Database engineering with PHP week 5 & 6

For these assignments we are going to use the Kommaardoor website made in period 1

5.1 Assignment 1

All products are now "hardcoded" in the HTML on the product page. Of course, this is not how a modern page should work. In this assignment we are going to make preparations for a more dynamic approach of the product page.

Create a database and table in which Kommaardoor's products can be stored. The following components must be stored:

- A unique identifier;
- Product name;
- Short description (a sentence);
- URL to an image.

5.2 Assignment 2

Make the current products overview page of the Kommaardoor website dynamic. That is, all information about products must be extracted from the database table created in assignment 1.

TIP: Add a few products to the database, otherwise testing will be difficult.

The style of the Kommaardoor page can be ignored from assignment 3 and onwards. This means that you can create simple, yet functionally neat, pages.

5.3 Assignment 3

As could be noticed in assignment 2, adding products manually to the database is not ideal. It should be possible to do this on the website itself.

Create an administrator page where products can be managed. There must be an overview of all products, the possibility to add, change and remove products.

It must also be possible to add pictures. Instead of literally putting the images in the database, you can put the URL to the image on the server in the database.

TIP: The bug reporter assignment of week 4 is very similar to this assignment.

5.4 Assignment 4

In a normal situation, only registered administrators can access the admin page. To make this possible, we need a login system and a registration page. This assignment is about the registration page.

A registration page with a corresponding database table must be created with which administrators can register themselves.

The following information is required from an administrator:

- Name;
- Surname;
- A unique e-mail address;
- Password;
- Repetition of password.

All known checks must be executed. In addition, a check has to be executed whether both passwords are the same to prevent errors.

The passwords must be encrypted with the BCRYPT algorithm. The corresponding hash needs to be stored in the database.

Communicate any errors neatly to the user.

5.5 Assignment 5

Now that it is possible to register, it should also be possible to log in.

Create a login page where an administrator can log in with a username and password. Make sure that only a logged-in administrator can get to the page of assignment 3.

TIP: Password_verify