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## User Guide:

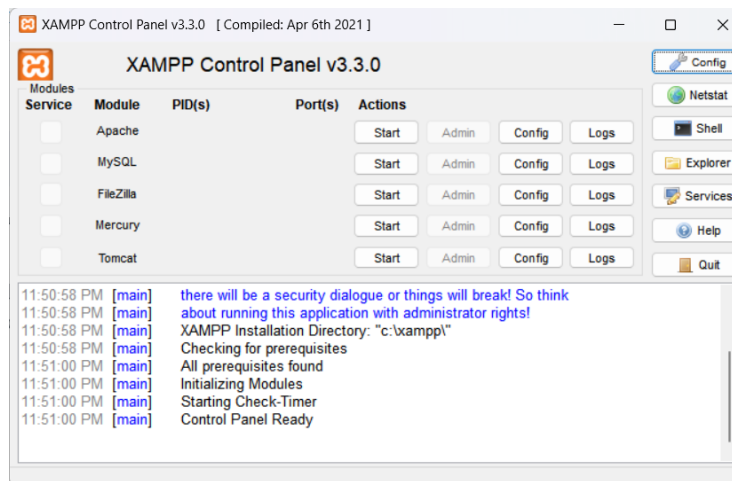
**Demo:** [Demo Video](#)

**Source Code:** The source code is conveniently accessible via this GitHub repository:

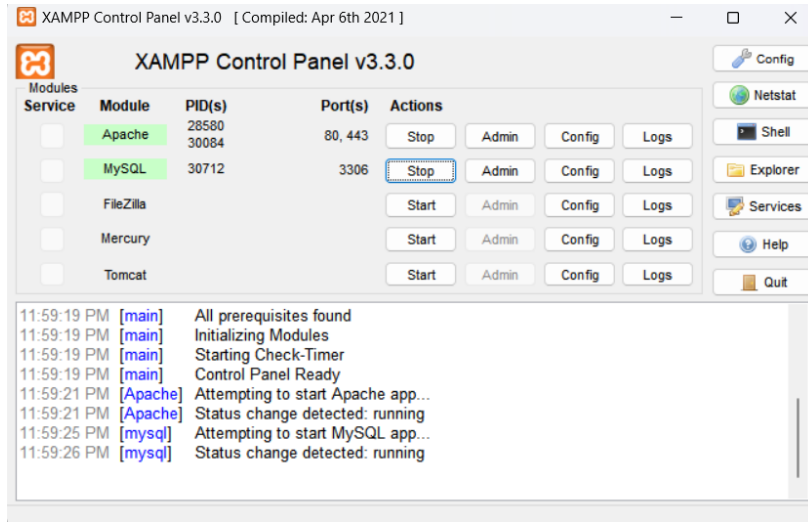
<https://github.com/armica-quejado/SFP/tree/Final-Copy>

## Installation and Setup:

1. Install Xampp
  - a. Xampp includes Apache, PHP and MySQL
  - b. You can install Xampp from this official website: <https://www.apachefriends.org/>
2. Install Vscode
  - a. Install VSCode: If you haven't already, download and install Visual Studio Code from the official website: <https://code.visualstudio.com>
3. Open Xampp Control panel and start Apache and Mysql



- a.
4. Make sure Apache and Mysql turn green



a.

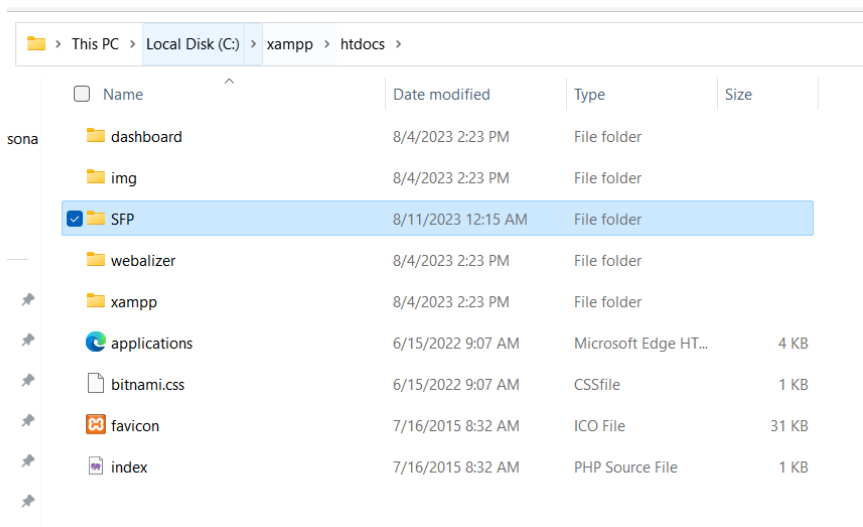
5. Navigate to program folder for XAMPP

a. Find the htdocs folder.

b. Download the Zip folder for the code from the repo and name it SFP

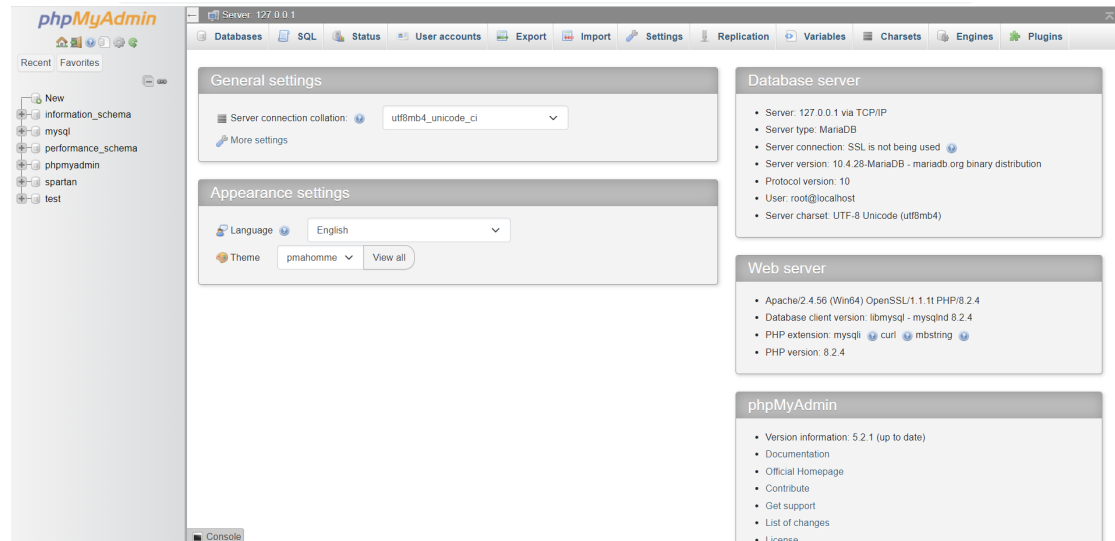
<https://github.com/armica-quejado/SFP/tree/Final-Copy>

c.



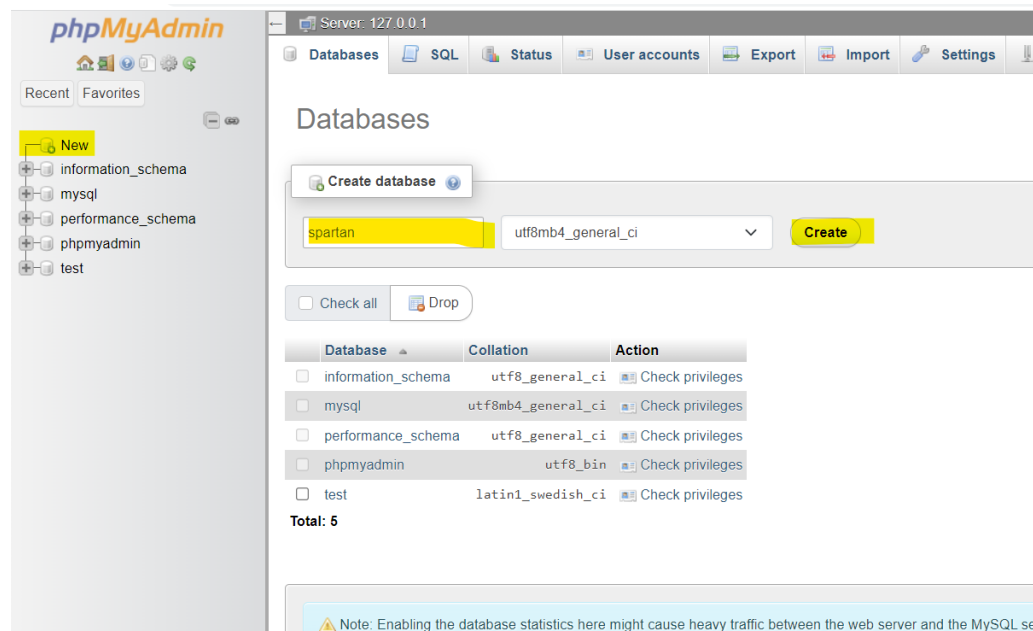
d.

6. Access the MySQL database by typing <http://localhost/phpmyadmin/>



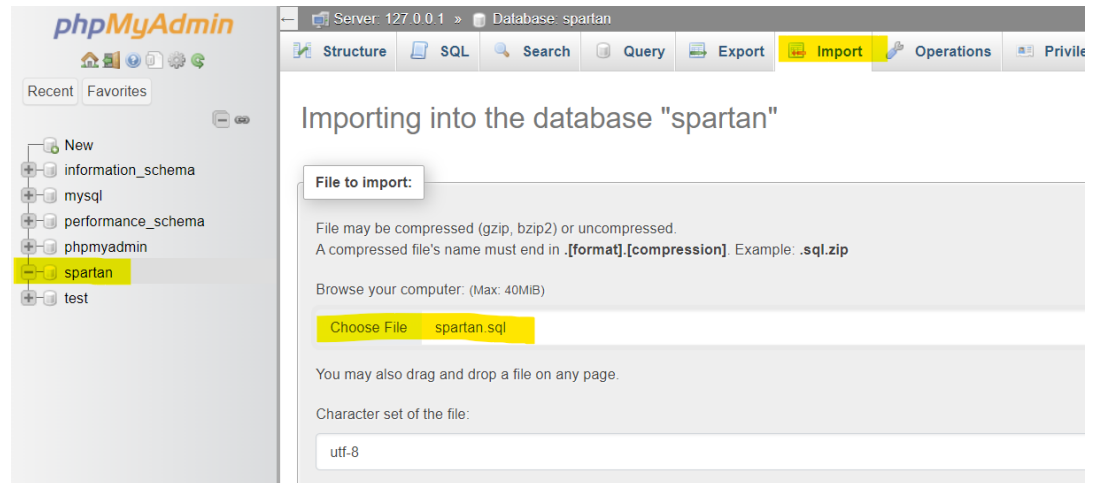
a.

7. To add the database for this project, click on the new button in the left side bar to add a database called spartan. Type spartan and click Create.

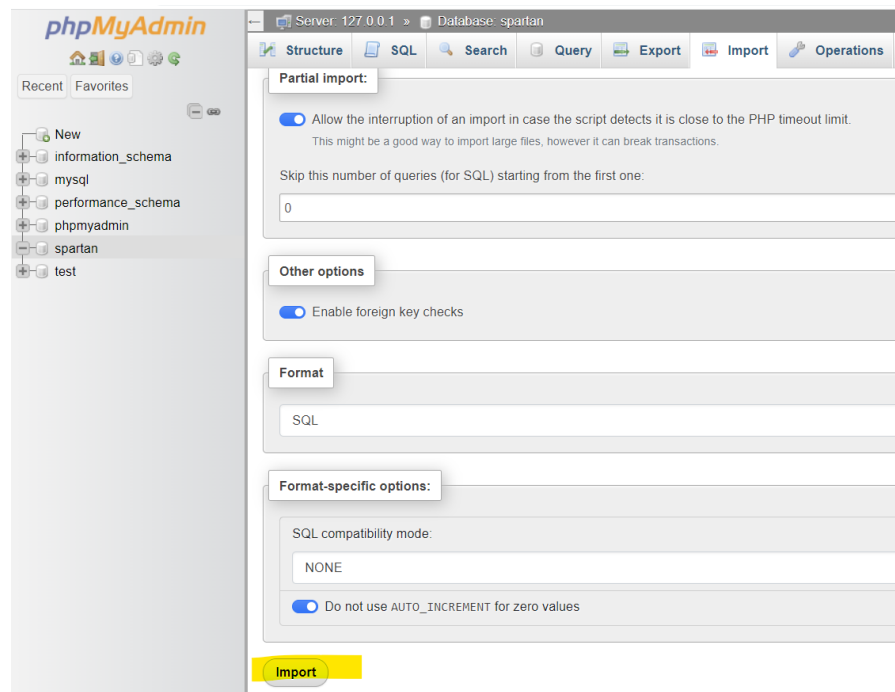


a.

8. Once the database is created, click on spartan and navigate to the top of the database. Find the import button and select the spartan.sql database file from the SFP folder. Scroll down and click Import.



a.



b.

9. To access the website's main page, type <http://localhost/SFP/homepage/>

## Library and Frameworks:

The code consists of CSS, HTML, and Javascript for front end, MySQL for the database, Apache for the server, and PHP which is the server side scripting language. Xampp includes Apache, PHP and MySQL. There are no libraries used in this project. Everything needed to run the website is included in Xampp.

## How the Website Works Behind the Scenes:

- The user sends in their form, and the web browser sends an HTTP request to the Apache server, which is part of XAMPP.

- The server recognizes the requested file as a PHP file and sends it to the PHP interpreter. The PHP code is processed, and it includes the database queries and conditional statements.
- PHP then connects to the MySQL server, which is also part of the XAMPP package, to perform database operations.
- The PHP code generates an HTML response, which may include content obtained from MySQL.
- The PHP-generated HTML, along with any other necessary resources (CSS, JavaScript, etc.), is sent back in the HTTP response from the Apache server to the user's web browser.
- The web browser receives the HTML response and renders the web page, displaying the dynamic and static content as defined in the HTML and processed by PHP.

## **Usage**

Please refer to the demo video to understand how to use the website. If the installation was followed properly, inputting <http://localhost/SFP/homepage/> should show the main page of the website.

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