



# Third-Party Libraries

- A third-party library refers to any library where the code is not part of Moodle.
- You can view a list of the currently included libraries by navigating to *'Site administration->Development->Third party libraries'* (***/admin/thirdpartylibs.php***). You should do this before considering including libraries with your plugin.
- According to the documentation, Moodle can only use libraries that use a GPL compatible licence, specifically one compatible with the GNU GPLv3 ([https://en.wikipedia.org/wiki/License\\_compatibility#GPL\\_compatibility](https://en.wikipedia.org/wiki/License_compatibility#GPL_compatibility))





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- Note that the location of the library files is not stipulated, but the use of an XML file **thirdpartylibs.xml**, describing the library and its location, is required (see [https://docs.moodle.org/dev/Plugin\\_files#thirdpartylibs.xml](https://docs.moodle.org/dev/Plugin_files#thirdpartylibs.xml)), as well as two other files – a Moodle readme - **moodle\_readme**, which we will create, and a changes file, which we are not going to cover in this course.
- For more information, please see the documentation's 'Third-Party Libraries' page ([https://docs.moodle.org/dev/Third\\_Party\\_Libraries](https://docs.moodle.org/dev/Third_Party_Libraries)).





# thirdpartylibs.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<libraries>
  <library>
    <location>path/to/library</location>
    <name>library name</name>
    <version>library version</version>
    <license>licence type</license>
    <licenseversion>
      licence type version
    </licenseversion>
  </library>
</libraries>
```





# ZEND

The Zend Framework use in Moodle was been limited to web services and MNet functionality and it was removed without deprecation in Moodle 3.1. The current advice is to find alternatives for what you need to do.





# PEAR

- Navigate to the 'Third-Party Libraries' page, '*Site administration->Development->Third party libraries*' (**`/admin/thirdpartylibs.php`**) and you will notice several PEAR libraries listed.
- The included PEAR libraries have not been updated in a while (see <https://tracker.moodle.org/browse/MDL-52465>), and some code, particularly `HTML::QuickForm`, has been 'hacked' somewhat.

