

Chapter 01: What is Clean Code and Why Should You Care

No Images...

Chapter 02: What is Clean Code and Why Should You Care

No Images...

Chapter 03: Code, Don't Do Stunts

No Images...

Chapter 04: It's About More Than Just Code

No Images...

Chapter 05: Optimizing Your Time and Separating Responsibilities

No Images...

Chapter 06: PHP is Evolving: Deprecations, Evolutions, and PSR

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Chapter 07: Code Quality Tools

PHPMD Report

Generated at **2022-04-27 08:18** with [PHP Mess Detector](#) on **PHP 8.0.8** on **curtis-desktop**

2 problems found

Summary

By priority

Count	%	Priority
2	100.0 %	Top (1)

By rule set

Count	%	Rule set
2	100.0 %	Clean Code Rules

By name

Count	%	Rule name
1	50.0 %	StaticAccess
1	50.0 %	MissingImport

Details

#1 Avoid using static access to class **'User'** in **method 'loadData'**. [\(help\)](#) Top (1)

File: [/home/curtis/clean-code/chapter7/phpmd/src/phpmd_suppress_example.php](#) [Show code ▼](#)

24	class ExampleClass {
25	public function loadData(string \$id) {
26	\$userData = User::find(\$id);
27	
28	\$test = new Order();

#2 Missing class import via use statement (line **'28'**, column **'21'**). [\(help\)](#) Top (1)

File: [/home/curtis/clean-code/chapter7/phpmd/src/phpmd_suppress_example.php](#) [Show code ▼](#)

```
$ vendor/bin/phpstan analyse src
Note: Using configuration file /home/curtis/clean-code/chapter7/phpstan/phpstan.neon.
2/2 [████████████████████] 100%

[OK] No errors

$
```

```
$ vendor/bin/phpstan analyse --level 3 src
Note: Using configuration file /home/curtis/clean-code/chapter7/phpstan/phpstan.neon.
2/2 [████████████████████] 100%
```

```
-----
Line   phpstan_example.php
-----
9      Method Vat::getVat() should return int but returns float.
-----
```

```
[ERROR] Found 1 error
```

```
$ vendor/bin/psalm --alter --issues=InvalidReturnType --dry-run
Target PHP version: 8.1 (inferred from current PHP version)
Scanning files...
Analyzing files...
```

```
█
Altering files...
```

```
/home/curtis/clean-code/chapter7/psalm/src/psalm_example.php:
```

```
--- /home/curtis/clean-code/chapter7/psalm/src/psalm_example.php
```

```
+++ /home/curtis/clean-code/chapter7/psalm/src/psalm_example.php
```

```
@@ -4,7 +4,7 @@
```

```
{
```

```
    private float $vat = 0.19;
```

```
-    public function getVat(): int
```

```
+    public function getVat(): float
```

```
{
```

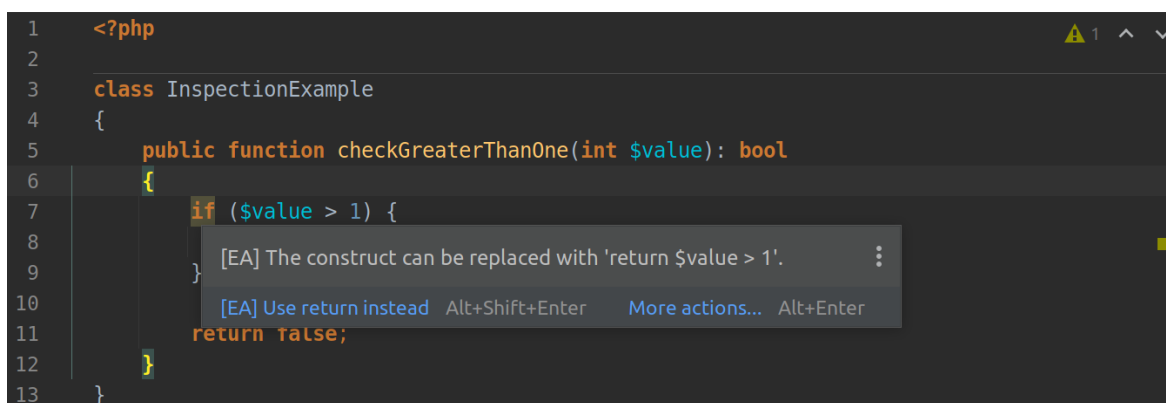
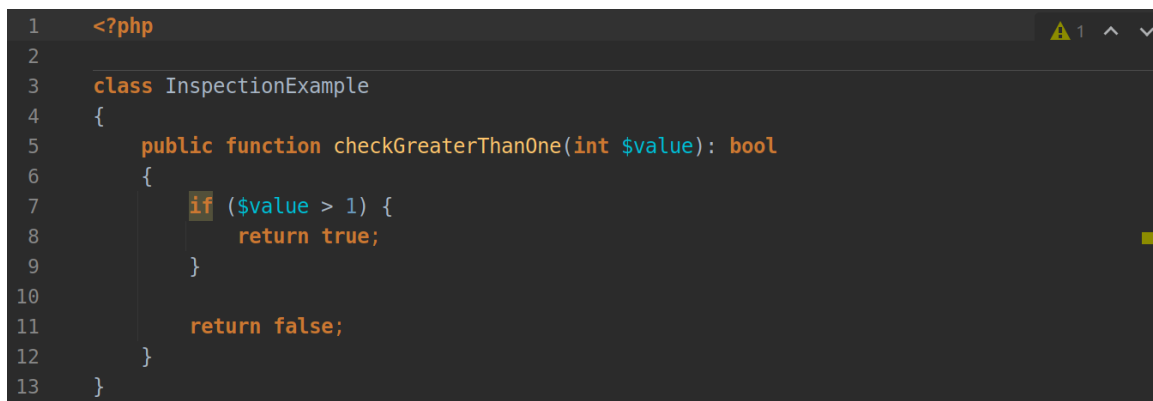
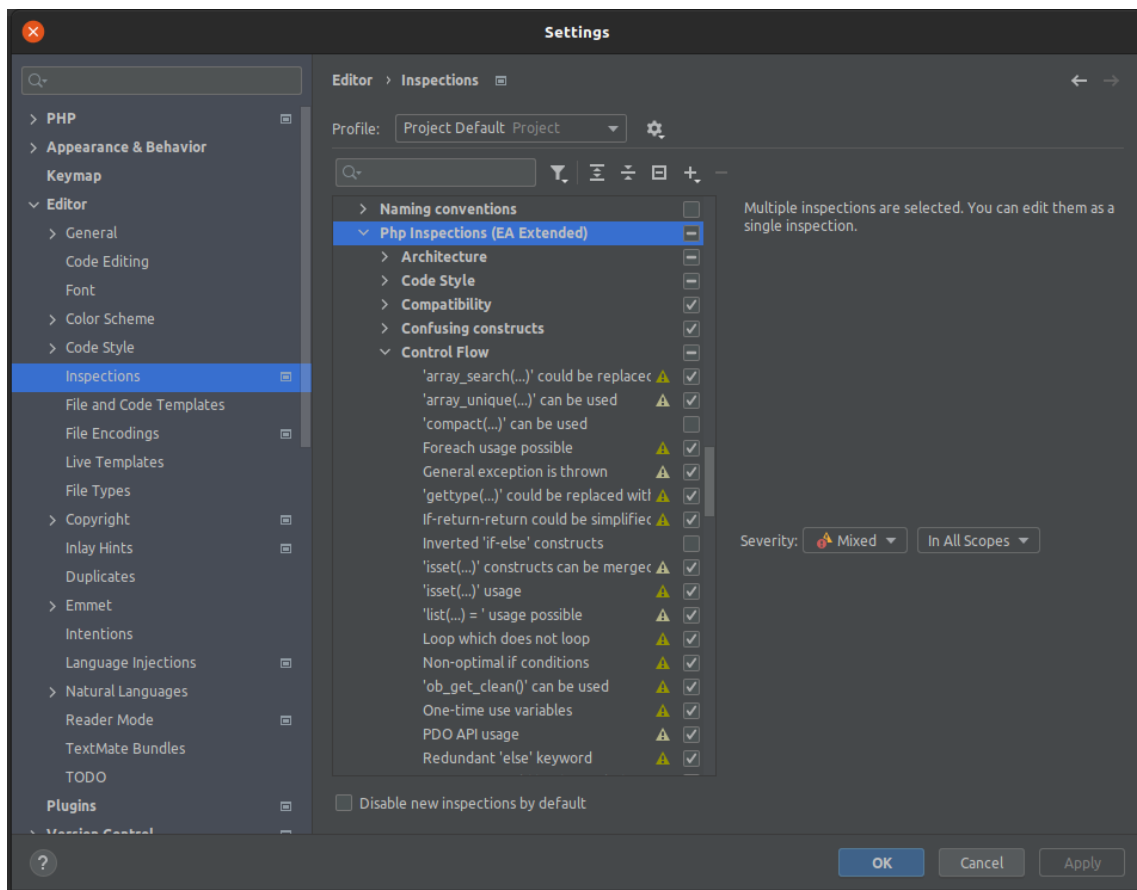
```
    return $this->vat;
```

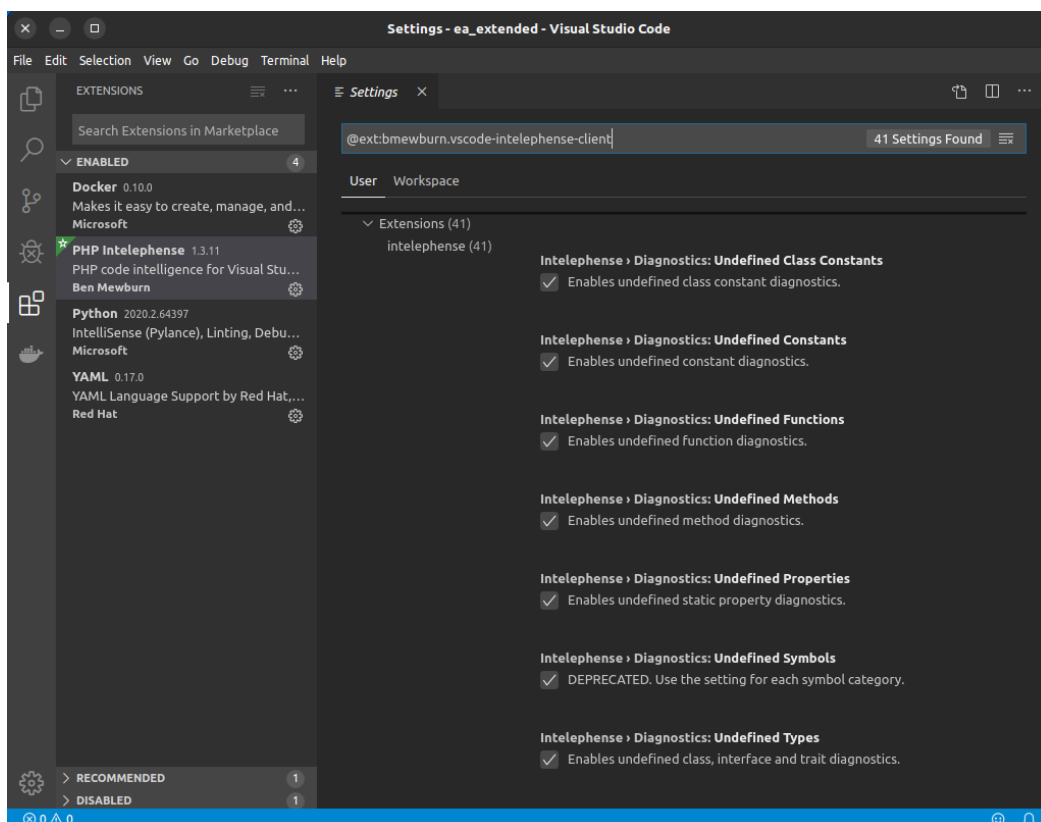
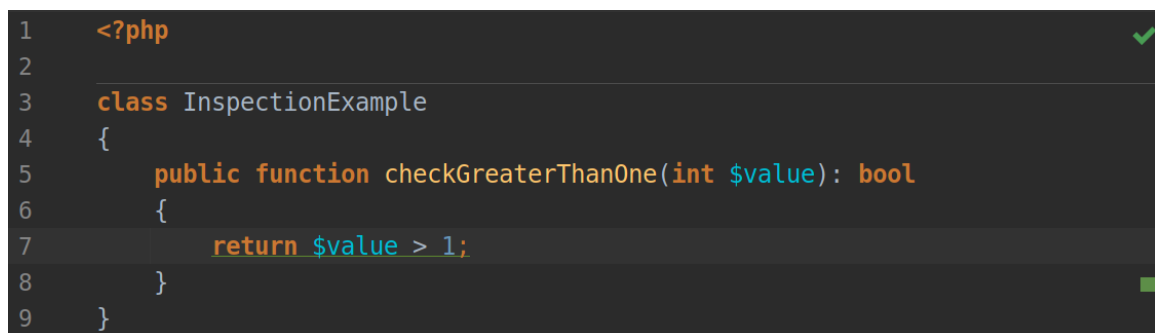
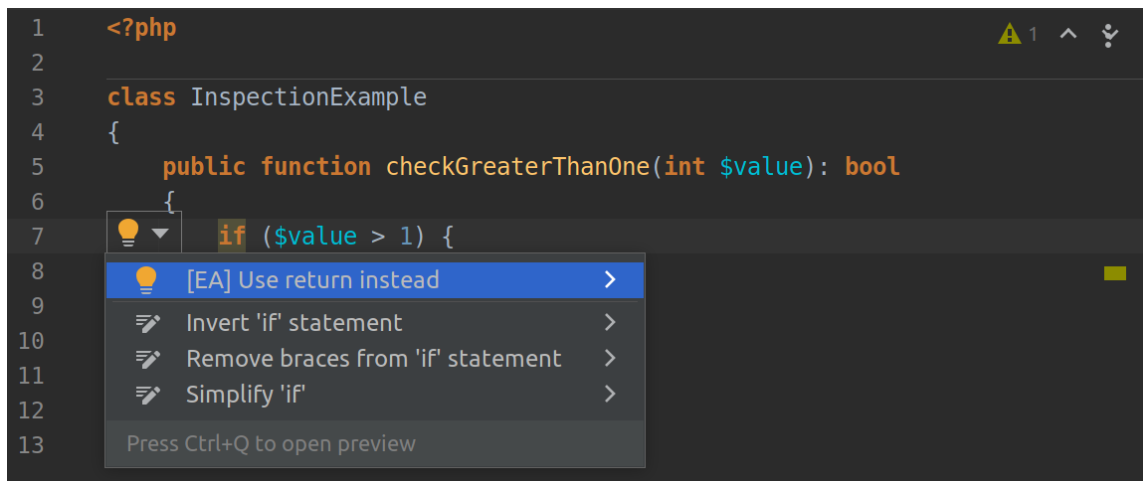
```
}
```

```
-----
No errors found!
-----
```

```
Checks took 0.29 seconds and used 71.634MB of memory
Psalm was able to infer types for 100% of the codebase
```

```
$ █
```



```

1  <?php
2
3  class DiagnosticsExample
4  {
5      private int $unusedAttribute = 1;
6      private int $usedAttribute = 2;
7
8      public function exampleFunction(): void
9      {
10         if ($this->usedAttribute == 2) {
11             echo $this->usedAttribute;
12         }
13
14         $testInstance = new TestClass();
15     }
16 }
17

```

```

1  <?php
2
3  class DiagnosticsExample
4  {
5      private int $unusedAttribute = 1;
6          DiagnosticsExample::$unusedAttribute
7          <?php
8          private int $unusedAttribute;
9          @var int $unusedAttribute
10         Symbol '$unusedAttribute' is declared but not used. intelephense(1003)
11         No quick fixes available
12         $testInstance = new TestClass();
13     }
14 }
15
16
17

```

Chapter 08: Code Quality Metrics

```
$ php phploc.phar src
phploc 7.0.2 by Sebastian Bergmann.

Directories      8
Files            47

Size
  Lines of Code (LOC)      3349
  Comment Lines of Code (CLOC) 199 (5.94%)
  Non-Comment Lines of Code (NCLOC) 3150 (94.06%)
  Logical Lines of Code (LLOC) 897 (26.78%)
    Classes      868 (96.77%)
      Average Class Length      18
      Minimum Class Length      0
      Maximum Class Length     117
      Average Method Length      3
      Minimum Method Length      0
      Maximum Method Length     40
      Average Methods Per Class   3
      Minimum Methods Per Class   1
      Maximum Methods Per Class  23
    Functions      29 (3.23%)
      Average Function Length      1
      Not in classes or functions  0 (0.00%)

Cyclomatic Complexity
  Average Complexity per LLOC    0.22
  Average Complexity per Class   4.89
  Minimum Class Complexity       1.00
  Maximum Class Complexity      51.00
  Average Complexity per Method  2.10
  Minimum Method Complexity      1.00
  Maximum Method Complexity     26.00

Dependencies
  Global Accesses      0
    Global Constants    0 (0.00%)
    Global Variables    0 (0.00%)
    Super-Global Variables 0 (0.00%)
  Attribute Accesses   805
    Non-Static          805 (100.00%)
    Static              0 (0.00%)
  Method Calls         364
    Non-Static          349 (95.88%)
    Static              15 (4.12%)
```

Executing system analyzes...

Executing composer analyzes, requesting <https://packagist.org>...

LOC

Lines of code	876
Logical lines of code	762
Comment lines of code	114
Average volume	172.78
Average comment weight	14.48
Average intelligent content	14.48
Logical lines of code by class	35
Logical lines of code by method	11

Object oriented programming

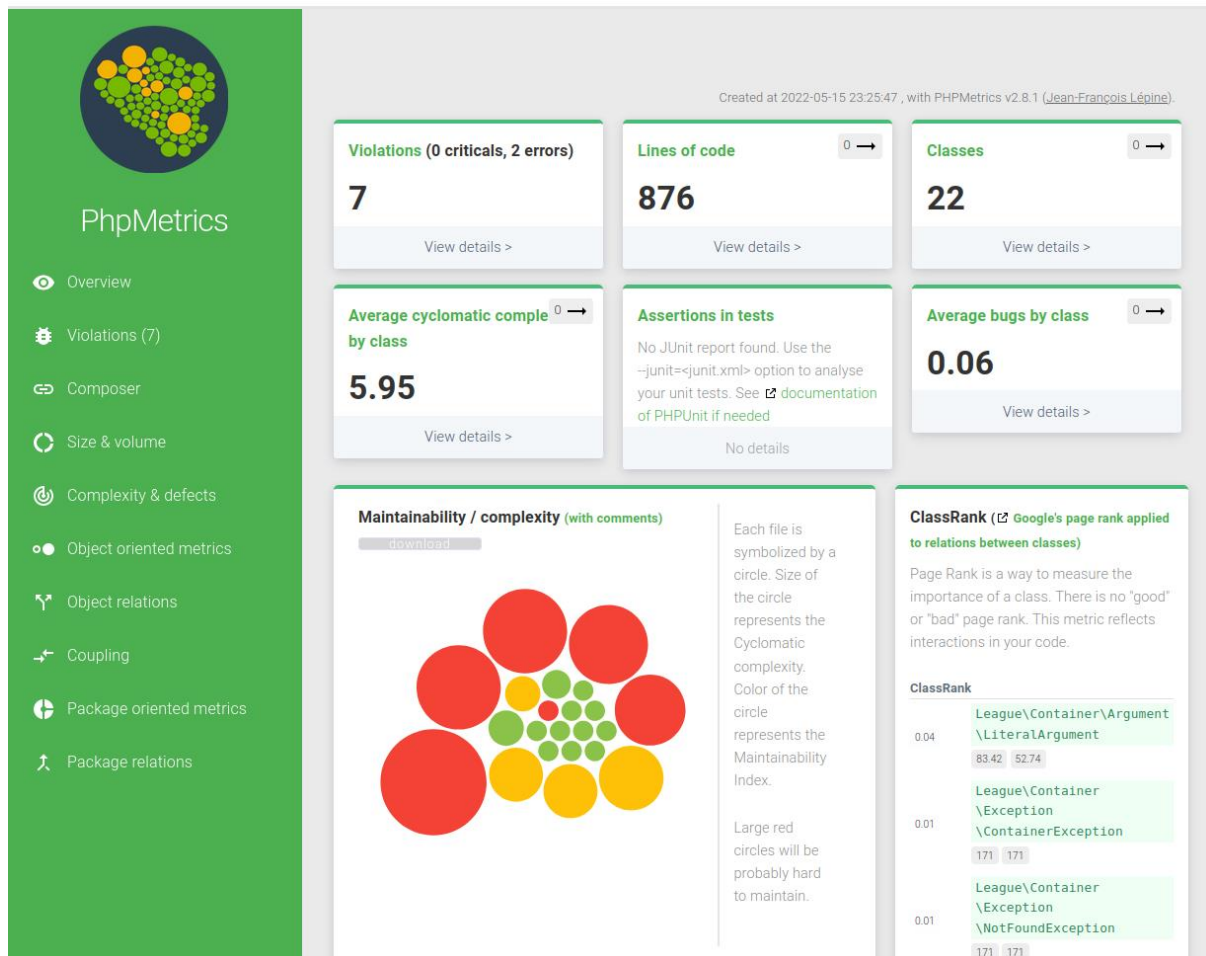
Classes	22
Interface	14
Methods	69
Methods by class	3.14
Lack of cohesion of methods	0.86

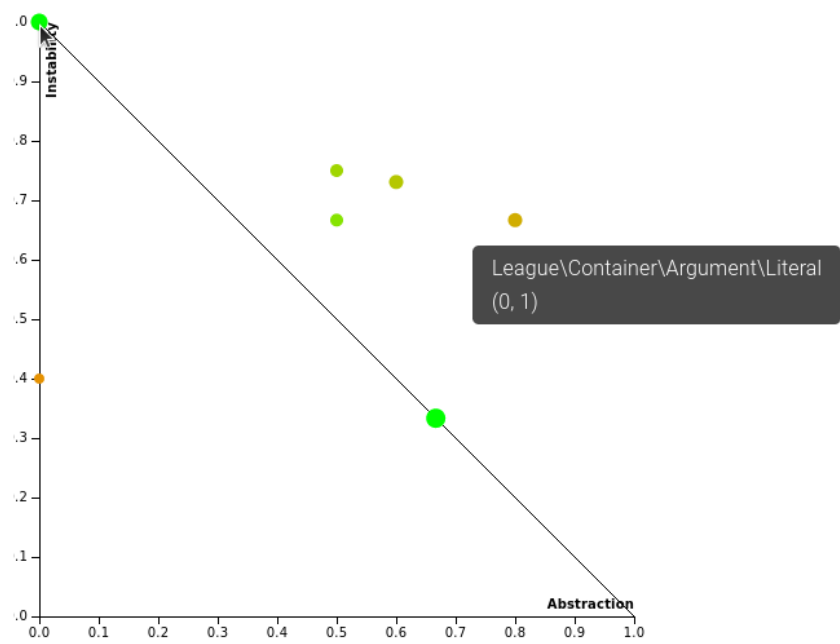
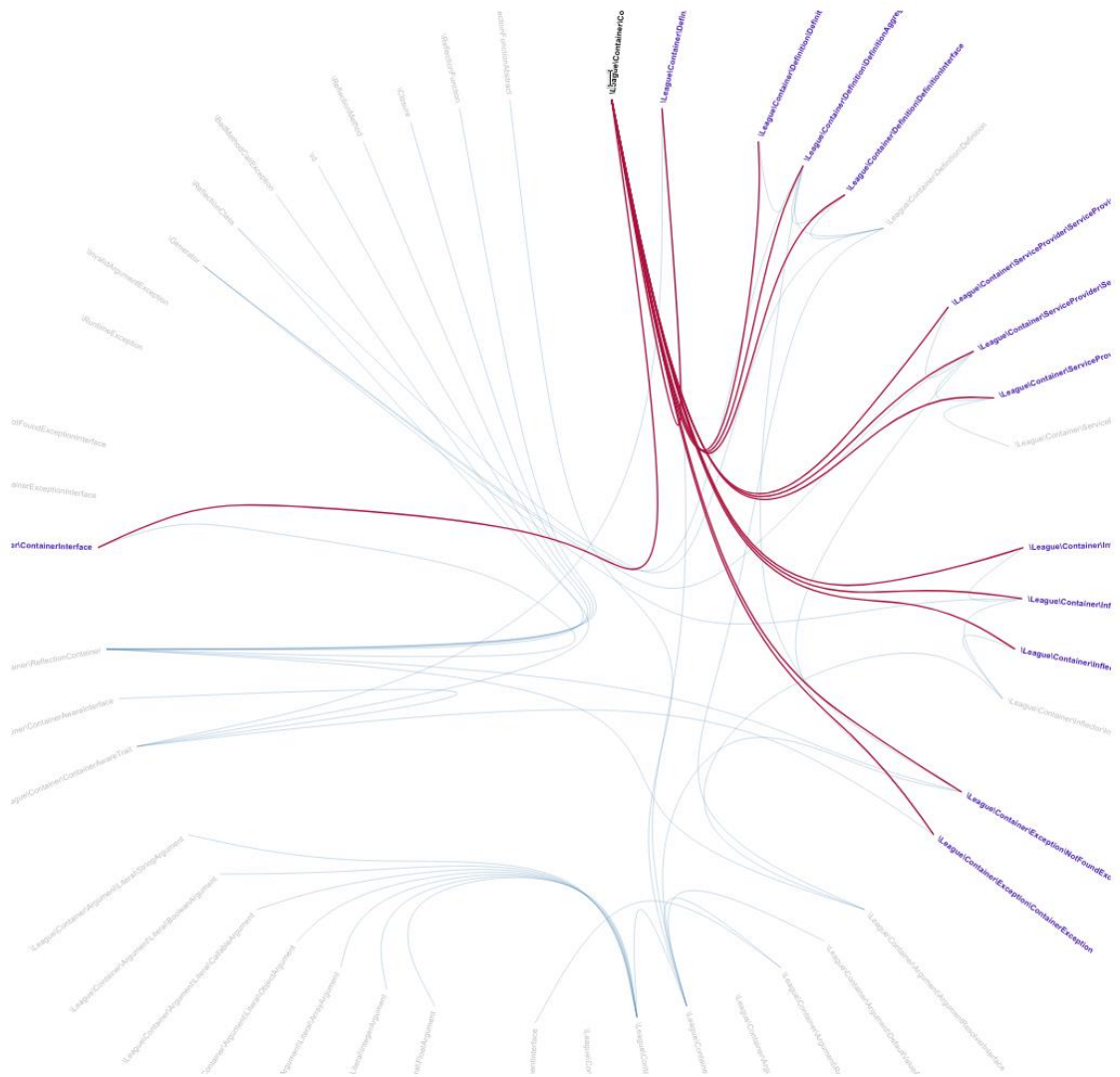
Coupling

Average afferent coupling	1.09
Average efferent coupling	2.95
Average instability	0.8
Depth of Inheritance Tree	1.47

Package

Packages	7
Average classes per package	5.14
Average distance	0.18

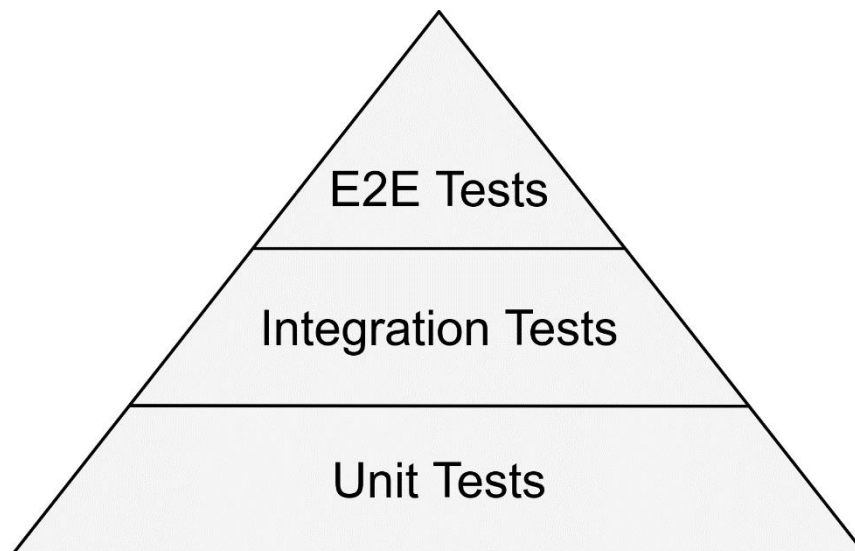




Chapter 09: Organizing PHP Quality Tools

No Images...

Chapter 10: Automated Testing



```
$ cat reports/coverage.txt
```

```
Code Coverage Report:  
2022-06-21 21:02:07
```

```
Summary:
```

```
Classes: 50.00% (2/4)  
Methods: 50.00% (3/6)  
Lines: 50.00% (6/12)
```

```
CodeCoverageExample\MyApp
```

```
Methods: 100.00% ( 2/ 2) Lines: 100.00% ( 3/ 3)
```

```
CodeCoverageExample\MyOtherClass
```





```
Methods: 0.00% ( 0/ 2) Lines: 33.33% ( 2/ 6)
```

```
CodeCoverageExample\MyRepository
```

```
Methods: 100.00% ( 1/ 1) Lines: 100.00% ( 1/ 1)
```

```
$
```

/home/curtis/clean-code/chapter10/code_coverage/src / (Dashboard)

	Code Coverage								
	Lines			Functions and Methods			Classes and Traits		
Total	<div><div></div></div>	54.55%	6 / 11	<div><div></div></div>	60.00%	3 / 5	<div><div></div></div>	50.00%	2 / 4
 MyApp.php	<div><div></div></div>	100.00%	3 / 3	<div><div></div></div>	100.00%	2 / 2	<div><div></div></div>	100.00%	1 / 1
 MyOtherClass.php	<div><div></div></div>	40.00%	2 / 5	<div><div></div></div>	0.00%	0 / 1	<div><div></div></div>	0.00%	0 / 1
 MyRepository.php	<div><div></div></div>	100.00%	1 / 1	<div><div></div></div>	100.00%	1 / 1	<div><div></div></div>	100.00%	1 / 1
 UntestedClass.php	<div><div></div></div>	0.00%	0 / 2	<div><div></div></div>	0.00%	0 / 1	<div><div></div></div>	0.00%	0 / 1

Legend

Low: 0% to 50% **Medium:** 50% to 90% **High:** 90% to 100%

Generated by [php-code-coverage 9.2.15](#) using [PHP 8.1.2](#) and [PHPUnit 9.5.20](#) at Mon Jun 20 22:22:52 UTC 2022.

/home/curtis/clean-code/chapter10/code_coverage/src / MyOtherClass.php

	Code Coverage									
	Lines			Functions and Methods				Classes and Traits		
Total	<div><div></div></div>	40.00%	2 / 5	<div><div></div></div>	0.00%	0 / 1	CRAP	<div><div></div></div>	0.00%	0 / 1
MyOtherClass	<div><div></div></div>	40.00%	2 / 5	<div><div></div></div>	0.00%	0 / 1	4.94	<div><div></div></div>	0.00%	0 / 1
doSomething	<div><div></div></div>	40.00%	2 / 5	<div><div></div></div>	0.00%	0 / 1	4.94			

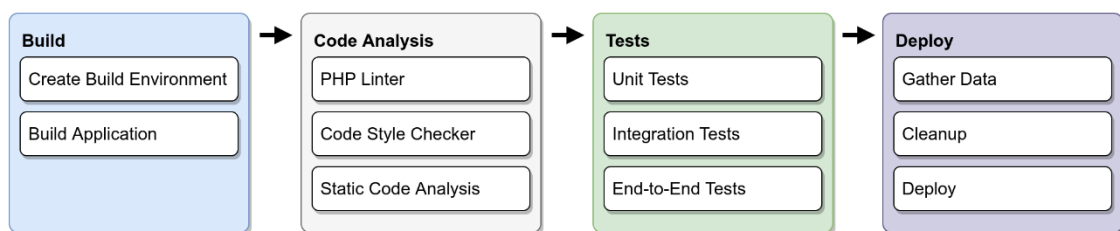
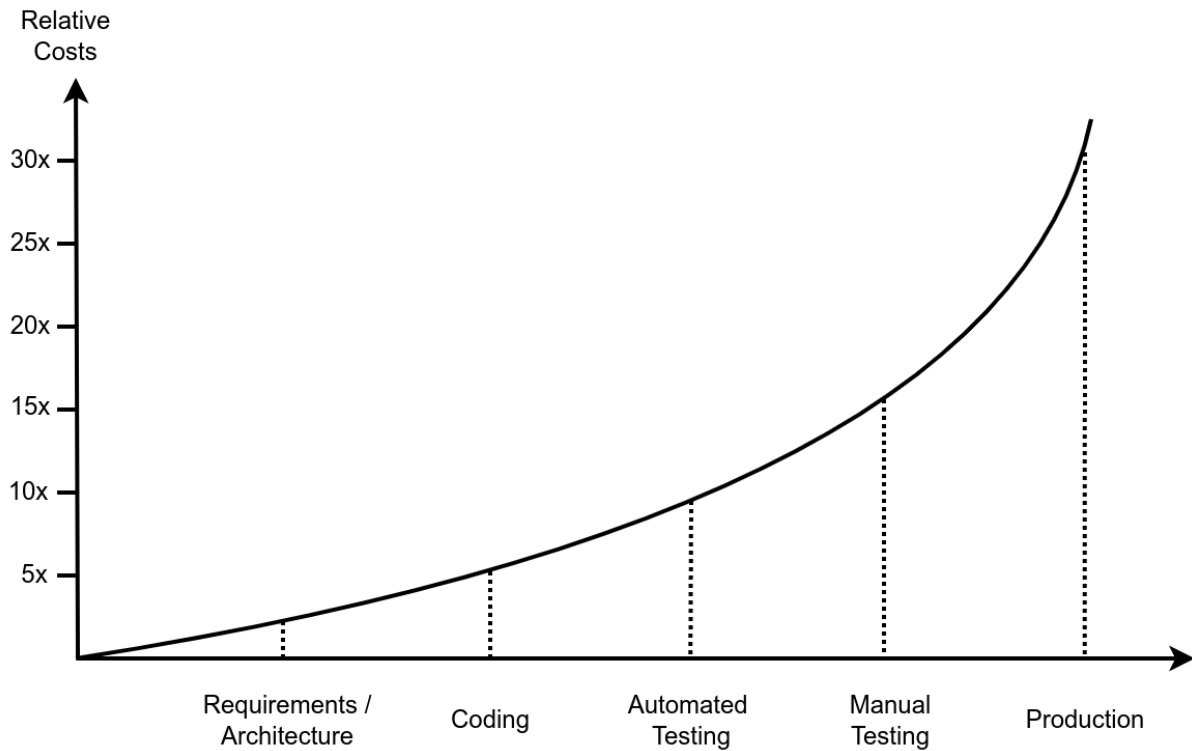
```
1  <?php
2
3  declare(strict_types=1);
4
5  namespace CodeCoverageExample;
6
7  class MyOtherClass
8  {
9      public function doSomething(int $a): int
10     {
11         if ($a > 0) {
12             return $a + 1;
13         }
14
15         if ($a === 0) {
16             return $a;
17         }
18
19         return $a - 1;
20     }
21 }
```

Legend

Executed **Not Executed** **Dead Code**

Generated by [php-code-coverage 9.2.15](#) using [PHP 8.1.2](#) and [PHPUnit 9.5.20](#) at Mon Jun 20 22:22:52 UTC 2022.

Chapter 11: Continuous Integration



carstenwindler / github-actions-testPrivate

Unwatch1Fork0Star0

<> CodeIssuesPull requestsActionsProjectsSecurityInsightsSettings

WorkflowsNew workflow

All workflows

Continuous Integration

All workflows

Showing runs from all workflows

Filter workflow runs

34 workflow runsEventStatusBranchActor

✓ Add Deploy stage

Continuous Integration #34: Commit a04fa8b pushed by carstenwindlermain

22 hours ago43s

✓ Add Deploy stage

Continuous Integration #33: Commit c85b0ea pushed by carstenwindlermain

22 hours ago42s

✓ Add Deploy stage

Continuous Integration #32: Commit 6b1dd1a pushed by carstenwindlermain

23 hours ago45s

✓ Add Deploy stage

Continuous Integration #31: Commit 4c2682d pushed by carstenwindlermain

23 hours ago41s

✗ Add Deploy stage

Continuous Integration #30: Commit 7fe06da pushed by carstenwindlermain

yesterday43s

carstenwindler / github-actions-testPrivate

Unwatch1Fork0Star0

<> CodeIssuesPull requestsActionsProjectsSecurityInsightsSettings

✓ Add Deploy stage

Continuous Integration #34

Re-run all jobs

Summary

Jobs

✓ pipeline

Triggered via push 22 hours ago

Status

Total duration

carstenwindler pushed -> a04fa8bmain

Success

43s

Billable time

Artifacts

1m

2

ci.yml

on: push

✓ pipeline33s

Artifacts

Produced during runtime

Name

Size

release953 KB

reports764 KB

carstenwindler / github-actions-test Private

Unwatch 1 Fork 0 Star 0

Code Issues Pull requests **Actions** Projects Security Insights Settings

✓ Add Deploy stage Continuous Integration #34

Re-run all jobs ...

Summary

Jobs

✓ pipeline

pipeline

succeeded 22 hours ago in 33s

Search logs

- > ✓ Set up job 1s
- > ✓ Checkout latest revision 1s
- ▼ ✓ Install PHP 1s
 - 1 ▶ Run shivammathur/setup-php@v2
 - 6 /usr/bin/bash /home/runner/work/_actions/shivammathur/setup-php/v2/src/scripts/run.sh
 - 7
 - 8 ==> Setup PHP
 - 9 ✓ PHP Found PHP 8.1.7
 - 10
 - 11 ==> Setup Tools
 - 12 ✓ composer Added composer 2.3.9
 - 13
 - 14 ==> Setup Coverage
 - 15 ✓ pcov.enabled=1 Added to php.ini
 - 16 ✓ coverage: pcov PCOV 1.0.11 enabled as coverage driver
 - 17
 - 18 ==> #StandWithUkraine
 - 19 ✓ read-more <https://setup-php.com/support-ukraine>
- > ✓ Get composer cache directory 0s
- > ✓ Cache dependencies 1s
- > ✓ Install composer dependencies 7s

```
$ git add src/Controller/ProductController.php
$ git commit -m "Some arbitrary changes"
pre-commit:
- vendor/bin/php-cs-fixer fix --dry-run : failed
failed to execute: vendor/bin/php-cs-fixer fix --dry-run
1) src/Controller/ProductController.php
Checked all files in 0.007 seconds, 14.000 MB memory used
Loaded config default from "/home/curtis/dev/github-actions-test/.php-cs-fixer.dist.php".
Using cache file ".php-cs-fixer.cache".
$
```

```
$ vendor/bin/php-cs-fixer fix
Loaded config default from "/home/curtis/dev/github-actions-test/.php-cs-fixer.dist.php".
Using cache file ".php-cs-fixer.cache".
1) src/Controller/ProductController.php
Fixed all files in 0.007 seconds, 14.000 MB memory used
$
```

```
$ git status
On branch main
Your branch is ahead of 'origin/main' by 5 commits.
  (use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   src/Controller/ProductController.php

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   src/Controller/ProductController.php

$
```

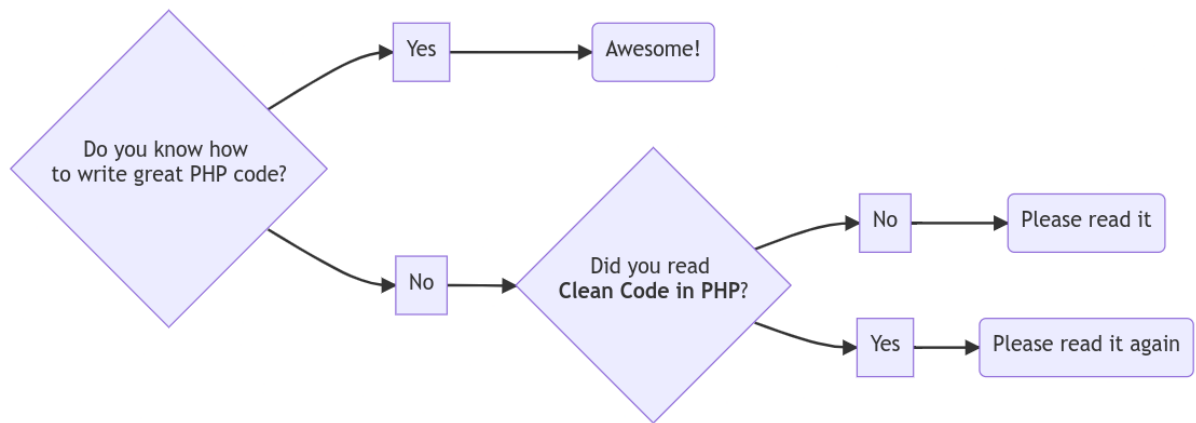
```
$ git add src/Controller/ProductController.php
$ git commit -m "Some arbitrary changes"
pre-commit:
- vendor/bin/php-cs-fixer fix --dry-run : done
- vendor/bin/phpstan : done
On branch main
Your branch is ahead of 'origin/main' by 5 commits.
  (use "git push" to publish your local commits)


nothing to commit, working tree clean
$
```

Chapter 12: Working in a Team

No Images...

Chapter 13: Creating Effective Documentation



 **Swagger**
powered by SMARTBEAR

[Explore](#)

Product API

0.1 OAS3

[/openapi-attributes.json](#)

default

GET

/product

Parameters

Try it out

Name	Description
limit integer (query)	How many products to return at one time

Responses

Code	Description	Links
200	Returns the product data	No links