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WELCOME TO
THE TESTING
TRACK

EGO-CENTRIC
INTRODUCCION
GOES HERE

TEST- ADJACENT TOOLS

TEST-ADJACENT TOOLS

- > EDITORS
- > CODE LINTERS
- > STATIC CODE ANALYZERS
 - > MUTATION TESTING

EDITORS

WHAT YOU USE DOESN'T REALLY MATTER AS MUCH
AS EDITOR ZEALOTS WOULD LIKE YOU TO BELIEVE

EDITORS

**BUT I RECOMMEND USING AN EDITOR THAT HAS
SOME OF THE FOLLOWING FEATURES:**

EDITORS

> SYNTAX HIGHLIGHTING

EDITORS

- > AUTOCOMPLETION AND 'INTELLISENSE'

EDITORS

- > CLI ENVIRONMENT INTEGRATION

EDITORS

A TOOL YOU FIGHT WITH TO GET YOUR JOB
DONE IS A BAD TOOL. CONSIDER REPLACING IT

CODE LINTING

- > APPLYING A CONSISTENT STYLE TO YOUR CODE MAKES CODE REVIEWS EASIER

CODE LINTING

- > PICK A TOOL THAT CAN SUPPORT APPLYING MULTIPLE STANDARDS
- > PICK A TOOL THAT CAN AUTOMATICALLY APPLY CHANGES

CODE LINTING

SOME THINGS PHPCS DOES FOR OPENCFP:

- > CODE LINTING
- > LOOKS FOR LICENSE HEADER IN EACH FILE
- > CHECKS TO MAKE SURE WE HAVE UNIT TESTS FOR CERTAIN TYPES OF FILES

CODE LINTING

A LINTING TOOL SHOULD MAKE CHANGES FOR YOU SO YOU
DO NOT HAVE TO REMEMBER TO DO THEM YOURSELF

CODE LINTING

TOOLS RUN FROM CLI ARE MY RECOMMENDATION BECAUSE
THEY CAN BE TRIGGERED BY VERSION CONTROL EVENTS

STATIC CODE ANALYZERS

- > LOOKS FOR WAYS TO IMPROVE YOUR CODE
- > EASIER TO TAKE ADVICE FROM A PROGRAM THAN A CO-WORKER

STATIC CODE ANALYZERS

- > PHPSTAN
- > PSALM

STATIC CODE ANALYZERS

- > THEIR GOAL IS TO IDENTIFY PARTS OF YOUR CODE THAT WILL PERFORM BETTER

STATIC CODE ANALYZERS

EXAMPLE TIME

MUTATION TESTING

WHO TESTS YOUR TESTS?

MUTATION TESTING

IT SUBTLY MODIFIES YOUR CODE AND THEN RUNS YOUR EXISTING TESTS

MUTATION TESTING

IF THE MUTATION DOESN'T CAUSE A TEST TO FAIL, YOU HAVE SOME
BAD TESTS AND YOU SHOULD FIX THEM

MUTATION TESTING

SAMPLE TIME!

TL:DR

**YOU SHOULD BE USING TOOLS THAT SAVE YOU FROM
REPETITIVE TASKS SO YOU CAN USE YOUR AMAZING
SKILLS TO SOLVE PROBLEMS**

SLIDES

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