

Testing report

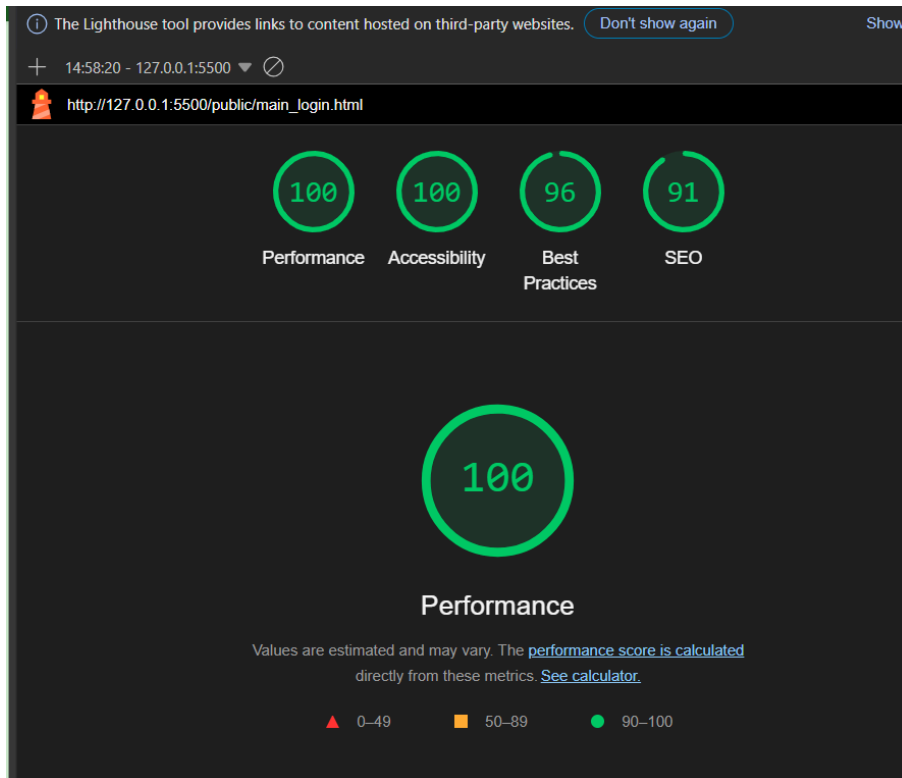
Here is the testing report :

so we have the Lighthouse test

we used it to make multiple optimizations using its feedback :

DIAGNOSTICS		
▲	Serve images in next-gen formats — Potential savings of 35 KiB	▼
▲	Eliminate render-blocking resources — Potential savings of 100 ms	▼
▲	Page prevented back/forward cache restoration — 1 failure reason	▼
■	Image elements do not have explicit width and height	▼
■	Minify JavaScript — Potential savings of 105 KiB	▼
■	Enable text compression — Potential savings of 5 KiB	▼
■	Reduce unused JavaScript — Potential savings of 101 KiB	▼
○	Avoid chaining critical requests — 2 chains found	▼
○	Minimize third-party usage — Third-party code blocked the main thread for 0 ms	▼
○	Largest Contentful Paint element — 1,360 ms	▼

and we finally manage to obtain :



Then we tested it all the functionalities described here :

- 1. Test User Registration:**
 - Go to the `register.html` page.
 - Fill in the username and password fields and submit the form.
 - Verify that the user is created in the database and redirected to the login page.
- 2. Test User Login:**
 - Go to the `main_login.html` page.
 - Enter valid credentials and log in.
 - Verify that the token is stored in `localStorage` and the user is redirected to the `questions.html` page.
- 3. Test Digital Footprint Submission:**
 - On the `questions.html` page, fill in the form with valid data and submit it.
 - Verify that the score is saved in the database and the user is redirected to the `results.html` page.
- 4. Test Results Display:**
 - On the `results.html` page, verify that the last calculated score and all past scores are displayed correctly.
- 5. Test Admin Features:**
 - Log in as the admin user (`username: admin` , `password: admin`).
 - On the `admin_dashboard.html` page:
 - Create a new user and verify it is added to the database.
 - Update a user's password and verify the change.
 - Delete a user and verify it is removed from the database.

All the CRUD functions are working and we will show it also during the presentation.

And all the ecological testing are reported in a report dedicated for.