



Digital BlackSmiths: Thutong LMS

Testing Policy Documentation

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Testing Tools

- Moodle Benchmark
 - this tool is a Moodle plugin that performs various performance factors of the system such as Server, Processor, Hard drive, Database and Loading page speed
 - the tool is downloaded from the Moodle website and is added as plugin https://moodle.org/plugins/report_benchmark
 - The tool simply requires one to go to "Site Administration > Reports > Benchmark" and select "Run Test"
- PHPUnit
 - It is an advanced unit testing framework for PHP (Moodle is primarily coded using PHP)
 - It is installed by installing composer, described in the steps on <https://docs.moodle.org/dev/PHPUnit>
 - It comes with ready-made test for Moodle but also has allowance for creating customised tests.

Test Cases

The test cases are described by each major functionality of the system:

- Creating User
- Login
- Completing Lesson and Quiz
- Removing account

Testing Process:

- Unit tests are executed after a new use case, functionality or plugin is implemented, added or edited
- Overall system performance (Benchmark) test is done monthly