Code quality

See [Codacy report](#).

Code performance

Performance tests have been performed with BlackFire on the Login, Home and Tasks pages, with different environments. Here is a summary of the results, as well as the details of the tests performed.
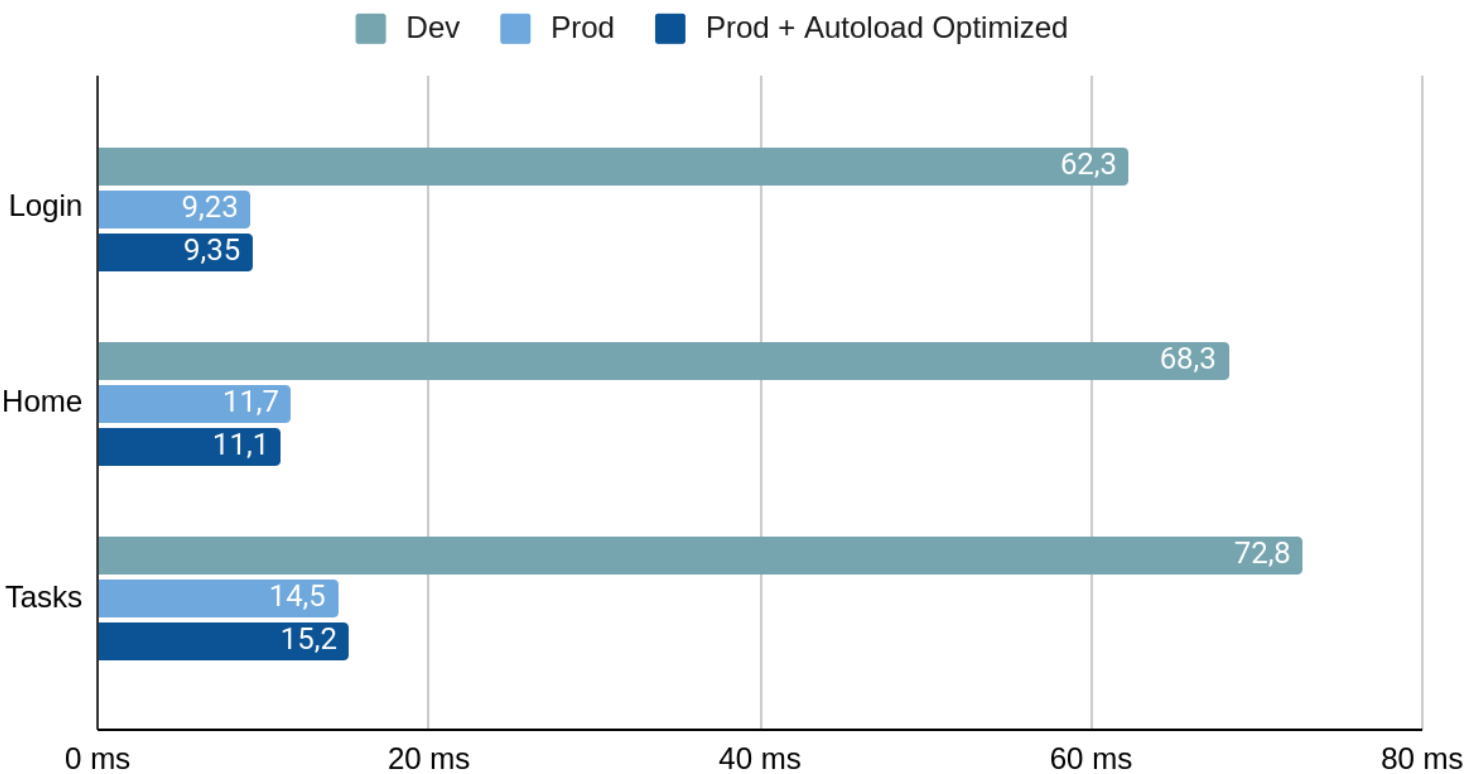
Condition of the tests

Between each environment change, the cache is emptied. Then the page is loaded a first time before being tested, to avoid generating the cache during the test.

For the Home and Tasks pages, it is necessary to be connected. On these pages the tests were made with an administrator account.

Results summary

Loading time per page depending on the environment

	Dev	Prod	Prod + Autoload Optimized
Login	62,3	9,23	9,35
Home	68,3	11,7	11,1
Tasks	72,8	14,5	15,2

As you can see, the loading time is proportional to the number of elements to load on each page.

The loading time is 5 to 7 times faster in Prod environment than in Dev. This is quite normal.

For the Prod + Autoload Optimized environment, we only see an improvement of the loading time for the Home page, compared to Prod.

If we take the slowest page with the best environment, then we have a maximum load time of 14.5 milliseconds for this set of tests. **This result is more than satisfactory**.

Details of the tests performed

Here are a few more details on the tests performed.

200 GET https://127.0.0.1:8000/tasks   *Tasks (prod + autoload optimized)*
Created less than a minute ago by **Romain Royer**
php ⊗ ⚠ | ↪ 0 rq   ⏱ 15.2 ms   🖥 3.72 MB   🌐 0 µs / 0 rq   🗄 0 µs / 0 rq

200 GET https://127.0.0.1:8000/tasks   *Tasks (prod)*
Created 1 minute ago by **Romain Royer**
php ⊗ ⚠ | ↪ 0 rq   ⏱ 14.5 ms   🖥 3.72 MB   🌐 0 µs / 0 rq   🗄 0 µs / 0 rq

200 GET https://127.0.0.1:8000/tasks   *Tasks (dev)*
Created 1 minute ago by **Romain Royer**
php ⊗ ⚠ | ↪ 0 rq   ⏱ 72.8 ms   🖥 8.2 MB   🌐 0 µs / 0 rq   🗄 0 µs / 0 rq

200 GET https://127.0.0.1:8000/   *Home (prod + autoload optimized)*
Created 4 minutes ago by **Romain Royer**
php ⊗ ⚠ | ↪ 0 rq   ⏱ 11.1 ms   🖥 3.45 MB   🌐 0 µs / 0 rq   🗄 0 µs / 0 rq

200 GET https://127.0.0.1:8000/   *Home (prod)*
Created 4 minutes ago by **Romain Royer**
php ⊗ ⚠ | ↪ 0 rq   ⏱ 11.7 ms   🖥 3.45 MB   🌐 0 µs / 0 rq   🗄 0 µs / 0 rq

200 GET https://127.0.0.1:8000/   *Home (dev)*
Created 5 minutes ago by **Romain Royer**
php ⊗ ⚠ | ↪ 0 rq   ⏱ 68.3 ms   🖥 7.79 MB   🌐 0 µs / 0 rq   🗄 0 µs / 0 rq

200 GET https://127.0.0.1:8000/login   *Login (prod + autoload optimized)*
Created 13 minutes ago by **Romain Royer**
php ⊗ ⚠ | ↪ 0 rq   ⏱ 9.35 ms   🖥 3 MB   🌐 0 µs / 0 rq   🗄 0 µs / 0 rq

200 GET https://127.0.0.1:8000/login   *Login (prod)*
Created 16 minutes ago by **Romain Royer**
php ⊗ ⚠ | ↪ 0 rq   ⏱ 9.23 ms   🖥 3 MB   🌐 0 µs / 0 rq   🗄 0 µs / 0 rq

200 GET https://127.0.0.1:8000/login   *Login (dev)*
Created 17 minutes ago by **Romain Royer**
php ⊗ ⚠ | ↪ 0 rq   ⏱ 62.3 ms   🖥 7.08 MB   🌐 0 µs / 0 rq   🗄 0 µs / 0 rq

Maintain a quality and performing code

- Regularly update the libraries used, and remove those that are not or no longer useful
- Keep the code clean and reduce duplication as much as possible