



# Rush0 of the PHP Piscine

ft\_minishop

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*Summary: This rush is here to help you set-up a mini e-commerce website and make you practice all the basics seen this week. But before anything, you will need to set up your own data management system.*

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# Chapter I

## Foreword

**Roger** : All right, I have everything we need.

**Roger** : Chocolate milk, cheese crisps, and some speed I just bought in the bathroom.

**Steve** : Wait, Roger, Are your sure it's a good idea?



**Roger** : I have never been more sure of anything in my life.

**Roger** : You see, everything is about moderation, now, I am going to have 5 crisps and not one more.



**Steve** : “One Leg”, please, drive on the proper side of the road.

**Roger** : Why are you calling me “One Leg”, do you have a problem with my legs?

**Roger** : Is that why there’s a wheelchair in the car?

**Roger** : What have you done with my legs you fucking Nazi?

**Klaus** : Steeve, who is he talking to now?

**Roger** : And you, Garfield, why do you hate Mondays? You don’t even work!



# Chapter II

## General Instructions

The following recommendations are all part of the defence scale. Be very careful when you apply those as they are sanctioned by a grade of 0 with no appeal.

- In case there was be a doubt, this rush is of course to be created in PHP.
- Javascript, HTML et CSS are authorised.
- HTML templates are forbidden.
- Javascript libraries are authorized only for the bonus part.
- This project will be corrected by humans only.
- You have to handle errors carefully. (ex: no SQL should be possible).
- Object oriented programming is forbidden (check out mysql's procedural mode).
- Remember to maintain your own logic in the hierarchy and structure of your project.
- Anything not specifically authorized is therefore forbidden.
- You can ask your questions on the forum, on slack...
- Good luck to all for this rush!

# Chapter III

## Subject

### III.1 Mandatory part

Following your first week of training on web, you will have to -in a weekend- create a mini e-commerce online shop. For those that don't know what an online shop is, please check the list [here](#). Note: It's in french but most of the website listed have an english translation and it's about getting an overview of the design and features.

The tool you will use for your server from now on is PAMP, developed by 42. That one is still in beta, please help us make it better by bringing up the bugs you will encounter by ticket or on the [forum](#).



Of course, we won't ask of you that it is as complete as some CMS generated websites, however, you will have some mandatory modules to develop.

An e-commerce website must be able to manage the following features:

- **Data management:** You need to implement, either your own data management (creation, modification and removal of data) in the format you want (ex: CSV), or using mysql. The data management is a key element to the design of your site.
- **User management:** You must be able to create and delete a user account. The login to your site is essential before one can validate your basket, however, it can be possible to fill it before being identified. To do that, look at PHP sessions.
- **A basket:** It must contain the list of products that your client wants to buy, the price and the quantity of each article, as well as the total cost. It must have a validation button to archive the order.
- **Categories and associated products:** As for any e-commerce website, it requires to be able to organize the products by categories. So, one category can contain multiple products, but one article can belong to multiple categories. It's up to you to conceptualize your data base before your start.
- **A landing page:** That page is the showcase of your website, it must be attractive and intuitive so that your clients will want to buy. For that, the page can contain

the connection section, the account creation, the basket and a preview of a few articles and categories. The organization of your modules will improve the user experience.

- **Administrative section:** In this section, we are asking come up with a way to give an exclusive access to some users. Those users will be able to manage the content of your site (add, modify, remove articles, categories and users)..

In summary, a user must be able to register, connect, add articles in his basket and validate his order. Once validated, the order must be visible from the administration section..

## III.2 Bonus part

To allow you to go further in the development of your e-commerce website, we are proposing some bonus features. To take these bonus points into account, we are asking you to have a fully functional website and to obtain the grade of 75.

Here are a few ideas of bonuses that can be interesting:

- Stock management
- Itemisation of the articles (color, size, etc.)
- Advanced users info
- Captcha
- API
- Graphics/Statistics generation
- Printable invoice generation
- Registration/connection via Oauth

You can inspire yourself from numerous existing e-commerce websites to find more bonuses to implement. You are particularly free to create as long as the mandatory part is respected.

# Chapter IV

## Submission and peer correction

- You'll have to submit a file called `author` containing your usernames followed by a `'\n'` at the root of your repository.

```
$>cat -e auteur
xlogin$
ylogin$
$>
```

- Your website must contain at least the following files: `index.php` and `install.php`. The `index.php` file will be the entry point of your site, the `install.php` will create your database and everything you require to initialize your website.
- Only the work on your repository will be graded.
- The size of attached files (images, librairies) with the source files cannot exceed 5Mo.
- Any useless file will be penalized.