

Code Smells:

1. Duplicate Code – Items , Contacts and their related classes have a similar structure. This can give rise to duplicate code as below:

ContactList and itemList – save and load methods.

Refactoring – We can make a utility class and store these methods.

2. Data Clump

EditItemActivity , AddItemActivity – Too many instance variables :

```
private EditText title;
    private EditText maker;
    private EditText description;
    private EditText length;
    private EditText width;
    private EditText height;
    private Spinner borrower_spinner;
    private TextView borrower_tv;
    private Switch status;
    private EditText invisible;
```

Refactoring – Make a new class to store these. Add constructor to initialize them as is done in the onCreate method.

