C1 - Piscine PHP

C-COD-150

Rush PHP

First Rush ! Good Luck, Have Fun !

{ EPITECH. }

Rush PHP

repository name: pool_php_rush
repository rights: ramassage-tek

- Your repository must contain the totality of your source files, but no useless files (binary, temp files, obj files,...).

- Error messages have to be written on the error output, and the program should then exit with the 84 error code (0 if there is no error).

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+ Introduction

This rush will use most of the concepts that you have learned during the PHP pool, and will let you combine PHP and HTML/CSS.

Rushes are less restraining than exercises, don't hesitate to add functionalities. These functionalities can be awarded bonus points. But don't forget that, before thinking of bonus points, your project must implement the basic functionalities!

Your programming must be object-oriented.

The database needed for this rush is given to you with this subject. You can use it as a reference, but you are free to edit it to best suits your needs.

You have to do a homogeneous and coherent site design.

+ Step 1: Login/Register

Location: pool_php_rush/step_1
Restrictions:
- No style attribute in the HTML. If needed, you will use an extra CSS file.
- No JavaScript code in the HTML. If needed, you will use an extra JS file.

Create a page named "index.php". This page should become accessible once the user is connected.
This page will be the main page of your business site.

First, you must implement a registration form in a page named "inscription.php" and a connection form in a page named "login.php".

The registration page lets you create a new user in a database. This user must have a username, an email and a password.

The login page must verify the login/mail and the password of the user wanting to log in, and redirect him to the index if his credentials are correct.

If, for any reason, some of the form fields are incorrect, you must display explicit error messages and redirect the user to the form.

Finally, you will implement a logout button in the page "index.php".

Location: pool_php_rush/step_2
Restrictions:
- No style attribute in the HTML. If needed, you will use an extra CSS file.
- No JavaScript code in the HTML. If needed, you will use an extra JS file.

Take the pages created during Step 1. Once connected, your users will have access to an administration page named "admin.php", if and only if they have administrator rights in the database.

This page will have the following features:
- Creating a user in the database.
- Deleting a user in the database.
- Editing a user in the database.
- Displaying a user.
- Adding a new product.
- Deleting a product.
- Editing a product.
- Displaying a product.

One you finished the administration page and these features, you will implement one or several pages to display the product list and their characteristrics. You should have access to them in your "index.php" page.

> A product has a name and a price attribute. It is also linked to a category.

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+ STEP 3: CATEGORIES

Location: pool_php_rush/step_3
Restrictions:
- No style attribute in the HTML. If needed, you will use an extra CSS file.
- No JavaScript code in the HTML. If needed, you will use an extra JS file.

Take the pages created in the preceding steps.
In this step, you will make it possible to create new categories of products in the administration panel.

There should be no limit on category level. Thus, a furniture category can contain a chair category, itself containing two categories wooden hair and plastic chair, etc… Look out for infinite loops …

A category can contain both other categories and products.

+ STEP 4: SEARCH ENGINE

Location: pool_php_rush/step_4
Restrictions:
- No style attribute in the HTML. If needed, you will use an extra CSS file.
- No JavaScript code in the HTML. If needed, you will use an extra JS file.

Take the pages created in the preceding steps.

In step 4, you must implement an advanced search system that can look for products by category, price, name, and display the results in a dedicated page.

In addition, your search engine should give the possibility to sort the results (alphabetically, reverse alphabetically, increasing price, decreasing price, etc...)

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+ Bonus

Location: pool_php_rush/bonus
Restrictions:
- No style attribute in the HTML. If needed, you will use an extra CSS file.
- No JavaScript code in the HTML. If needed, you will use an extra JS file.

Bonus Ideas:

- Use of API Facebook/Twitter to share product information.
- User page displaying various types of information.
- History of visited products.
- Possibility to get your password back by mail/secret question if forgotten.
- Send a mail from product page so that the user can recommend the product to a friend or relative.
- Possibility to upload an avatar and to display it once connected.
- Possibility to send messages to other users.
- A practical and well-designed user interface.
- Use of AJAX.
- …

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