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Web Development and Deployment – Group Project  
Publication date 01.10.2018  
Due date 04.12.2018

I hereby declare that the information provided herein

was completed by me and is true to the best of my knowledge.

Personal contribution

My first responsibilities were to set up the database, which both heavily altered afterwards, and to prepare registration page and login page layouts. The logic behind those two were divided equally, my task being registration logic including form validation, regular expressions, PHP – MySQL insertion, password matching and hashing, general error handling and sanitization (which we took from the course material).

Profile page, layouts and logic, were done by me. In the main page I made the search bar extendable and modified the search query to be dynamic in searchResult.php.

Rest were achieved by my lab partner, or in lots of cases by both.

Overview of the Application (from the user’s point of view)

User enters the main page and can browse products or log in/register. If the user tries to enter different pages within the application by altering the URL-bar, for example to profile view without logging in first, the user is redirected to main page.

From the registration page user has options to either log in or go back to main page. If the user decides to register and enters valid credentials (e.g. password is min 8 characters long including capital and small letter and at least one digit), user is redirected to login page with a success message and records added to the database. If the email already exists in the database user is alerted and the user can move straight to login page using link in the registration page.

In login page user can either log in, go to registration page or to main page. When logging in and after checking that user exists and has entered matching credentials, redirection to main page will occur.

Once logged in, user can continue browsing products either selecting a category from the left side or by using search bar. Search bar also can be extended to include more advanced options. If the user inserts values to those advanced fields, only then the query will get affected. Now user can add items to the shopping cart and either continue shopping or go to the cart. From the cart user can cancel the purchase or proceed with it. If user proceeds with the ‘payment’ (not included in the project), the product gets removed from the cart and will become visible in the profile page’s *orders* tab.

From the main page the user can also go to profile page. In there the user can view and alter personal info, change the profile picture or even change the password. Update/delete functionality is handled using ajax, Parsley – jQuery plugin is used to handle the form validation. Same rules as in the registration form apply. If the user has made any orders and decides to delete the profile, all orders are kept in the database for store management reasons.

If user logs out or deletes the profile, page redirects to the main page.