

4.3. Server Installation

There is a local host server in order to use for Smart Locking Control System. This server is used within the application and system itself. It is created in a local machine, so this server has not an IP to connect remotely for now.

4.3.1. Localhost

Wampserver 3.2.0 64bit was used to create a local host and its interface can be shown below figure 1. That program contains an Apache web server and MySQL database. The version of the tools are such as following: Apache Web Server 2.4.41, PHP 7.3.12, phpMyAdmin 4.9.2, MariaDB 10.4.10.

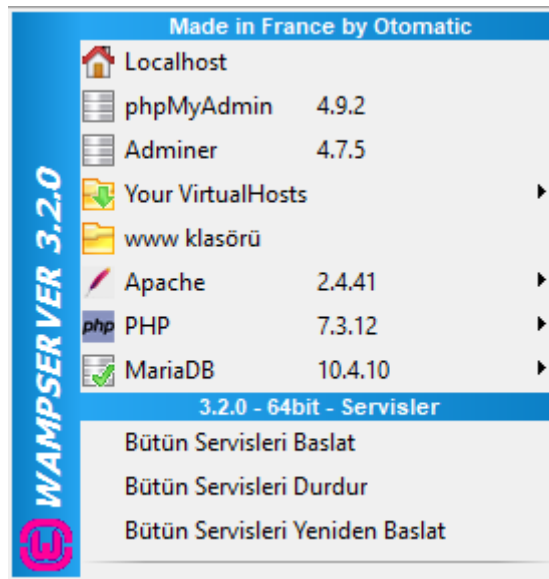


Figure 1: Interface of Wampserver

There are 4 PHP files for processes realize and 2 HTML files for control the user and register. These files are described below and can be assessable in the link below.

<https://github.com/powersttt/LoginApp>

init.php

This file makes the connection with database. It consists database name, host name, username and password. Other PHP files are used this file to make connection with database first.

login.php

This file was created for login process. It takes username and password, and controls the database whether username is registered and password is correct or not. It also gives a response depend on success of process.

register.php

This file was used for user registration. It takes the username, password and name. It checks the user whether was registered before and gives a response depend on that check and success of registration.

check_user.php

This file takes a username and gives a response that is name of user and user's registration status.

Apache web server was used for accessing these files in local PC. In addition, HTML files were used for controlling the login and registration. These are fundamental of possible web site. But, not in use for now.

4.3.2. phpMyAdmin

This is an interface for database. It provides a visual environment for creating SQL codes. It also runs normal SQL code. The database, table, row names and its type were given in here. Figure 2 shows database in phpMyAdmin. As it was seen, userdb is database name, login_info is table name and id, name, user_name, user_password are names of rows, respectively.

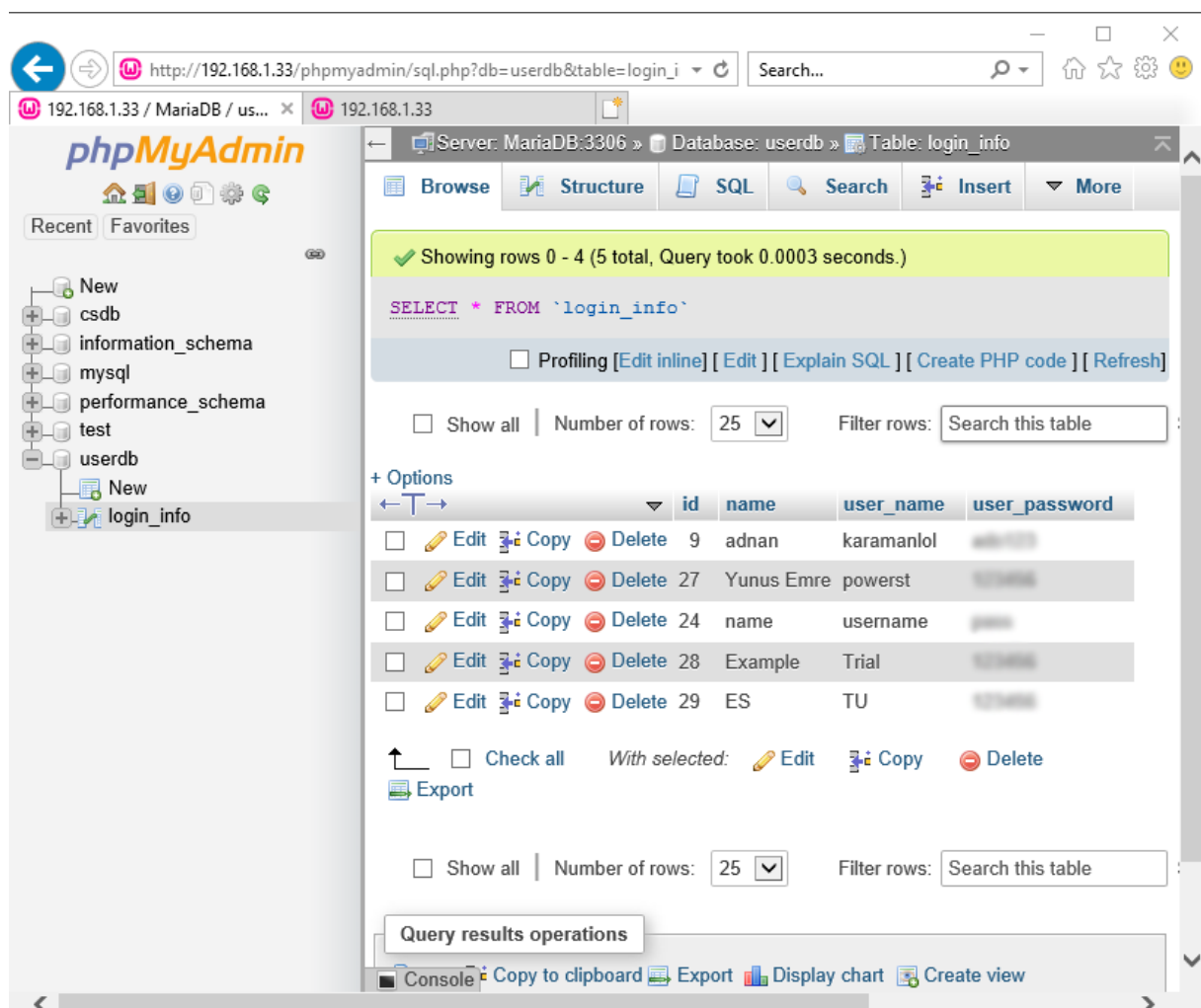


Figure 2: Database in phpMyAdmin