Remember that the quality of the defenses, hence the quality of the of the school on the labor market depends on you. The remote defences during the Covid crisis allows more flexibility so you can progress into your curriculum, but also brings more risks of cheat, injustice, laziness, that will harm everyone's skills development. We do count on your maturity and wisdom during these remote defenses for the benefits of the entire community.

SCALE FOR PROJECTCLOUD-1 (/PROJECTS/42CURSUS-CLOUD-1)

You should evaluate 1 student in this team

Git repository

Introduction

To ensure this evaluation goes smoothly, please respect the following set of rules :

- Please remain courteous, polite, respectful and constructive at all times during this exchange. The trust bond between the school's community and yourself depends on it.

- Should you notice any malfunctions within the submitted project, make sure you take the time to discuss those with the student (or group of students) being graded.

- Keep in mind that some subjects can be interpreted differently. If you come accross a situation where the student you're grading has interpreted the subject differently than you, try and judge fairly whether their interpretation is acceptable or not, and grade them accordingly. Our peer-evaluation system can only work if you both take it seriously.

Guidelines

- You may only evaluate whatever is in the GiT submission directory of the student you are grading.

- Make sure to check wether the GiT submission directory belongs to the student (or group) you're grading, and that it's the right project.

- Make sure no mischievous aliases have been used to trick you into correcting something that is not actually in the official submitted directory.

- Any script created to make this evaluation session easier - whether it was produced by you or the student being graded - must be checked rigorously in order to avoid bad surprises.

Attachments

subject.pdf (https://cdn.intra.42.fr/pdf/pdf/21425/en.subject.pdf)

readme.pdf (https://cdn.intra.42.fr/pdf/pdf/21427/en.readme.pdf)

General

Simple functionalities - front

Go to the student's website. Does the content
displayed is a wordpress site? If you
refresh the page multiple times, does the content
remains the same (except for any
visual identification of the website we are on)?
Scroll in the pages, refresh the content, does that
works? Is the current server's IP listed in the page
somewhere, and can we access each server by using
this IP?

Yes

No

Yes   No

Simple functionalities - CDN

To improve the performance of its site, static content must be loaded
from a CDN mechanism. Check at least that the CSS of the site is loaded
from any CDN. Ask the student to explain in a few words why a CDN
significantly improves the performance of its site.

Yes   No

- If the student who is grading this project hasn't done the projecthim/herself yet, he/she must read the whole topic before starting the

evaluation session.

-       Use the flags available to you on this scale in order to report asubmission directory that is empty, non-functional, that contains a norm errors or a case of cheating, etc... In this case, the evaluation session ends and the final grade is 0 (or -42, in case of cheating). However, unless the student has cheated, we advise you to go through the project together in order for the two (or more) of you to identify the problems that may have led for this project to fail, and avoid repeating those mistakes for future projects.

Simple functionalities - infra

The student must prove to you that his site runs constantly on at least two separate servers, and that visitors are randomly redirected to any of these servers. To do this, it must show you that 2 servers are running well in parallel, and you must be able to verify that you have a hit on one, a hit on the other, randomly.

The database must be separated from web instances.

The student logs into his website's administration console. Do you always stay logged, whatever the instance you come across?

Otherwise, the evaluation stops.

Yes   No

Simple functionalities - instances sync

The corrector goes to google images and selects any image of its choice, and downloads it to the desktop. Then create a new article in wordpress, upload the image and insert text and this image in the article, then publish it. Display the article, then refresh the page so that you can see it on both instances.

Does the text and image load well, at least within a reasonable time (a few seconds, not more than a minute)? Otherwise, the defense stops.

Yes   No

Simple functionalities - diagram

On the student's deposit is an architectural diagram. The student must explain how it works. Question it, discuss it.

If you are convinced, it's good. Otherwise, the defense stops.

Yes   No

Scalability, High disponibility, Security

Scalability

In the administration console of your infrastructure provider, show what mechanisms you have in place to automatically support traffic increases and decreases. Simulate an increase in traffic so as to launch several new instances, then go to the site and check that the site is properly accessible on these new instances. Then delete the instances so that you return to the two original instances. If one of these points does not seem satisfactory, the defense stops.

Yes   No

High disponibility

Simulate a hardware failure of an instance. Is the site still running? Does another instance automatically go back up in order to respect the "2 instances minimum" rule? If yes, 2 points, otherwise the defense stops there.

If you cut the two instances, are 2 new instances restarted automatically? If yes, 2 points, otherwise the defense stops there. Does the administrator receive any email or notification in the event of a problem? If yes, 1 point (otherwise the defense continues anyway).

Rate it from 0 (failed) through 5 (excellent)

High disponibility 2

If the database were also to fall, what would happen? Demo if possible, but it may take a bit of time, so the theory, properly substantiated, may suffice.

If everything is managed automatically, 5 points. If manual actions are necessary without data loss, 3 points. If manual actions are necessary with limited loss of data (<24h), 1 point. If all is lost, 0 points, but the defense continues.

◯

Rate it from 0 (failed) through 5 (excellent)

Security

What arrangements have been made by the user for securing their content? Only ports 80/443 (HTTP / HTTPS) should be accessible from the outside on the instances. Port 22 (SSH) should at least be blocked except from predefined IPs. The database must be accessible only on the port necessary for its operation and only from the instances of the site. If other security mechanisms are

◯

present, it's cool, discuss it.

Rate it from 0 (failed) through 5 (excellent)

Costs handling

Has the student correctly sized their instances (web server, database, etc.)? The entire project must be able to be done without exceeding the limit of credits offered by the service provider, or even in some cases without using these credits (free tier or equivalent).

Ratings

Don't forget to check the flag corresponding to the defense

☐ Ok   ☐ Outstanding project

☐ Empty work   ☐ No author file   ꇙ Invalid compilation   ☐ Norme   ☐ Cheat   ꒯ Crash

☐ Incomplete group   ⊥ Forbidden function

Conclusion

Leave a comment on this evaluation

Finish evaluation