluetoothService*.

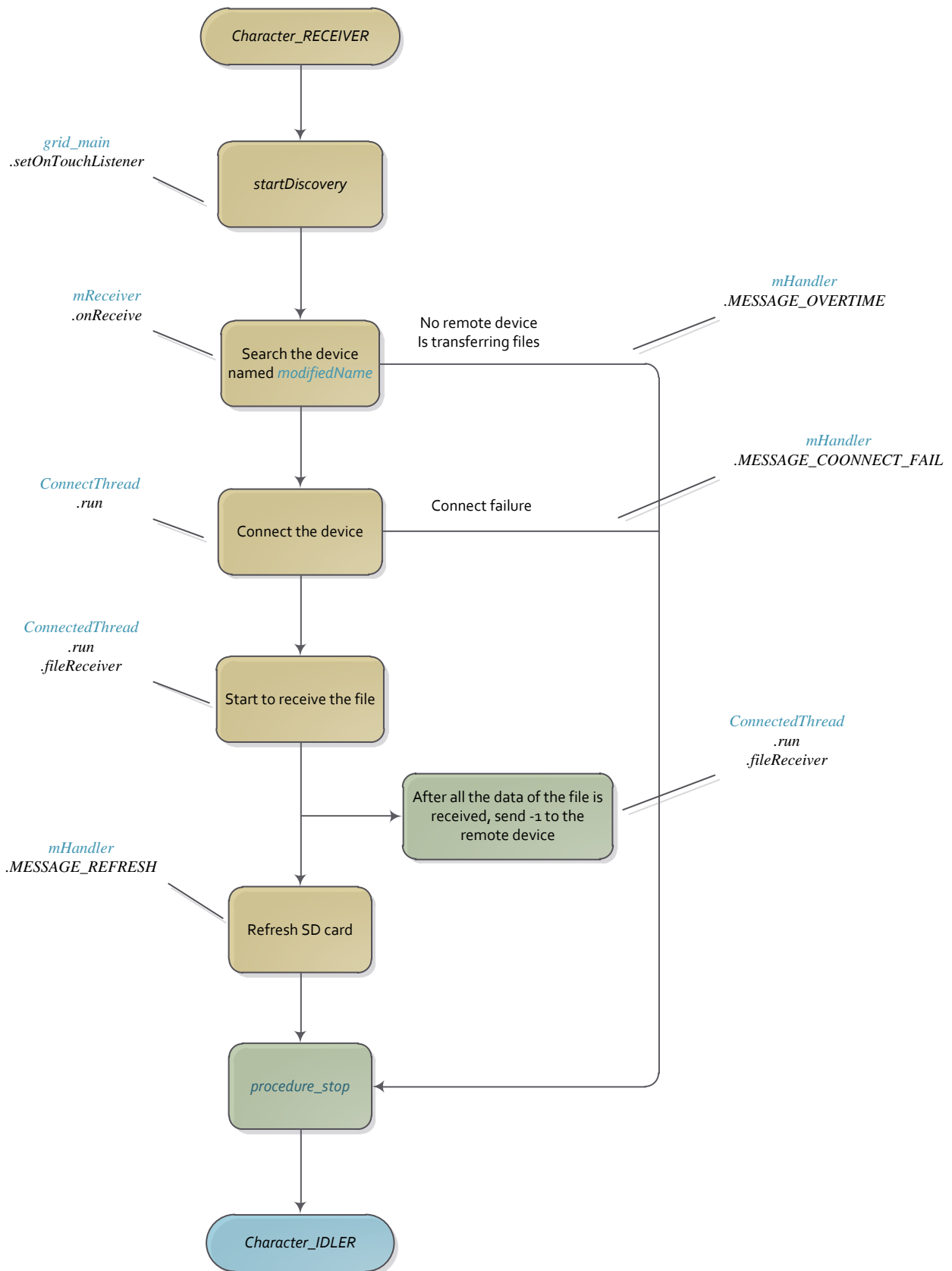
### ◆ onBackPressed:

In the predecessor of PicNThrow, known as MyTransfer, there is a problem with the renewal of the grid view after the transfer is finished. In MyTransfer, we open the selected directory by starting a new activity. Although some activities are accumulated in the activity stack, there is only one kind of activity. After the transfer is finished, we make *grid\_main* call its member function *setAdapter(BaseAdapter)* to renew the grid view. Unfortunately nothing happens to the grid view. We must go back and then move in again to witness the renewal. The possible reason is that Android is confused by multiple contexts so that it picks the wrong one, usually the previous one, to renew.

To solve his problem, we make only one context exist. Therefore we finish the present activity after going to the next one, and return to the last one by *startActivity(Intent)* with the present one finished. The result is successful.

## Main Flow Chart

◆ Receiver



◆ Sender

