# Contributing to php-webdriver

We love to have your help to make php-webdriver better!

Feel free to open an [issue](https://github.com/php-webdriver/php-webdriver/issues) if you run into any problem, or

send a pull request (see bellow) with your contribution.

## Code of Conduct

The code of conduct is described in [`CODE\_OF\_CONDUCT.md`](CODE\_OF\_CONDUCT.md)

## Workflow when contributing a patch

1. Fork the project on GitHub

2. Implement your code changes into separate branch

3. Make sure all PHPUnit tests passes and code-style matches PSR-2 (see below). We also have Travis CI build which will automatically run tests on your pull request.

4. When implementing notable change, fix or a new feature, add record to Unreleased section of [CHANGELOG.md](CHANGELOG.md)

5. Submit your [pull request](https://github.com/php-webdriver/php-webdriver/pulls) against `main` branch

When you are going to contribute, please keep in mind that this webdriver client aims to be as close as possible to other languages Java/Ruby/Python/C#.

FYI, here is the overview of [the official Java API](http://seleniumhq.github.io/selenium/docs/api/java/)

### Run unit tests

There are two test-suites: one with unit tests only, second with functional tests, which require running selenium server.

To execute all tests simply run:

./vendor/bin/phpunit

If you want to execute just the unit tests, run:

./vendor/bin/phpunit --testsuite unit

For the functional tests you must first [download](http://selenium-release.storage.googleapis.com/index.html) and start

the selenium standalone server, start the local PHP server which will serve the test pages and then run the `functional`

test suite:

java -jar selenium-server-standalone-3.9.1.jar -log selenium.log &

php -S localhost:8000 -t tests/functional/web/ &

./vendor/bin/phpunit --testsuite functional

The functional tests will be started in HtmlUnit headless browser by default. If you want to run them in eg. Firefox,

simply set the `BROWSER\_NAME` environment variable:

...

export BROWSER\_NAME="firefox"

./vendor/bin/phpunit --testsuite functional

To test with Geckodriver, [download](https://github.com/mozilla/geckodriver/releases) and start the server, then run:

export GECKODRIVER=1

export BROWSER\_NAME=firefox

./vendor/bin/phpunit --testsuite functional

### Check coding style

Your code-style should comply with [PSR-2](http://www.php-fig.org/psr/psr-2/). To make sure your code matches this requirement run:

composer codestyle:check

To auto-fix the codestyle simply run:

composer codestyle:fix