



# PHPUnit

Alfonso De La Guardia



# Task Organization

- First, I worked in the practical aspect of the project

- The presentation was prepared in the end.

# Lessons Learned



-PHPUnit

-Assertions

-Composer



# Difficulties Arisen

- Difficulty installing Composer and PHPUnit.

- Difficulty understanding the functionality of PHPUnit

- Difficulty executing the first test using PHPUnit classes



# What is Phpunit.xml used for?

PHPUnit is used to put the configurations of the functionality of PHPUnit.

-It works through attributes, such as:

- backupGlobals
- backupStatic Attributes
- Bootstrap Attribute

Among many others



# Parameters of phpunit.xml

There are many parameters of phpunit.xml, such as:

- backupGlobal attribute
- backupStatic attributes
- Bootstrap attribute
- cacheResult attribute
- cacheResultFile attribute



# Enabling color option

This attribute configures whether colors are used in PHPUnit's output:

- Setting this attribute to true is equivalent to using `--colors=auto` CLI option.
- Setting this attribute to false is equivalent to using `--colors=never` CLI option.

# Defining a path for storing tests

- For setting a path for storing tests, you must use the `<testsuites>` Element.
- Inside the phpunit.xml file, in the testsuite section, you must indicate the route

```
<testsuite name="MyTests">
```

```
    <directory>../path/to/some/tests</directory>
```

```
</testsuite>
```



# Verification methods

- **Numerical Values:** For verifying numerical values, you can use `assertCount()`.

```
assertCount($expectedCount, $haystack[, string $message = ''])
```

It reports an error identified by `$message` if the number of elements in `$haystack` is not `$expectedCount`.

- **Text strings:** For verifying numerical values, you can use `assertIsString()`.

```
assertIsString($actual[, $message = ''])
```

Reports an error identified by `$message` if `$actual` is not of type string.

- **Arrays:**

```
assertArrayHasKey(mixed $key, array $array[, string $message = ''])
```

Reports an error identified by `$message` if `$array` does not have the `$key`.

# Verification methods

- **Classes:**

- assertClassHasAttribute()

- assertClassHasStrictAttribute()

- **Directories and Files:**

```
assertDirectoryExists(string $directory[, string $message=''])
```

Reports an error identified by \$message if the directory specified by \$directory does not exist.

- **JSON:**

- assertJsonFileEqualsJsonFile()

- assertJsonStringEqualsJsonFile()

- assertJsonStringEqualsJsonString()



THANKS!