

# Application Conventions

1. The application integrates Gradle, if you don't understand the file/folder layout I suggest going to the Android Gradle project structure that is defined on the [Android Gradle plugin user guide](#).
2. Never ignore exceptions, ever.
3. Fully qualify any needed imports ie **import foo.Bar;** is good, **import foo.\*;** is bad
4. Fields should be defined at the **top of the file**

Example:

```
public class MyClass {  
    public static final int SOME_CONSTANT = 42;  
    public int publicField;  
    private static MyClass sSingleton;  
    int mPackagePrivate;  
    private int mPrivate;  
    protected int mProtected;
```

5. Limit the scope of all variables as much as possible. Local variables should be declared at the point they are first used
6. Code lines should not exceed 100 characters.
7. Functions should have clear, understandable names ie `onButtonClick()`
8. COMMENT, COMMENT, COMMENT. So many people will be reading your code, make it very clear what everything does.

## Naming convention for XML files:

activity\_<ACTIVITY NAME>.xml - for all activities  
dialog\_<DIALOG NAME>.xml - for all custom dialogs  
row\_<LIST\_NAME>.xml - for custom row for listview  
fragment\_<FRAGMENT\_NAME>.xml - for all fragments  
Naming convention for component/widget in xml files:

All components for X activity must start with the activity name all component should have prefix or short name like btn for Button For example, name for login activity component should be like following.

activity\_login\_btn\_login  
activity\_login\_et\_username  
activity\_login\_et\_password

Short name of major components:

Button - btn  
EditText - et  
TextView - tv

ProgressBar - pb  
Checkbox - chk  
RadioButton - rb  
ToggleButton - tb  
Spinner - spn  
Menu - mnu  
ListView - lv  
GalleryView - gv  
LinearLayout - ll  
RelativeLayout - rl

Modification of Ribot's android guidelines

[https://github.com/ribot/android-guidelines/blob/master/project\\_and\\_code\\_guidelines.md](https://github.com/ribot/android-guidelines/blob/master/project_and_code_guidelines.md)

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