

Java Coding Standards

Version: 5.11-CO::1

May 31, 2019



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CHAPTER 1: INTRODUCTION

The aim of this document is to establish the coding standard and set of tools to be used to verify and enforce the usage.

CHAPTER 2: CODING STANDARD PROPOSAL

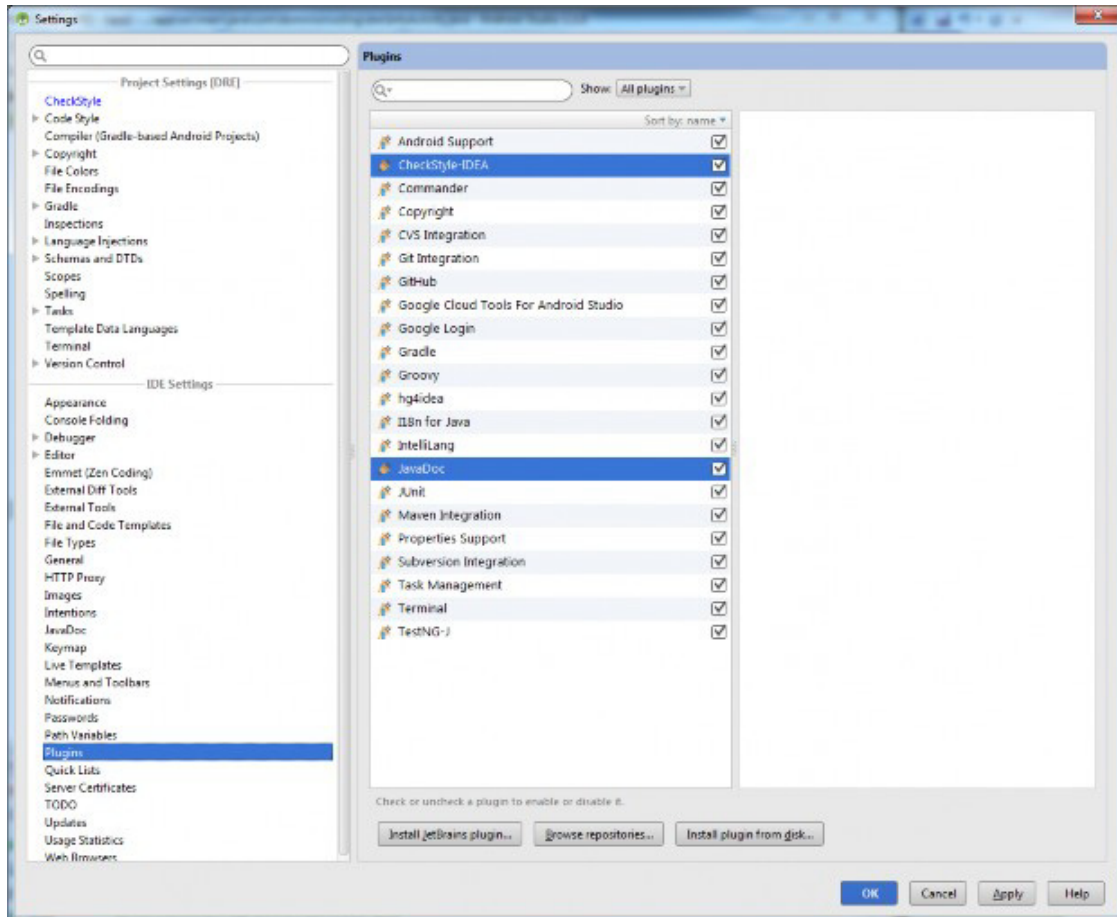
Proposed document standard can be found here:

<https://google-styleguide.googlecode.com/svn/trunk/javaguide.html>

CHAPTER 3: DEVELOPMENT TOOLS

There are two IntelliJ (Android Studio) plugins:

- JavaDoc
- CheckStyle-IDEA



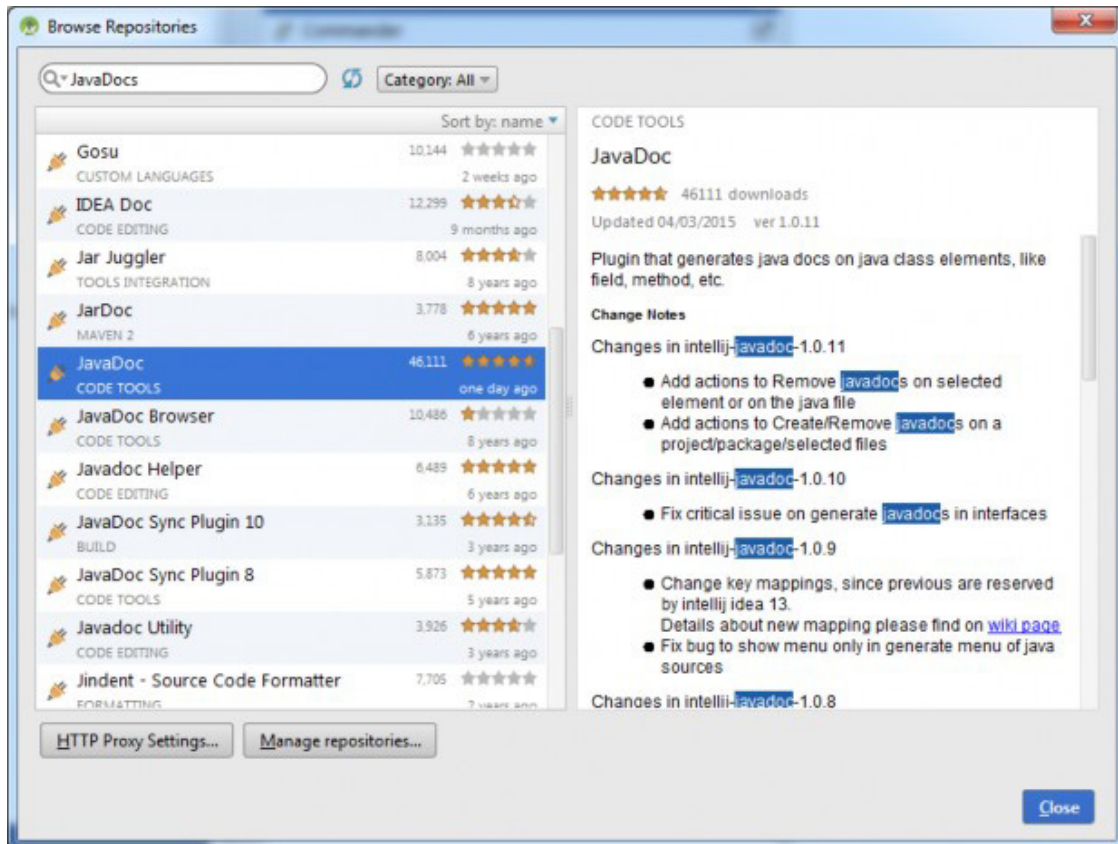
3.1 JavaDoc – IntelliJ (Android Studio) plugin

This tool is used to generate JavaDoc comments for public methods.

<http://setial.github.io/intellij-javadocs/>

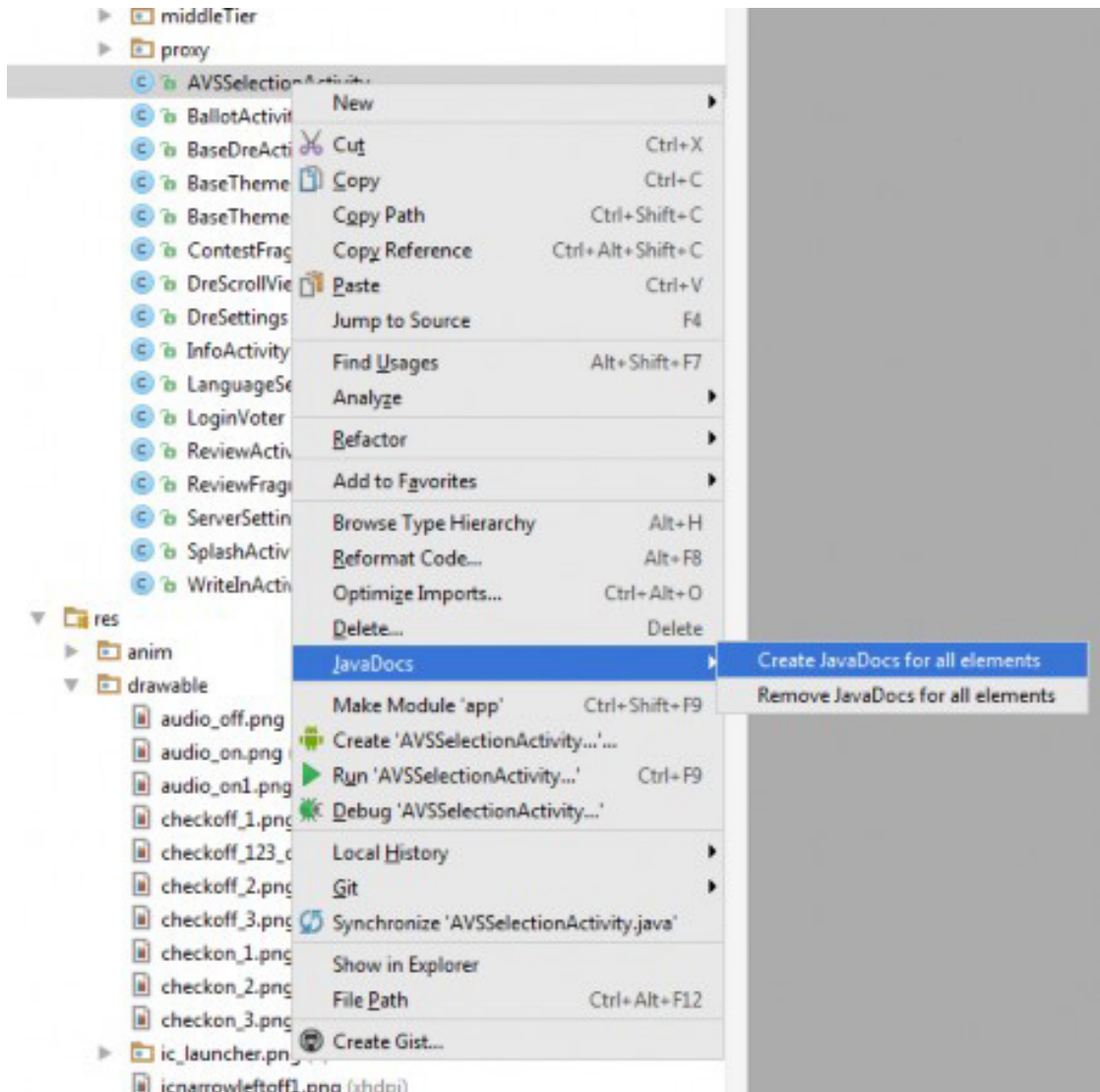
3.1.1 Installation

It can be installed using “Browse Repositories...” button found in Settings->Plugins of Android Studio.

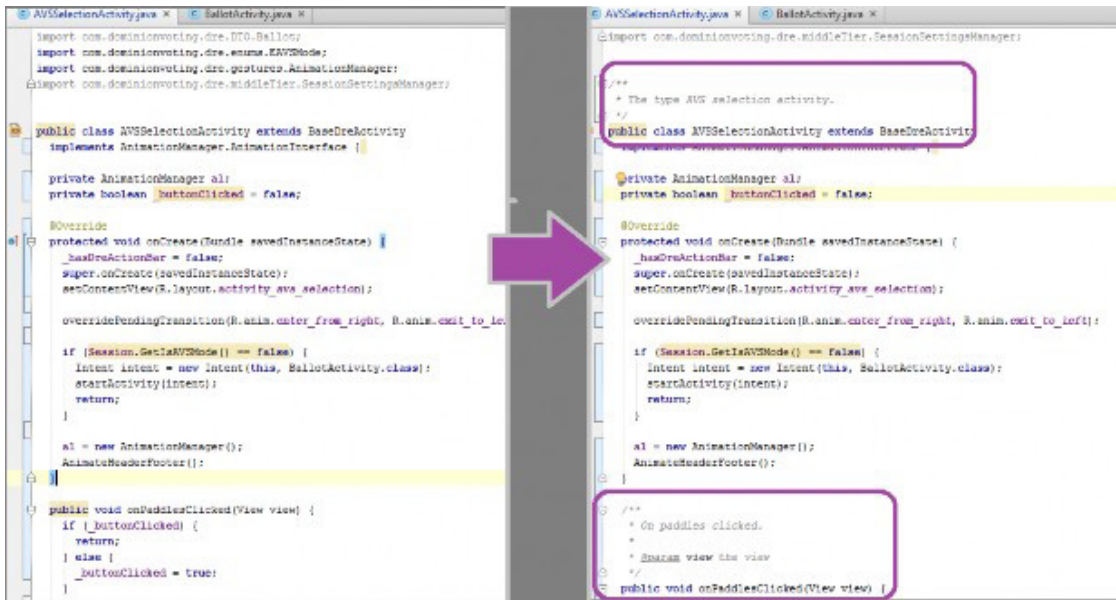


3.1.2 Usage

Right click on file, there is the menu option **“JavaDocs ->Create JavaDocs for all elements”**



JavaDoc comments will be generated based on file name.

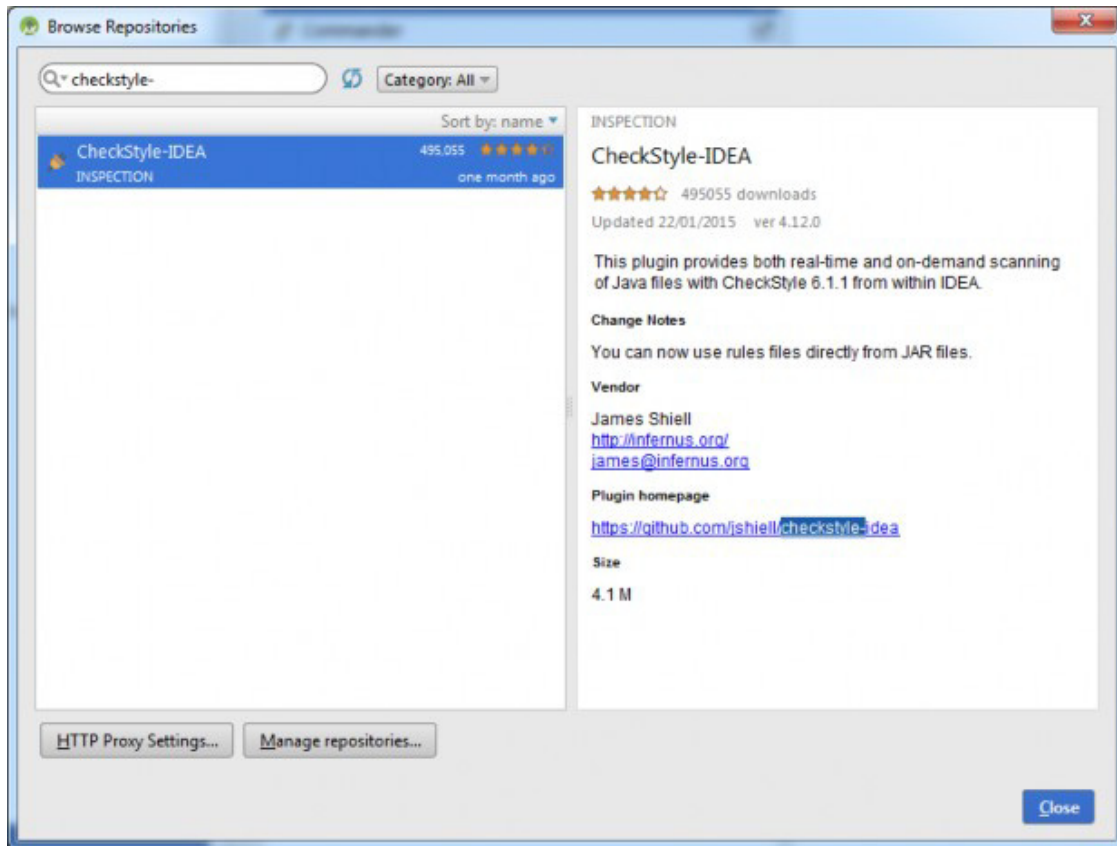


3.2 CheckStyle-IDEA – IntelliJ (Android Studio) plugin

This plugin provides both real-time and on-demand scanning of Java files with CheckStyle from within the IDEA IDE.

3.2.1 Installation

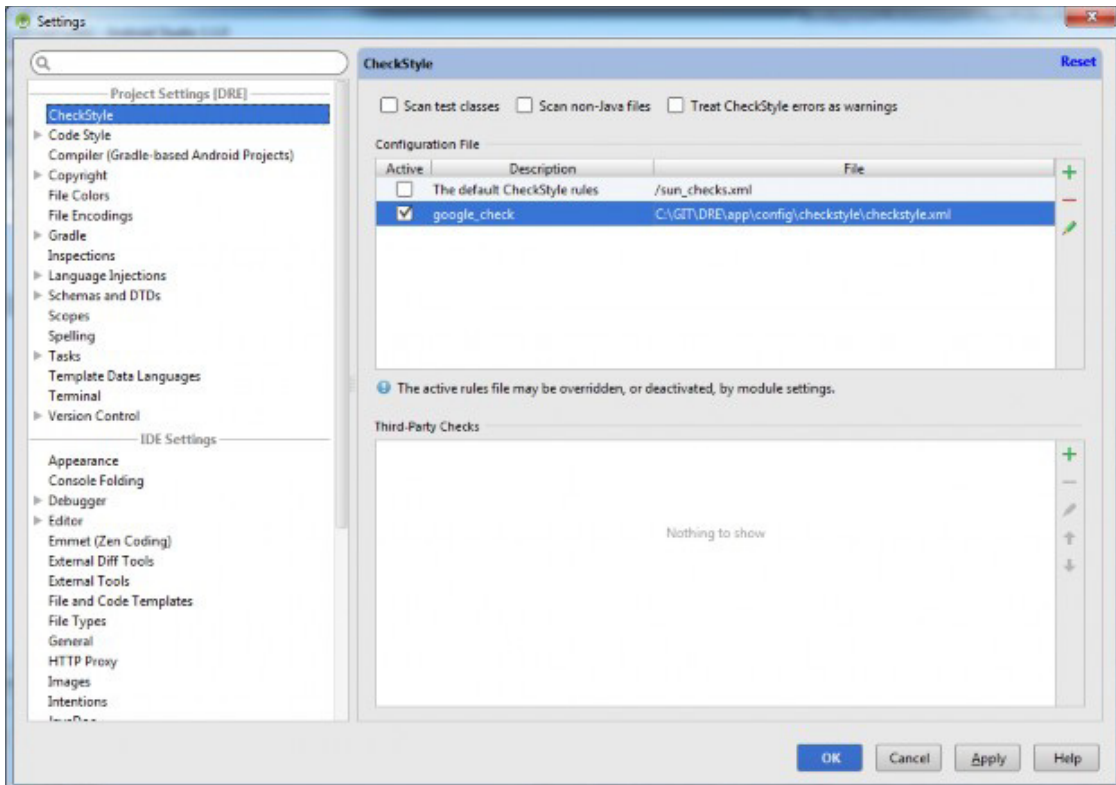
It can be installed using “Browse Repositories...” button found in Settings->Plugins of Android Studio. FigureCaption



3.2.2 Configuration

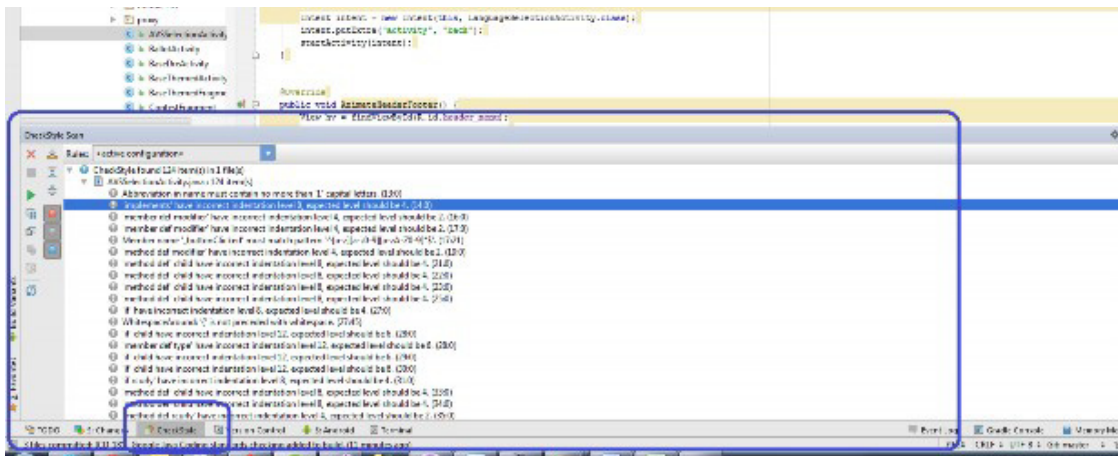
In the Settings window, there is new menu-item called “**CheckStyle**” where the configuration file is set.

There is configuration file called **google_checks.xml** that is configures checker according to Google Java Style guide. That file is copied in out folder”\DRE\app\config\checkstyle\checkstyle.xml” in order to be used for Android Studio plugin, as well in the build script.

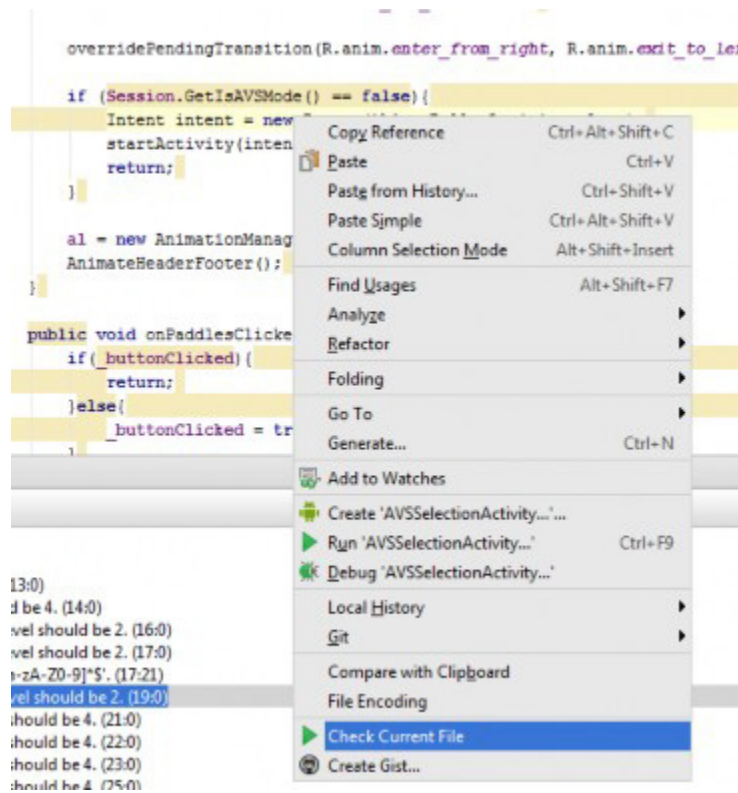


3.2.3 Usage

There is the panel to see all errors:



You can also check current file using right-click menu, under “**Check Current File**” option.



3.3 Configure Code Style Scheme for Android Studio

There is the Code Style Scheme xml file (“Google Java Style Dominion.xml”) that has all configurations for Java Code Style.

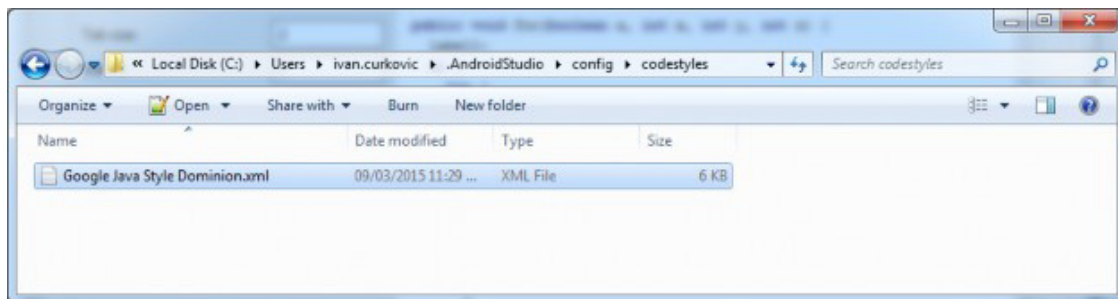
Copy xml configuration to Android Studio configuration folder

For Windows:

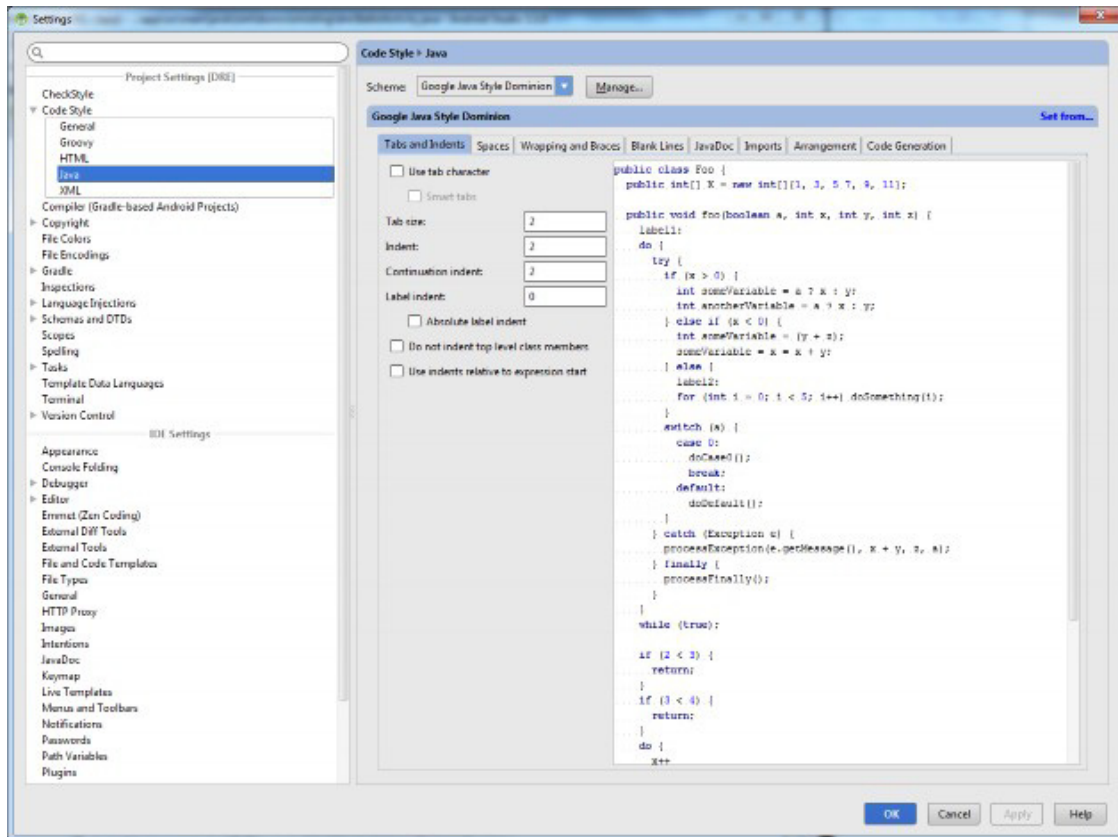
C:\Users\ivan.curkovic\.AndroidStudio\config\codestyles

For Mac:

/Users/<USERNAME>/Library/Preferences/AndroidStudio/codestyles



Choose Scheme for Java to be “Google Java Style Dominion” from drop-down list.



Now you can reformat code using “**Code > Reformat Code...**” command in Android Studio.

REVISION HISTORY

Rev.	Date	Author	Summary
1	02-21-2019	brian.fitzsimmons	Created 5.11-CO branch from trunk

End of Document

