Developer’s Checklist (servercron)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ref** | **Detail** |  | **✓/🗶** | **Test ✓/🗶** |
| **1** | **Coding Standards** |  |  |  |
|  |  | meets the Moodle developers standard | **✓** | **🗶** |
| **2** | **Unit Testing** | (not agreed yet) |  |  |
| **3** | **Security Issues** |  |  |  |
|  |  | require\_Iogin()/moodle Internal defined (required) | **✓** | **✓** |
|  |  | SQL injection Checks <http://en.wikipedia.org/wiki/SQL_injection> | **🗶** | **🗶** |
|  |  | XSS Checks - <http://en.wikipedia.org/wiki/Cross-site_scripting> | **🗶** | **🗶** |
| **4** | **Resource Usage** |  |  |  |
|  |  | Moodle Cron functionality | **🗶** | **🗶** |
|  |  | File creation – logs, caching etc etc | **🗶** | **🗶** |
|  |  | 3rd party PHP libraries - external to Moodle core ones e.g Zend | **🗶** | **🗶** |
| **5** | **Core Tables** | Not tables created by plugin |  |  |
|  | 1. Affected Tables List (State changes) | 1. Structure Changes A 2. Record deletions B 3. Record Additions C 4. Record Updates D   e.g. mdl\_users ACD |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **6** | **Plugin Tables** |  |  |  |
|  |  | local\_servercron | **✓** | **✓** |
|  |  |  |  |  |
|  |  |  |  |  |
| **6** | **External Functionality** |  |  |  |
|  |  | Http calls incl RSS | **🗶** | **🗶** |
|  |  | External Database calls | **🗶** | **🗶** |
|  |  | Webservice – rpc/soap/REST | **🗶** | **🗶** |
|  |  | Disk mountings  Details: | **🗶** | **🗶** |
|  |  | External cron | **🗶** | **🗶** |
| **7** | **Logging** | Moodle Logging – required and extent |  |  |
|  |  | General Logging | **🗶** | **🗶** |
|  |  | Code Logging – debugging messages | **🗶** | **🗶** |
|  |  | Moodle Exceptions | **✓** | **🗶** |
| **8** | **Documentation** |  |  |  |
|  |  | Installation Notes | **✓** | **✓** |
|  |  | User Acceptance Test | **✓** | **✓** |
|  |  | Load Balancing (JMeter Tests) | **✓** | **✓** |
| **9** | **Other** |  |  |  |
|  |  | Reads/writes Apache User Crons | **✓** | **✓** |
|  |  |  |  |  |

**See also:**

* <http://docs.moodle.org/dev/Peer_reviewing_checklist>
* http://docs.moodle.org/dev/Plugin\_validation

Developer Testing Tools

1. Code Checker
   1. Run on the command lines and save output to cc\_result.txt in the docs folder

<https://github.com/timhunt/moodle-local_codechecker>

1. Programmer Documentation
   1. PHP Xref (<http://phpxref.sourceforge.net/>)
      1. Requires perl to be installed – for windows
         1. <http://strawberryperl.com/> OR
         2. <http://www.activestate.com/activeperl/downloads>
   2. PHPdocumenter
      1. <http://pear.php.net/manual/en/installation.getting.php>