

catalyst 

open source technologists

A long time ago in an
office far, far away....



Bad moodlers blame their tools

A good moodler



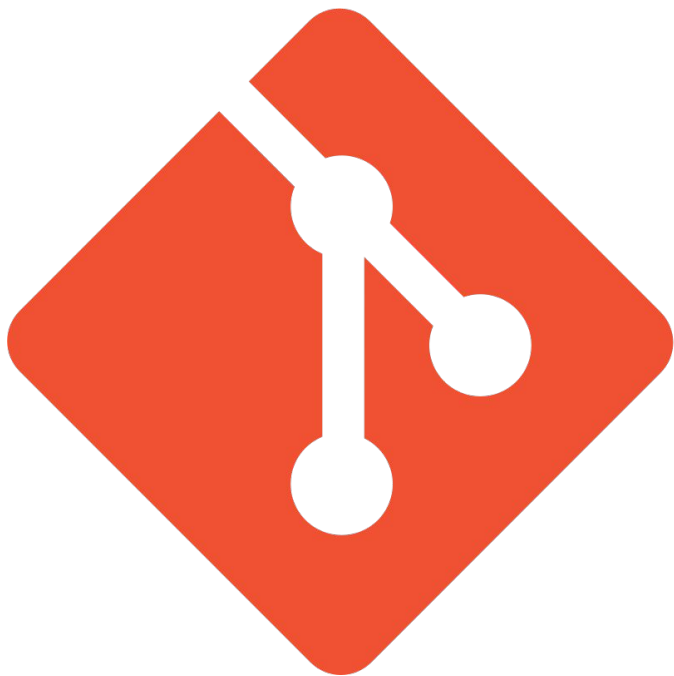
their tools

A good moodler

knows



their tools



git

<https://git-scm.com/book/en/v2>

```
$ grep -iRl "define('CLI_SCRIPT'" *
```

Moodle Development Kit

<https://github.com/FMCorz/mdk>

moosh

<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](https://t.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)

		HOW OFTEN YOU DO THE TASK					
		50/DAY	5/DAY	DAILY	WEEKLY	MONTHLY	YEARLY
HOW MUCH TIME YOU SHAVE OFF	1 SECOND	1 DAY	2 HOURS	30 MINUTES	4 MINUTES	1 MINUTE	5 SECONDS
	5 SECONDS	5 DAYS	12 HOURS	2 HOURS	21 MINUTES	5 MINUTES	25 SECONDS
	30 SECONDS	4 WEEKS	3 DAYS	12 HOURS	2 HOURS	30 MINUTES	2 MINUTES
	1 MINUTE	8 WEEKS	6 DAYS	1 DAY	4 HOURS	1 HOUR	5 MINUTES
	5 MINUTES	9 MONTHS	4 WEEKS	6 DAYS	21 HOURS	5 HOURS	25 MINUTES
	30 MINUTES		6 MONTHS	5 WEEKS	5 DAYS	1 DAY	2 HOURS
	1 HOUR		10 MONTHS	2 MONTHS	10 DAYS	2 DAYS	5 HOURS
	6 HOURS				2 MONTHS	2 WEEKS	1 DAY
1 DAY					8 WEEKS	5 DAYS	

<https://xkcd.com/1205/>

A good moodler

owns



their tools

A good moodler

markets



their tools

CROSSING

THE

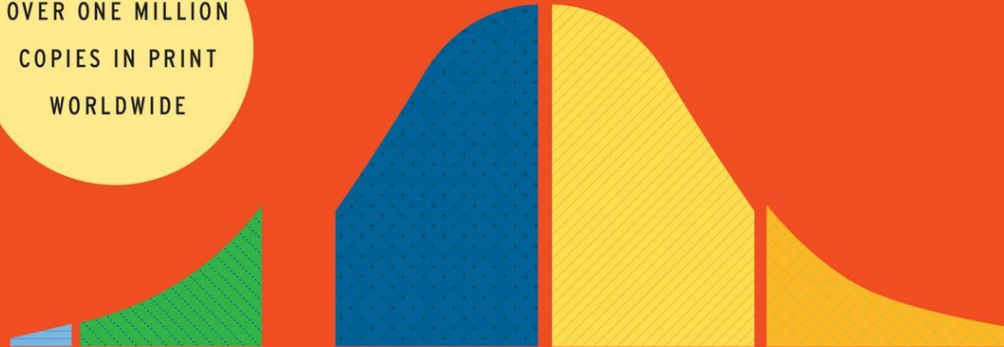
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DISRUPTIVE PRODUCTS TO
MAINSTREAM CUSTOMERS

CHASM

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www.catalyst-au.net

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