ProGuard

The [ProGuard](http://proguard.sourceforge.net/) tool shrinks, optimizes, and obfuscates your code by removing unused code and renaming classes, fields, and methods with semantically obscure names. The result is a smaller sized .apk file that is more difficult to reverse engineer. Because ProGuard makes your application harder to reverse engineer, it is important that you use it when your application utilizes features that are sensitive to security like when you are [Licensing Your Applications](http://developer.android.com/google/play/licensing/index.html).

ProGuard is integrated into the Android build system, so you do not have to invoke it manually. ProGuard runs only when you build your application in release mode, so you do not have to deal with obfuscated code when you build your application in debug mode. Having ProGuard run is completely optional, but highly recommended.

# permission

Declares a security permission that can be used to limit access to specific components or features of this or other applications. See the [Permissions](http://developer.android.com/guide/topics/manifest/manifest-intro.html#perms) section in the introduction, and the [Security and Permissions](http://developer.android.com/guide/topics/security/security.html)document for more information on how permissions work.