A long time ago in an office far, far away....
Bad moodlers blame their tools
A good moodler...

their tools
A good moodler **knows** their tools
$ grep -iRl "define('CLI_SCRIPT'" *

☁ Moodle Development Kit

https://github.com/FMCorz/mdk
https://moosh-online.com/
A good moodler discovers their tools
Explore all the things

- docs.moodle.org/dev/Main_Page
- tracker.moodle.org/browse/MDL
- telegram.me/moodledev
- moodle.org/plugins/
- github.com/search?q=moodle+plugin
A good moodler selects their tools
Testing tools ecosystem

- docs.moodle.org/dev/PHPUnit
- docs.moodle.org/dev/Behat
- docs.moodle.org/dev/Process#CiBoT
- docs.moodle.org/dev/Travis_integration
- docs.moodle.org/37/en/Test_course_generator
- Test options in config.php (email, caching, sql, …)
- Live configuration tests
Debugging tools ecosystem

- Browser dev tools
  - xdebug.org
  - docs.moodle.org/37/en/Debugging
  - docs.moodle.org/dev/Profiling_PHP
- SQL slow query log
- Monitoring tools
- Tracing tools / APM
A good moodler optimizes their tools
Tightening the feedback loop

- Deming cycle
- Observe Orient Decide Act
  https://en.wikipedia.org/wiki/OODA_loop
- Plan Do Check Act
  https://en.wikipedia.org/wiki/PDCA
- https://en.wikipedia.org/wiki/Fail-fast
How long can you work on making a routine task more efficient before you're spending more time than you save? (Across five years)

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https://xkcd.com/1205/
A good moodler owns their tools
A good moodler markets their tools