

Final-version specification

This coursework satisfies all the minimal and higher functionality specified in the coursework specification.

CMS pages functionality:

- adding, editing and deleting products
- adding and deleting categories
- products and categories can have picture in description (if no picture or invalid picture is selected, a default picture is used)
- browsing and searching through products
- setting design for website
- deleting all data (for fresh start)
- inserting testing data (for marking purposes)

Admin pages functionality:

- mark orders as delivered (send to customer)
- set warning limit, rendering warning if quantity of product in stock gets below set limit
- report on sales over certain period of time (e.g. last week, last month)
- list products in stock
- change quantity of products in stock (e.g. new stock has been delivered)

End customer pages functionality:

- browsing and searching through products
- browsing products by category
- putting products into basket
- editing basket
- filling in customer details and buying products

All three collection of pages have **AJAX search**, client pages have **clickable tabs** to display products from certain category. **DHTML** is used to hide and show (or disable) parts of pages that are not currently available. Also to update basket button to show the number of products in the basket. **Pagination** (showing only certain number of items per page and rendering “next page” and “previous page” links) is done on all the pages that are rendering products.

Additional information:

If image is being uploaded with a name that already exist on the server, the image is renamed. A recursive function is used to achieve this. That is better than rejecting of image because the user have no knowledge of what is already on stored on the server.

Search is comparing search string with name, category name, description and in admin and CMS pages also ID.

Basket is stored on client side in session storage. Warning limit (to warn if the stock is low) is set in local storage, to be stored across sessions.

Every user input is sanitized and validated against special characters.

Connect function can be called without parameters () so that if database would change, code has to be change only at place.

Regular expression is used to recognize price (e.g. 9.99).

References:

- <http://www.w3schools.com/>
- <https://developer.mozilla.org/en-US/docs/JavaScript>
- <http://php.net/manual/en/>
- <http://rjb.soc.port.ac.uk/talks/js/>
- regular expression for recognizing price:
<http://www.chrisnewland.com/php-validate-currency-with-pregmatch-39>
- pagination:
http://php.about.com/od/phpwithmysql/ss/php_pagination.htm