

Documentation for Leone's project

The objective of this project is to create a web application that can manage and store clientele's data. The system's functions include the ability to add a new client, modify an already existing client's data, delete a client and add clientele purchases.

Such a system is required to have operators, which are accounts that can manage those functions, these accounts are required to login into the system via the authentication form, otherwise access to the system is forbidden.

In order for the system to be self-sufficient, a second type of user was implemented: Admin.

Admin users have the same functionalities as operators, but they can also manage operator accounts, in fact, admin users can add or delete operator accounts.

Technologies and requirements:

The web application has been implemented with the use of HTML, CSS, JS, jQuery, and PHP, this means that it is usable on any modern web browser.

The database for this application is written in MySQL, which means that in order for it to work it has to be hosted on a compatible server.

For this particular project the database has been hosted on a local server, but it is possible to relocate it to an online server without any particular problems, the only change needed to be made is to relocate the database address in the source files of the project.

Data storage:

Let's now take a look at what data will be stored inside the database:

- Clients: first name, last name, date of birth, email, city of residence, province of residence, address and postal code.
- Sales: item sold, date, price, client.
- Operators: username, password and account type (standard/admin).

Web application

Login:

The login page is the first thing a users sees when opening the web application, it isn't possible to access it in any other way; the login consists in a simple form to fill in with the user's credentials, the system will then check for matches in the database and, if matches are found, the user can access the system.

NavBar:

The navbar is a feature present in all of the applications' pages, it's use is mandatory for navigating the website, it's features are as follows:

- Home button
- Logout button
- List button: redirects the user to the clientele' list
- Add customer button
- Add sale button

There is also a section of the NavBar only visible to admin users, it's features are:

- Operators user list with delete option
- Add user button

Dashboard:

The dashboard is the first thing a user sees when logging into the system, it displays 4 windows:

- Registered customer count
- Items sold count
- Sales count
- Registered user count

Customer's list:

This page displays a table which contains the clientele's registered data, it is also possible to filter the search results with a filter box.

By clicking on a table row you get redirected to the customer's personal page in which its data is displayed, from here you have multiple options:

- Modify the customer's data
- Delete the customer's data
- Add a customer purchase

Add customer:

By clicking on the "Add customer" button on the navigation bar, you get redirected to the form which enables you to insert a customer's data into the database, once you are finished you can just click on the button underneath the form to add it to the database.

Add sale:

By clicking on the "New sell" button on the navigation bar, you get redirected to the form which enables you to insert a new sale into the database, once everything is set up you can just press the button for it to be inserted into the database.

Admin section:

This section is only visible to admin users, it contains two pages:

- Users: on this page you can view and delete any user that can operate the application.
- Add user: on this page you can fill a form that enables you to add an operating user into the database, both roles can be applied, which means you can create an operator or an admin user.