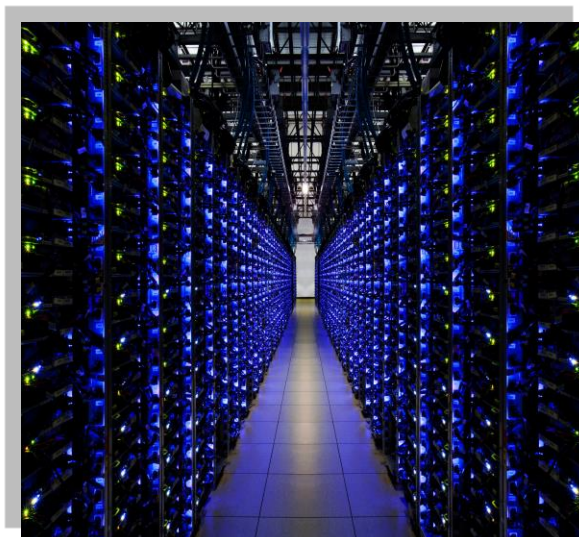


Interacção Pessoa-Máquina
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Server Manager

Stage 4 : Computer Prototype



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Problem

The main situation is based on creating an application that allows a much more freely and facilitated control and manipulation of multiple servers.

To be more explicit, it allows the creation of numerous servers, choose their type and the details related to them, along with the ability to manually change their aspects after creation, removal of said servers, add other already created servers to your own list and the capability of decide who can manage your servers as well (namely other users of the site).

Start-up

To start the usage of the prototype, it only needs internet connection, with pretty much any sort of inexistence requirements that must be satisfied by the computer in terms of costs.

However, preference says to choose Google Chrome as the main browser, but in case of not being possible, Firefox can also be used as replacement. Other browsers are not confirmed to work properly or not.

The basis of the project for the class is reflected in the management of multiple servers, controlled by our application that allows their creation and general control of the several servers available for design and manufacture by the primary user – **The Computer Prototype version.**

Tools used: php 5.7, html, css, mysql, javascript, apache 2.4

Some of the code used was taken and modified from the following websites:

- <http://www.html-form-guide.com/php-form/php-registration-form.html>
- <http://www.javascript-coder.com/html-form/javascript-form-validation.phtml>

(Note: the search function is not implemented)

Task Scenarios

A proper start, creating your first server:

We start by going to the website (<https://servermanagement.000webhostapp.com/index.php> or <https://yuuded.github.io/>).

You are new to this so you do not have an account yet. Let's take care of that first shall we?

Are you done? Alright, then make sure to log in. After the log in, as you can see, you have nothing of course. Do not worry, let us make sure that feeling of void doesn't last long. Create a server by clicking on the respective option.

Of course you can't just create a server. You have to put your own discrete directions of what you want of a server. The server we want is a web server alright? Put all the details (you don't have to worry any sort of specifications thought) you want and then save it afterwards.

Good job, you created your first server!

Modifying servers:

In this task now, we use an already created account just for this task purpose. Now that you finished the first task, use one of the test created accounts we provide for this one please (appendix).

Some of our beloved servers are having some problems. However, for now, we are only concerned of one that it seems that its capacity is almost full. As such, you need to identify which of servers is having such crisis and fix this situation.

After you find the respective one, analyze its status and modify its configurations properly to solve the issue.

Control and watch over a server can be hard and stressful. How about making one of your friends an administrator to help you out?

(NOTE: don't consider the other test accounts as friends for the purpose of this task)

Don't forget to save all these changes alright?

After making all these changes, just give a quick look to the server's report and see if all your work has been positively applied.

Server deployment and removal

Same as before, we need to use test accounts for the sake of this scenario. Please open the same account you used before in task 2 (or in case you didn't do task 2, just open one of the many test accounts).

Roam around the list of servers you have. What is this? Seems like there is an offline server among them...

Let us turn it on shall we? If you are curious, you can open the report status just to check the server's condition.

Let us roam the server list once more...hmmm, seems like there is one server that is indeed online but no one is using it for quite some time. Guess it is time to reform it. Let's just remove stuff shall we?

First, turn off the said server.

Then, remove the server and you are done, good job!

Appendix

Contas a serem usadas é as seguintes (a palavra passe é igual para todos, "teste"):

- test1@gmail.com
- test2@gmail.com
- test3@gmail.com
- test4@gmail.com
- test5@gmail.com
- test6@gmail.com