

CODE RULES



ENAC
IATSED PROJECT SELESTER 8

Tools

IDE : IntelliJ IDEA

SDK : Java JDK 1.8

Plugin(s) : ...

Points to Follow

Additionally to the basic rules proposed by IntelliJ, a set of rules must be followed by the whole team to create a homogeneity in the project:

Code style issues:

- `size() == 0` can be replaced with `'isEmpty()'`
- Unnecessary `'this'` qualifier
- Unnecessary qualifier for `'this'` or `'super'`

Naming conventions:

- Local variable naming convention: camelCase

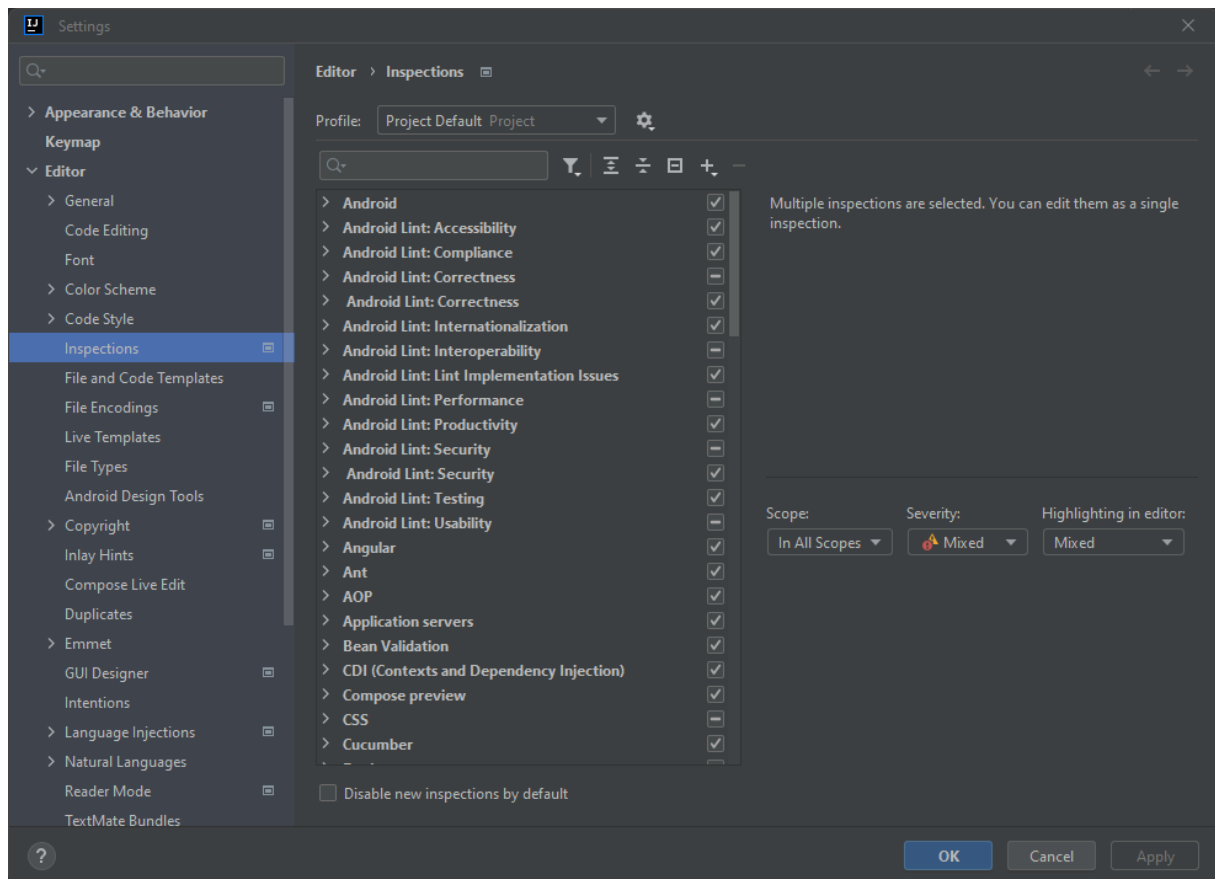
Class metrics:

- Overly complex class: The cyclomatic complexity total of a class must not be superior than 80
- Overly coupled class: The coupling limit total of a class must not be superior than 15

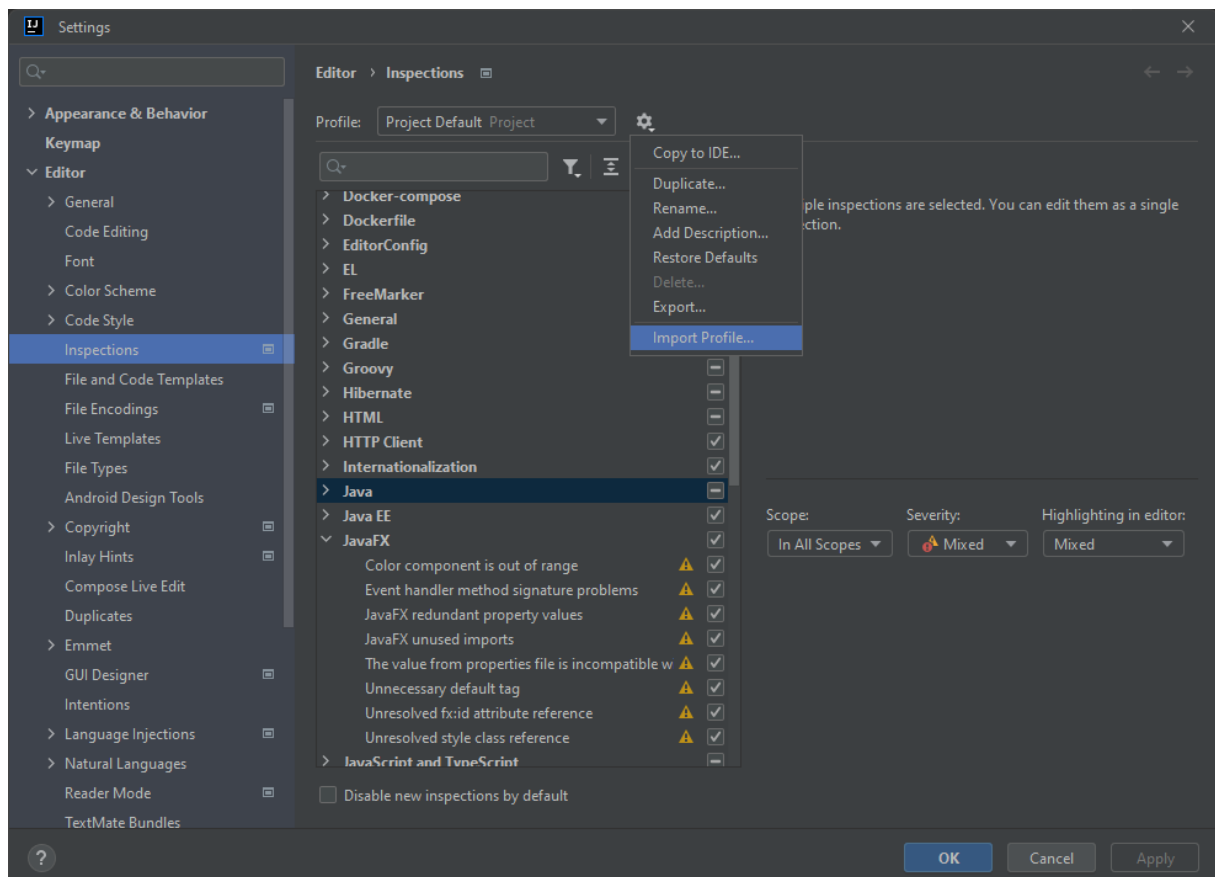
IntelliJ XML File

To respect those rules, a pre-defined XML file is proposed. This file can be found in `/project_root/Documentations/Project_Default.xml`. This is a set of rules that can import into IntelliJ, allowing the appearance of warnings when the code do not respect the rules to be applied.

To import this file, enter **CTRL + ALT + S**.



Then, click on the gear next to “Profile: Project Default” at the top. Then, click on “Import Profile”.



Find the Project_Default.xml file proposed in /project_root/Documentations. Click on “Apply”.