# User Manual

Initial Setup

XAMPP Setup -

Install XAMPP on the host device and start the Apache and MySQL services by clicking the start buttons for those services (you may need to run XAMPP as administrator). Use any web browser to access phpMyAdmin through localhost/dashboard. Create a new database in phpMyAdmin called ww1_db, open the import tab and import the SQL file from the Github repository, which will import all the tables into the new database.
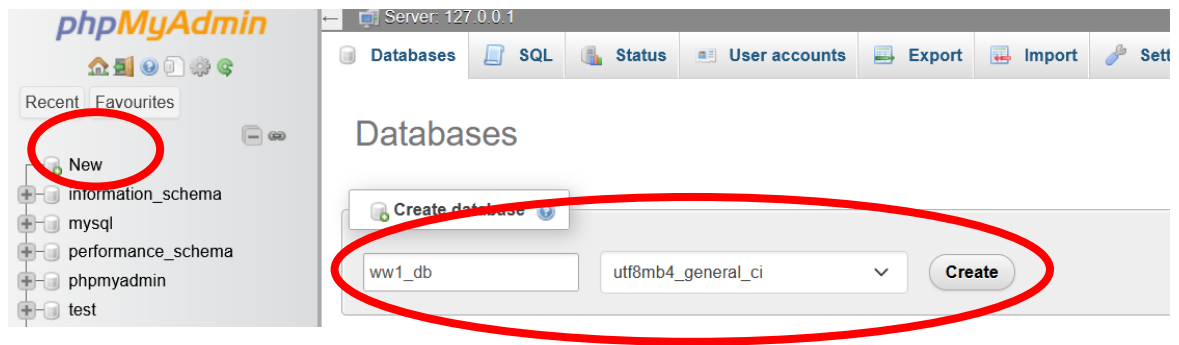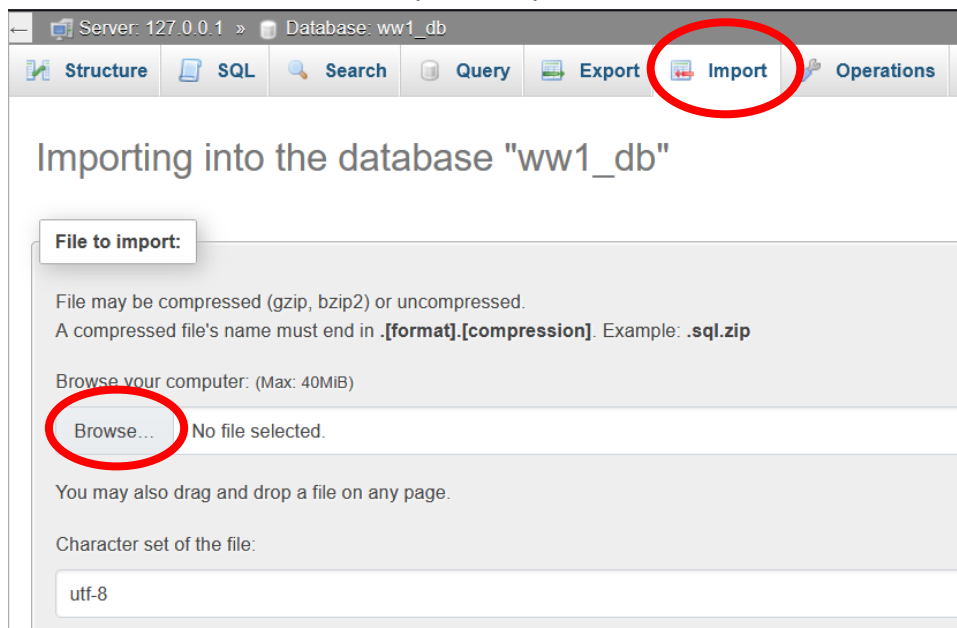
- Start these 2 services, Apache and MySQL
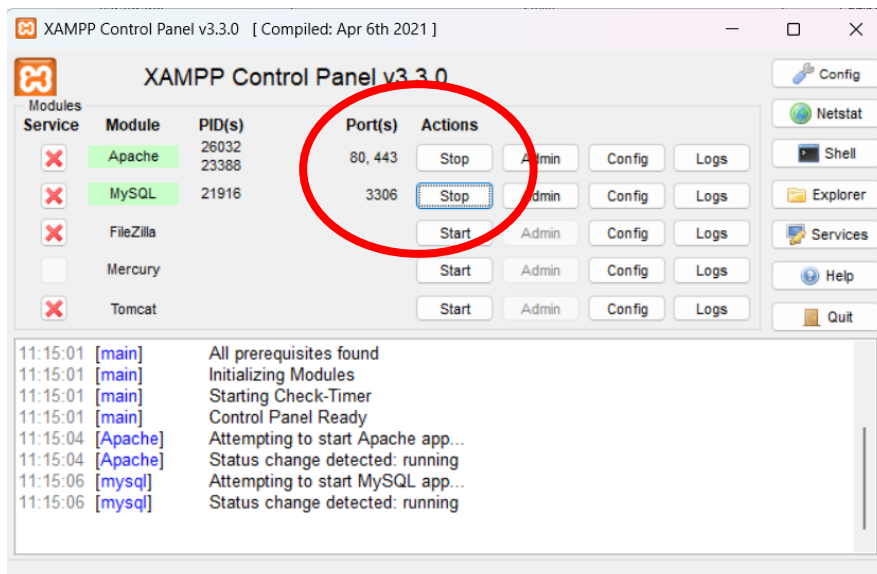
- Go to localhost/dashboard and open phpMyAdmin

- Press New to create a new database called ww1_db

- On the ww1_db database, go to the import tab and select Browse. Upload the SQL file then scroll down and press import and wait for all the tables to import

To import large amounts of data into these tables, a CSV file containing all records in the correct format (same number of columns, same order of columns) can be used.

- Select the table where data needs to be imported
- Open the import tab
- Browse and select the CSV file and press import

Note that individual records can be added manually in XAMPP, but also through the web interface when logged in as an Admin User.

On the host device, navigate to the htdocs folder in C:\xampp (or wherever the directory was created during installation) and copy the entire Software folder from the GitHub repository into the htdocs folder on the device.

To open the webpage, open any web browser and type localhost/Software. This will open the software folder in the web browser through XAMPP. Open the php/html folder and open the welcome page file.

XAMPP must stay running on the device in order for the web interface to work. To shutdown XAMPP, press the quit button on the XAMPP control panel.
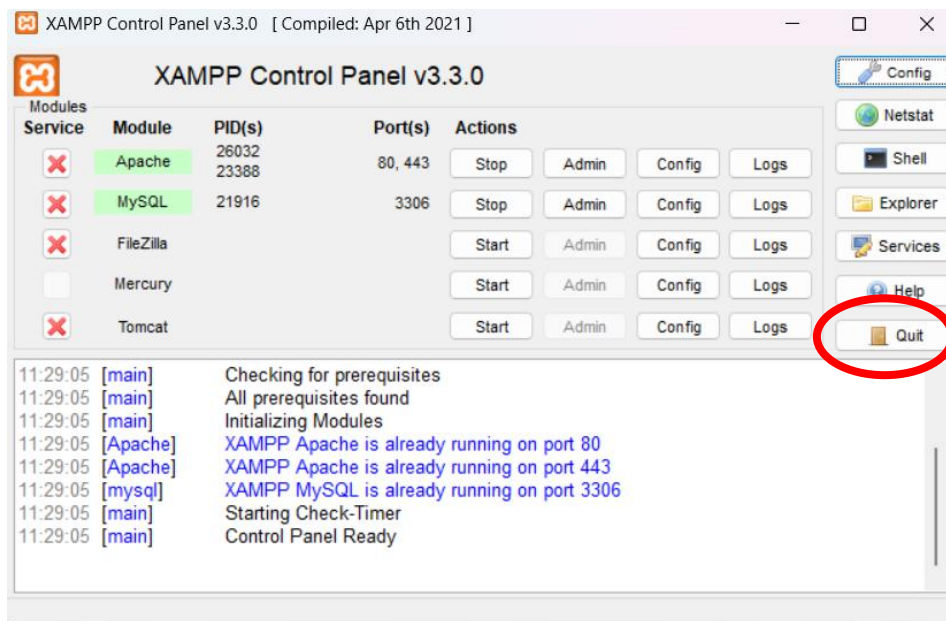
Usage

Login Page

From the welcome page, clicking the login button will take the user to the login page which will be used by both the Guest and the Admin to access their pages. To log in, type in the correct Username and password into the corresponding text fields. The site will automatically navigate to either the Guest User's homepage or the Admin page based on the account details entered. As a security measure, if incorrect details are entered 3 times in a row, the login will be disabled for 5 minutes.

Guest Functions – User Section Page

Upon logging in as a guest, the user will be navigated to the User Section Page, which will display 5 buttons corresponding to the 5 database pages. When the user hovers the cursor over one of these buttons, some text will appear over the middle photo providing a description of what is contained in that specific database. Pressing the About button

will open up a window over the screen with a description of the database, and pressing anywhere outside the window will close it. When the Database button is pressed, it will take the user to the corresponding **Database Page**. On the top right of the page is a log out button. Pressing the log out button will log the user out of the site and return to the welcome page.

Guest Functions – Database Pages

After selecting any of the database buttons in the **User Sections Page**, the user will be taken to a page displaying the information in the selected database. Note that the layout for all database pages is identical. The data will appear in a box in the middle of the page displaying 1 record at a time, showing the heading name and the value (E.g. "**Forename:** John, **Surname:** Smith…" with each heading on a separate line). Some small text on the bottom shows the number of pages (records) which the user can go through using the arrow buttons. On the left of the box, there are some text fields and a Search button – This will be used to search the database for a specific value within one or multiple columns. To search for a value, type it into a text field of the column to search and press the search button, and the page will display all results where the column contains the value entered. The user can type in multiple text fields and the site will search all specified fields for the entered values, providing a more accurate search.

Use the back button on the top right of the page to go back to the **User Sections Page** and view other database pages.

Admin Functions –Sections Page

If the user logged in with admin credentials, they will also be directed to a **Sections Page**, where all guest user functionalities remain. However, an additional button will be visible in the top right, called **Admin Page**. Pressing this will take the user to the **Admin Page**

Admin Functions – Admin Page

In the admin page, the admin user will be shown 2 main buttons, **Manage Users** and **Manage Database**. There are other small buttons on the top right, a log out button identical to the one in the User Section Page which will log out the admin user, and a Back to Sections button which direct the user back to the regular User Section Page. Pressing either **Manage Users** or **Manage Database** will navigate to the corresponding page.

Admin Functions – Manage Users / Manage Database

Pressing the manage database button will take the user to a page showing 5 buttons, labelled with the database names (like the User Sections Page, but more simplified).

Pressing any of these buttons will take the user to the corresponding database management page. Also, pressing the **Manage Users** button on the **Admin Page** will take the user directly to the database management page but for the Users Database. The layout and functions of all database management pages are identical.

The database management page will have the same functionalities as the regular **Database Pages**, but will have additional functionality for the admin, allowing them to add, modify or remove records in the chosen database. The Create New Record button will be visible above the database, as well as Edit and Remove buttons next to each record.

Create New Record – Press the create record button, and a pop up will appear with empty text fields. Fill in all fields with the required values then scroll to the bottom and press Create Record, it will be added to the database and will also appear on the page instantly.

Edit – Press the edit button on a certain record and a pop up window will appear, with text fields containing the values in the record. Edit any necessary fields then scroll down and press the Update Record button. The record will be modified.

Delete – Press the delete button on a certain window and a confirmation box will appear. Press Delete and the record will be removed. Pressing cancel on the confirmation box will cancel the deletion.

These features are available on the Users Database as well, allowing the admin to Add, delete or modify credentials for a User.