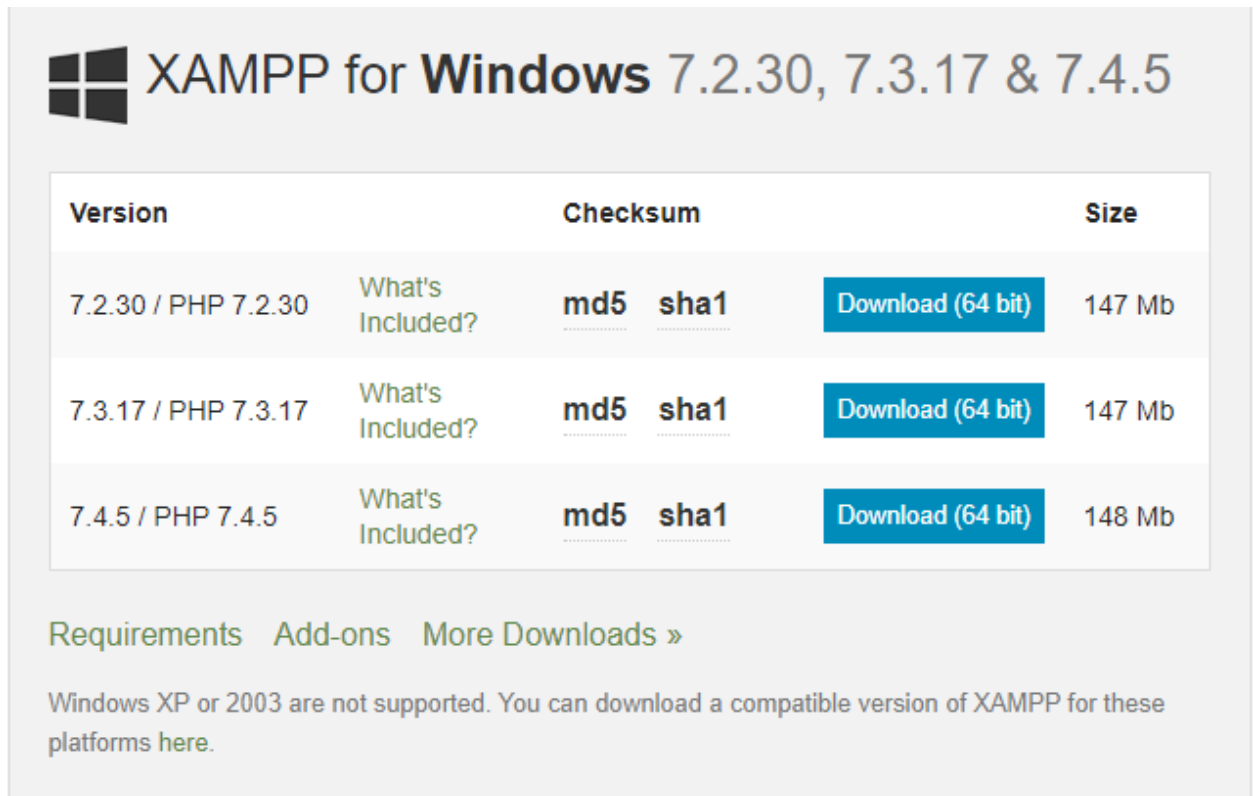


Square

User Tutorial

1. Installation of software

Navigate to <https://www.apachefriends.org/download.html> and download Xampp. *Select the version that supports your operating system.



The screenshot shows the XAMPP for Windows download page. It features a table with three rows for different versions: 7.2.30 / PHP 7.2.30, 7.3.17 / PHP 7.3.17, and 7.4.5 / PHP 7.4.5. Each row includes a 'What's Included?' link, checksums for md5 and sha1, a 'Download (64 bit)' button, and the file size (147 Mb for 7.2.30 and 7.3.17, and 148 Mb for 7.4.5). Below the table are links for 'Requirements', 'Add-ons', and 'More Downloads »'. A note states that Windows XP or 2003 are not supported and provides a link to download a compatible version.

Version	Checksum	Size
7.2.30 / PHP 7.2.30	md5 sha1	147 Mb
7.3.17 / PHP 7.3.17	md5 sha1	147 Mb
7.4.5 / PHP 7.4.5	md5 sha1	148 Mb

Requirements Add-ons More Downloads »

Windows XP or 2003 are not supported. You can download a compatible version of XAMPP for these platforms [here](#).

This will install the Apache distribution PHP development environment which contains MySQL and PHP.

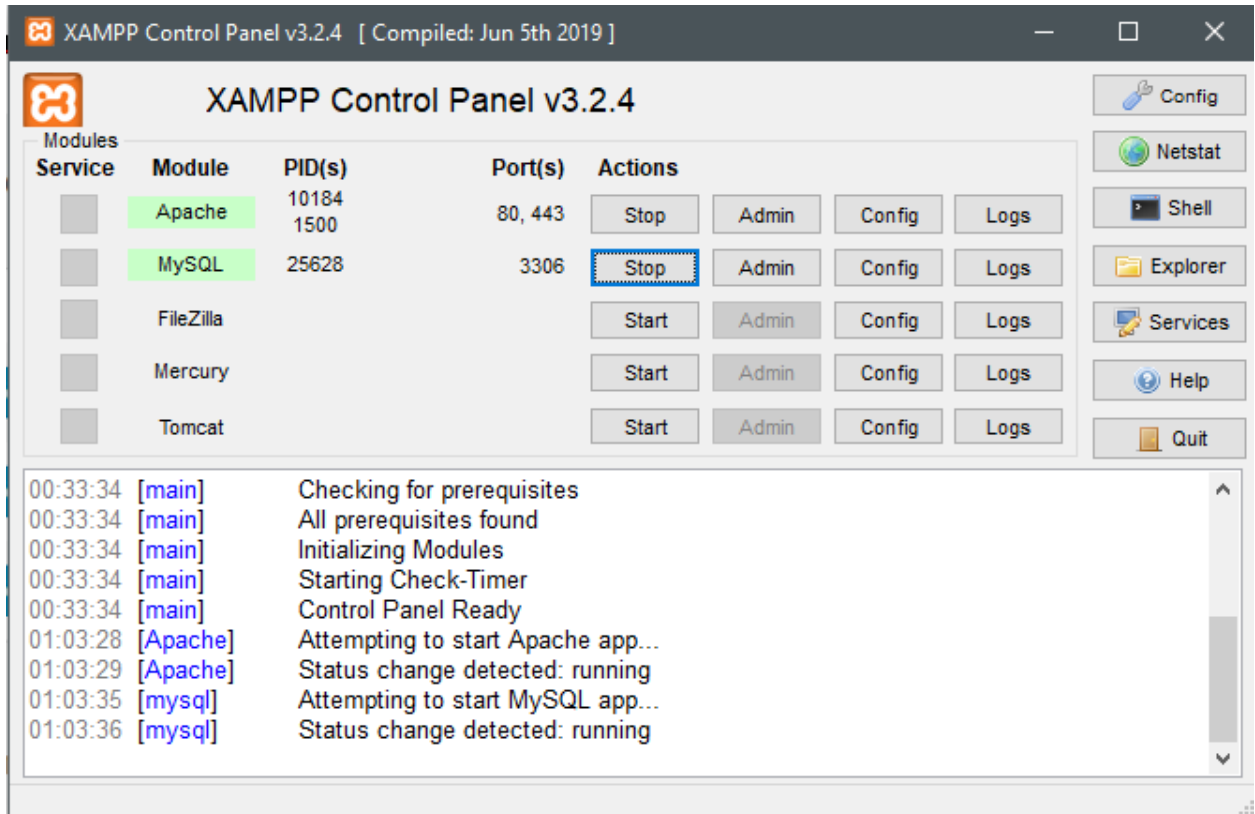
*Windows Version 7.4.5/PHP 7.4.5 was used in this tutorial.

Navigate to <https://github.com/Square-CS2020/AttendWebsite> and download or Git Clone the repository.

Place the downloaded file folder into the Xampp htdocs folder found at C:\xampp\htdocs.

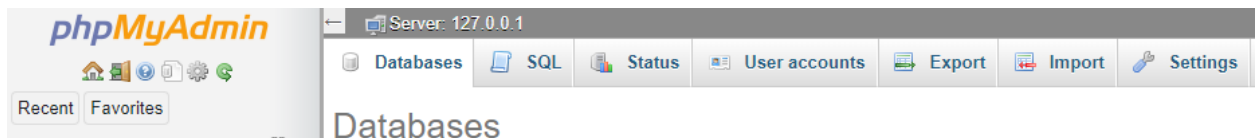
2. Configuration

Using the Xampp control center start the Apache and MySQL services.



Click on the Admin button for MySQL. This launches phpMyAdmin in an installed internet browser for database configuration.

Click on the Import button to begin the process of importing the databases.



Three databases will be imported in this feature and must be followed in order.

The first database import is createDatabase.sql

Click on the Choose File button and navigate to folder C:\xampp\htdocs\AttendWebsite-master\Database and select createDatabase.sql

File to import:

File may be compressed (gzip, bzip2, zip) or uncompressed.

A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

Browse your computer: createDatabase.sql (Max: 40MiB)

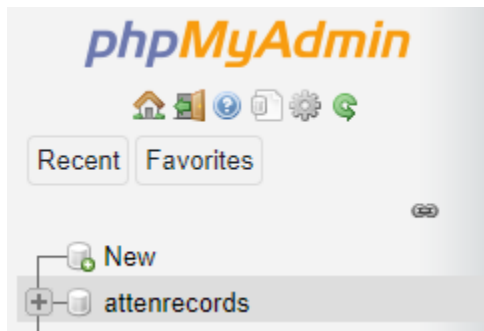
You may also drag and drop a file on any page.

Character set of the file:

Click on the Go button on the lower right-hand portion of the screen to complete the import.

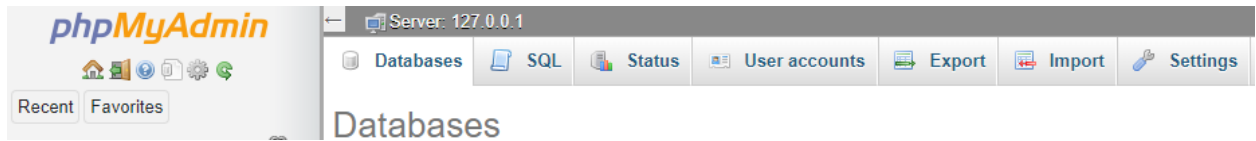


This creates the attenrecords database which is now visible on the left side of the screen.



The second database to be imported is insertTables.sql

Click on the Import button to begin the process of importing the database.



Click on the Choose File button and navigate to folder C:\xampp\htdocs\AttendWebsite-master\Database and select insertTables.sql

File to import:

File may be compressed (gzip, bzip2, zip) or uncompressed.

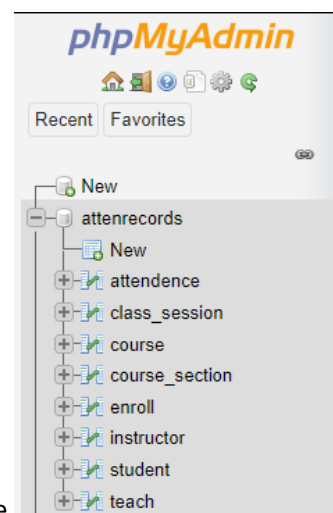
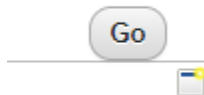
A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

Browse your computer: insertTables.sql (Max: 40MiB)

You may also drag and drop a file on any page.

Character set of the file:

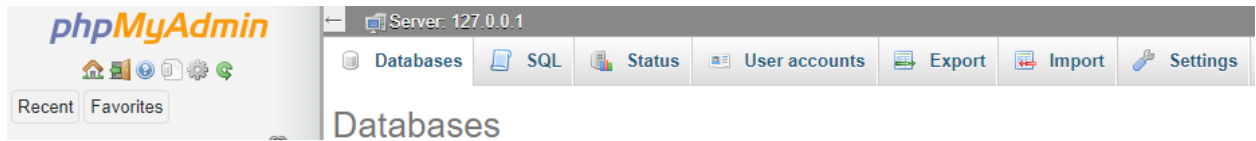
Click on the Go button on the lower right-hand portion of the screen to complete the import.



This action populates the attenrecords database.

The third and final database to import is insertData.sql

Click on the Import button to begin the process of importing the database.



Click on the Choose File button and navigate to folder C:\xampp\htdocs\AttendWebsite-master\Database and select insertData.sql

File to import:

File may be compressed (gzip, bzip2, zip) or uncompressed.

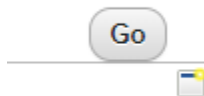
A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

Browse your computer: insertData.sql (Max: 40MiB)

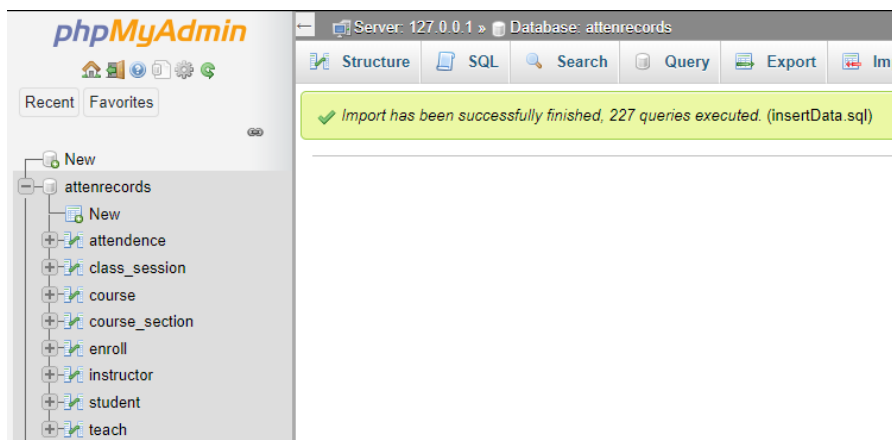
You may also drag and drop a file on any page.

Character set of the file:

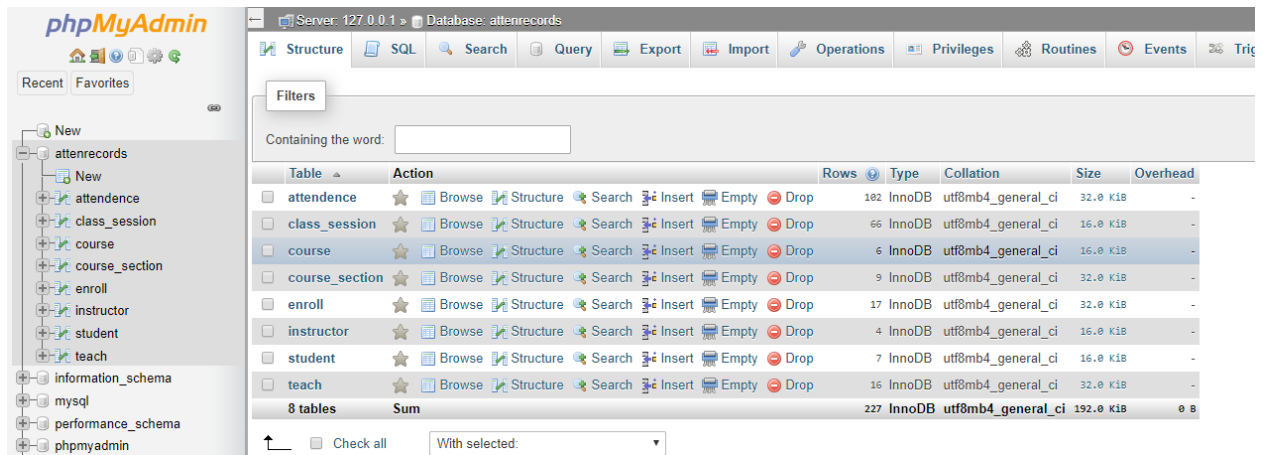
Click on the Go button on the lower right-hand portion of the screen to complete the import.



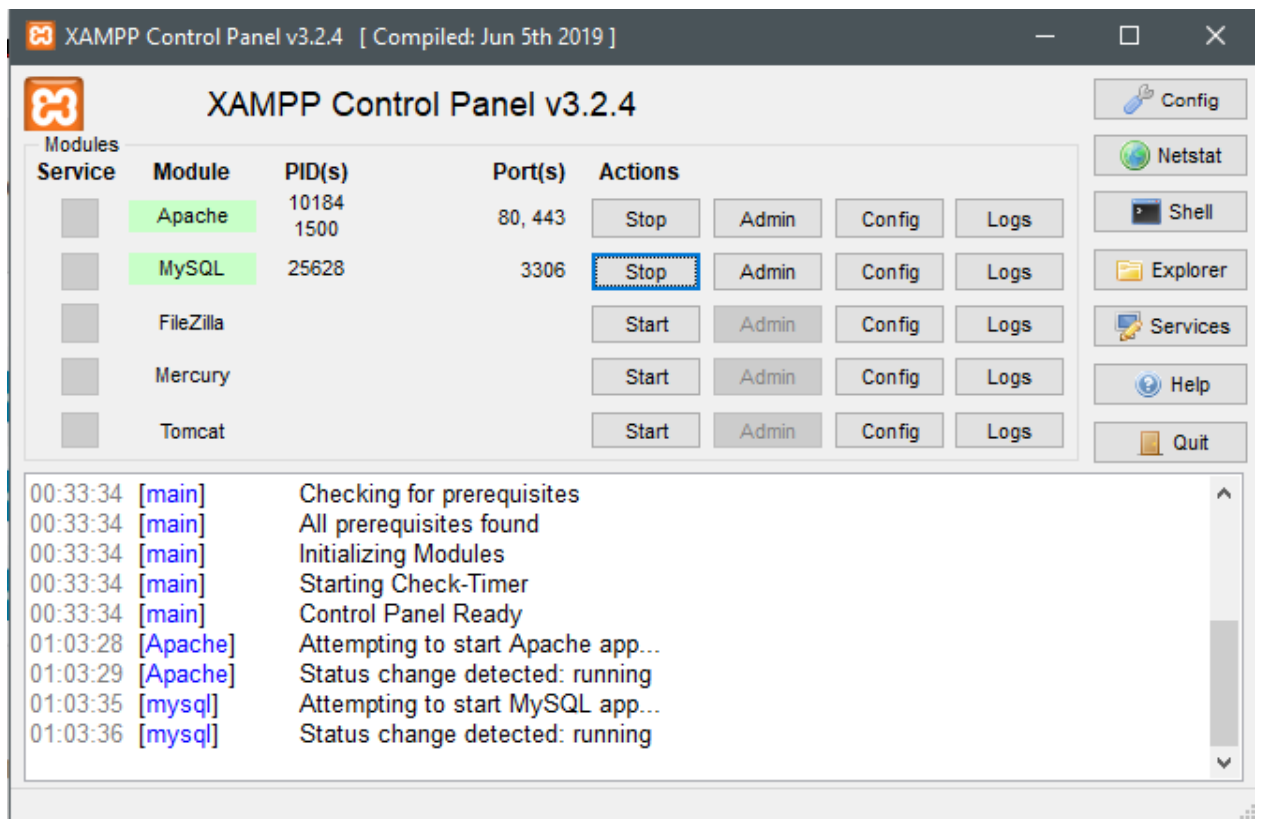
This action creates queries for the database.

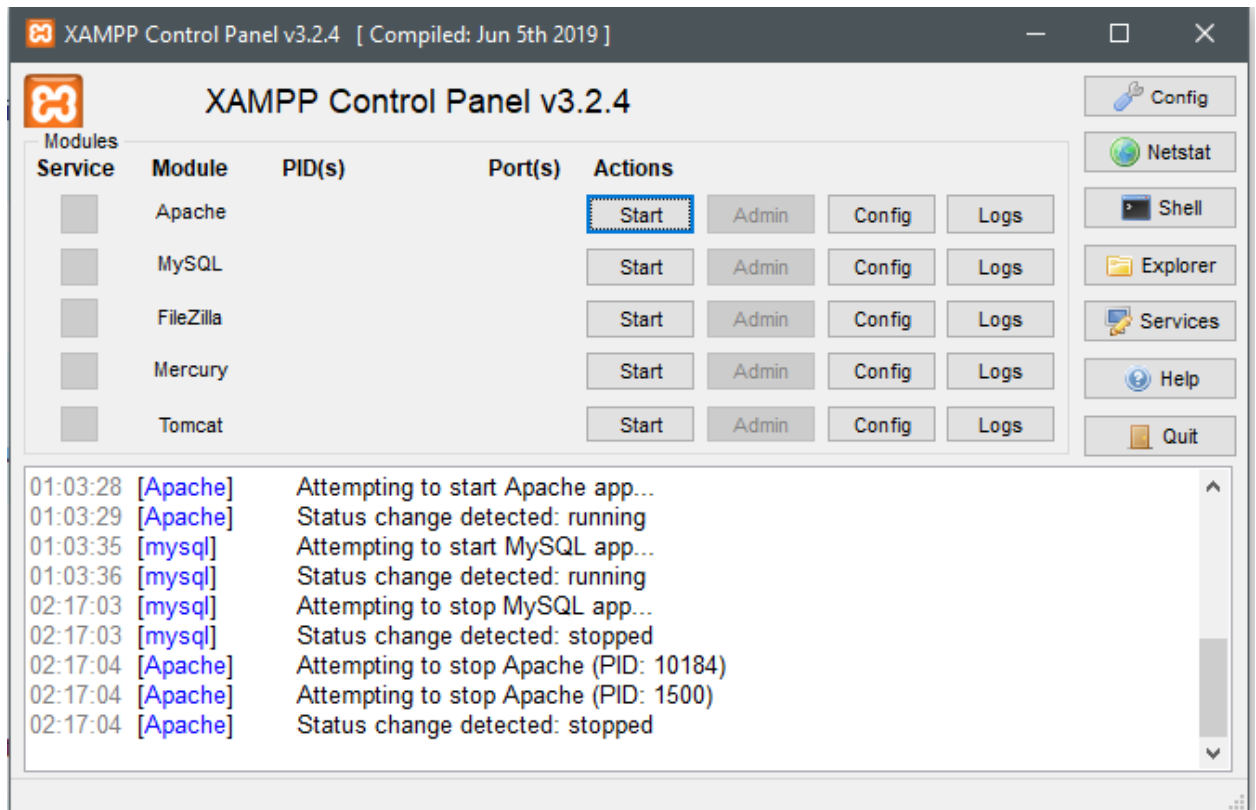


After all importing is done click on attenrecords on the left-hand side to display contents.



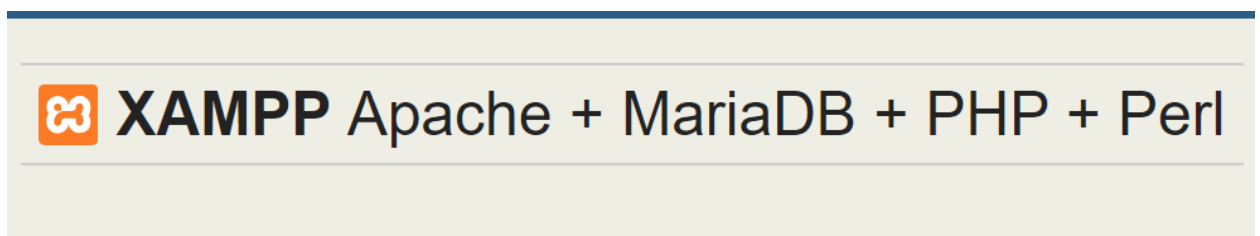
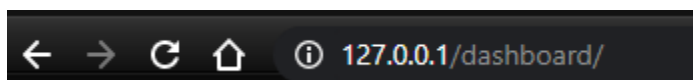
Using the Xampp control panel stop the Apache and MySQL services then start them again.





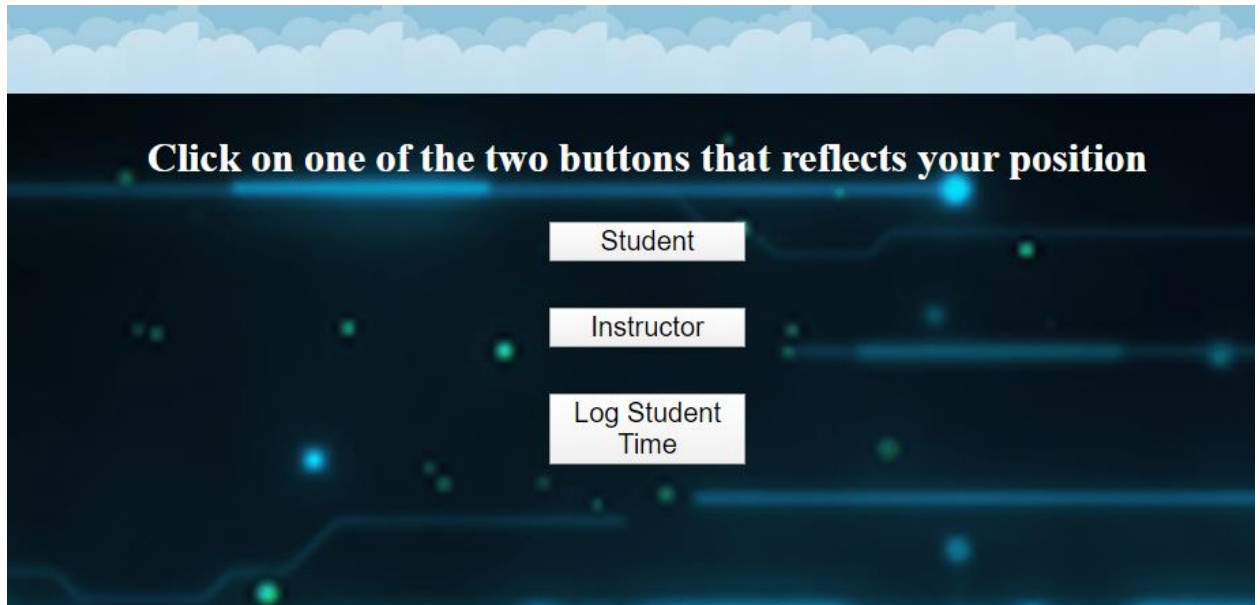
Launch a web browser and type localhost into the address or use 127.0.0.1

This will verify the Apache and MySQL services are started and working.



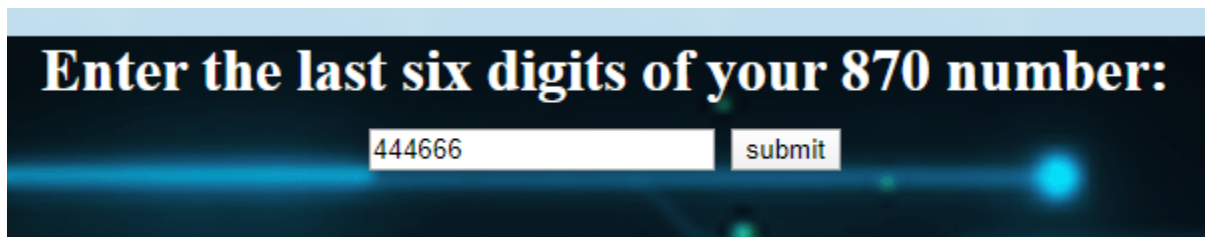
3. Launch Webpage

Navigate to C:\xampp\htdocs\AttendWebsite and launch the frontPage.html by double clicking on it. This will launch the webpage in the default browser.



a. Student

The Student will enter the last six digits of their student identification number. In this example the digits 444666 are used to display the record for Mike Pool.

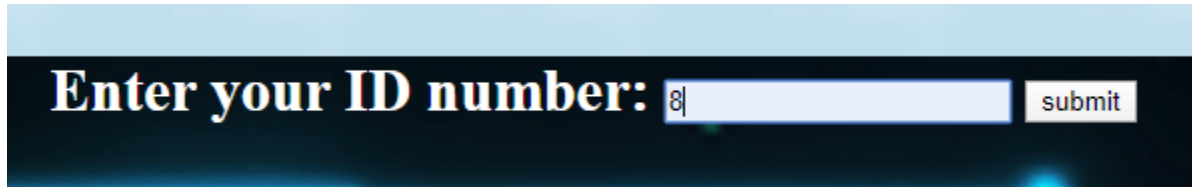


This will display the present, tardy, and absent record for every class the student in currently enrolled in.

S						
Attendance record for Mike Pool:						
Class ID	Section	Std ID	Log Time	Log Date	Attendance Status	
22222	A	870444666	15:45:00	2020-01-31	tardy	
33333	A	870444666	13:10:00	2020-01-31	tardy	
11111	A	870444666	absent	2020-01-31	absent	
22222	A	870444666	15:08:00	2020-01-29	present	
33333	A	870444666	13:03:00	2020-01-29	present	
11111	A	870444666	absent	2020-01-29	absent	
22222	A	870444666	15:00:00	2020-01-27	present	

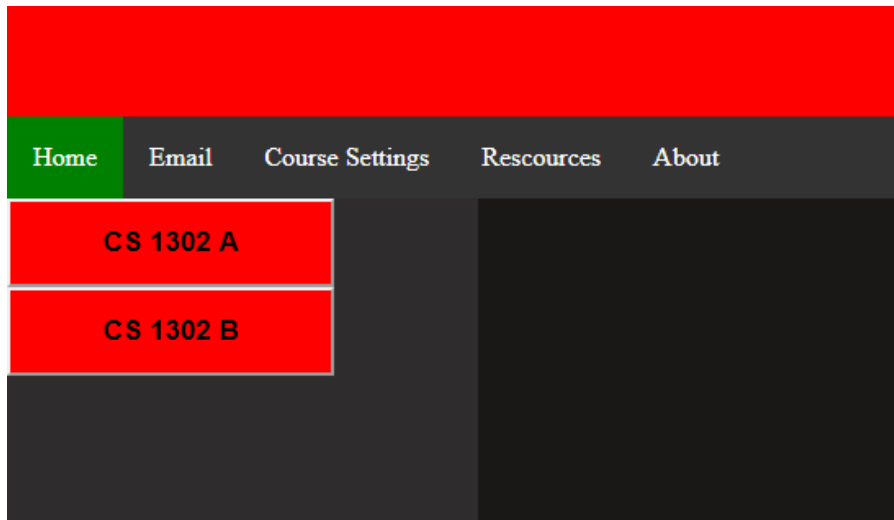
b. Instructor

The Instructor page allows the instructor to enter their identification number to display their current course offerings. This example instructor JarJar Picks with identification number 8 is used.

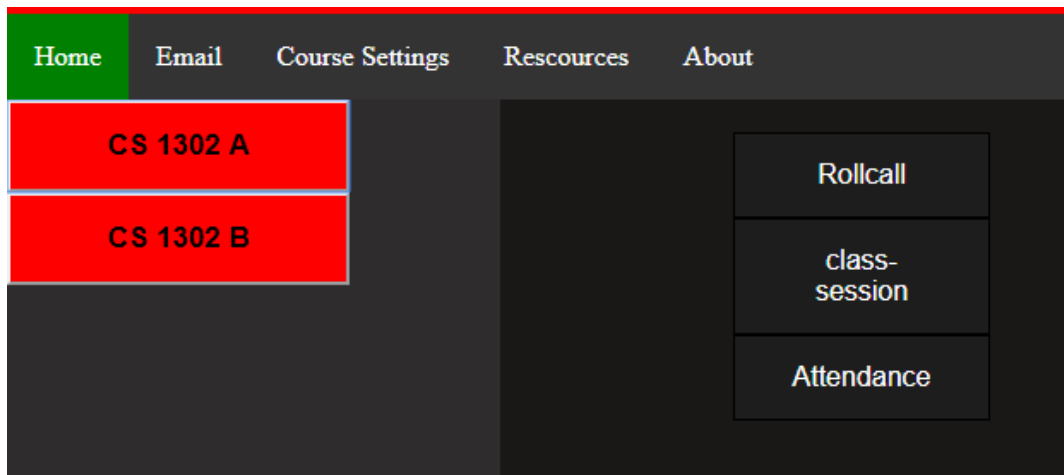


A screenshot of a web form with a dark blue background. The text "Enter your ID number:" is in a large, white, serif font. To the right of the text is a white text input field containing the number "8". Further right is a white button with the text "submit" in a small, black, sans-serif font.

Entering the identification number 8 and clicking submit will bring up the current course offerings for the instructor.



Clicking on the CS 1302 A course will bring up options for Roll Call, Class-sessions, and Attendance.



Rollcall lists the current students in the course.

The screenshot shows a dark-themed interface with a vertical menu on the left containing three buttons: 'Rollcall' (highlighted with a blue border), 'class-session', and 'Attendance'. To the right of the menu, a table displays student information.

Student Name	Gender	Seniority
Mike Pool	M	Freshmen
Carly Jim	F	Sophomore

Class-session will list the session date, beginning time, end time, and if the session was valid.

The screenshot shows the same dark-themed interface, but the 'class-session' button in the left menu is now highlighted with a blue border. Below the menu, there are two input fields labeled 'From' and 'To' for date selection. Below these fields is a table listing session details.

Session Date	Start time	End time	Valid Session
2020-01-13	15:00:00	15:50:00	Y ▼
2020-01-15	15:00:00	15:50:00	Y ▼
2020-01-17	15:00:00	15:50:00	Y ▼
2020-01-20	15:00:00	15:50:00	Y ▼
2020-01-22	15:00:00	15:50:00	Y ▼
2020-01-24	15:00:00	15:50:00	Y ▼
2020-01-27	15:00:00	15:50:00	Y ▼
2020-01-29	15:00:00	15:50:00	Y ▼
2020-01-31	15:00:00	15:50:00	Y ▼

Attendance will list every student in the course and every class session and give the instructor an option to change attendance for the student.

Rollcall

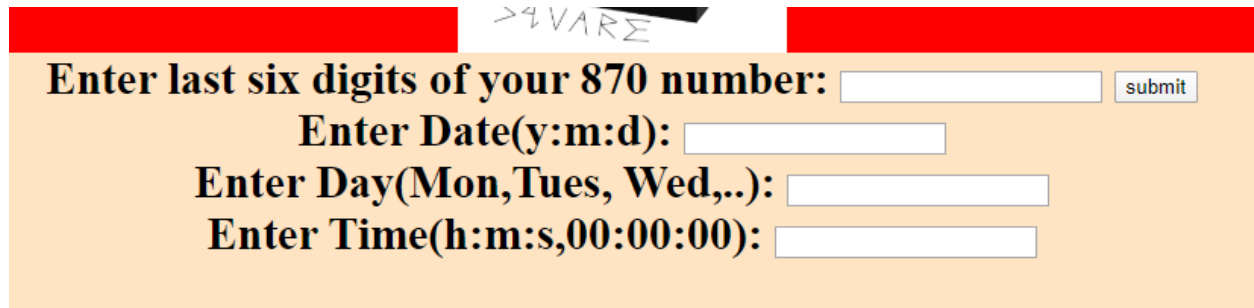
class-session

Attendance

Student	Logged_Time	Date	Attendance_Status
Mike Pool	15:00:00	2020-01-13	Present ▼
Mike Pool	15:15:00	2020-01-15	Tardy ▼
Mike Pool	15:15:00	2020-01-17	Tardy ▼
Mike Pool	15:00:00	2020-01-20	Tardy ▼
Mike Pool		2020-01-22	Absent ▼
Mike Pool	15:35:00	2020-01-24	Tardy ▼
Mike Pool	15:00:00	2020-01-27	Present ▼
Mike Pool	15:08:00	2020-01-29	Present ▼
Mike Pool	15:45:00	2020-01-31	Tardy ▼
Carly Jim		2020-01-13	Absent ▼
Carly Jim		2020-01-15	Absent ▼
Carly Jim	15:10:00	2020-01-17	Present ▼
Carly Jim	15:09:00	2020-01-20	Present ▼
Carly Jim	15:10:00	2020-01-22	Present ▼
Carly Jim	15:15:00	2020-01-24	Tardy ▼
Carly Jim	15:02:00	2020-01-27	Present ▼
Carly Jim	15:00:00	2020-01-29	Present ▼
Carly Jim	15:10:00	2020-01-31	Present ▼

c. Log Student Time

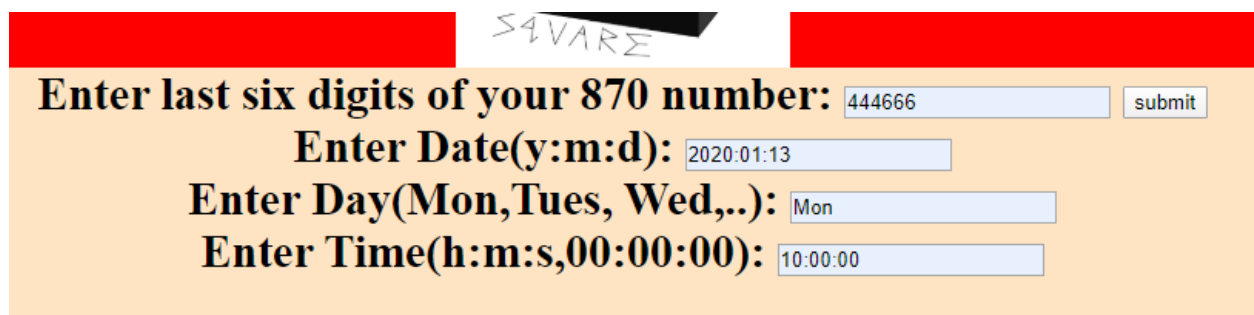
This section allows the students to mark their attendance for a course. The student will enter the last six digits of their identification number, current date in yyyy:mm:dd format, day of the week, and time in hh:mm:ss format.



The screenshot shows a web form titled "Log Student Time" with a red header bar. The form has a light orange background and contains the following fields and buttons:

- Enter last six digits of your 870 number:** [text input field] [submit button]
- Enter Date(y:m:d):** [text input field]
- Enter Day(Mon,Tues, Wed,..):** [text input field]
- Enter Time(h:m:s,00:00:00):** [text input field]

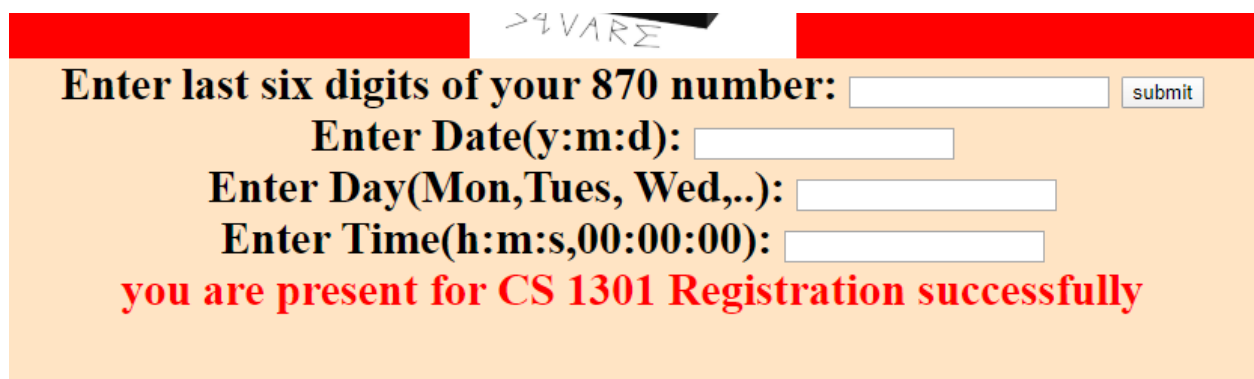
Using student Mike Pool with identification number 444666, date of 2020:01:13, Day of Mon, Time of 10:00:00 as an example. The student clicks on the submit button and the attendance record is generated.



The screenshot shows the same web form as above, but with example data entered into the input fields:

- Enter last six digits of your 870 number:** 444666 [submit button]
- Enter Date(y:m:d):** 2020:01:13
- Enter Day(Mon,Tues, Wed,..):** Mon
- Enter Time(h:m:s,00:00:00):** 10:00:00

The student clicks the submit button and the attendance record is generated.



The screenshot shows the web form with the same input fields as before. Below the form, a red message is displayed:

you are present for CS 1301 Registration successfully

4. Conclusion

This tutorial covers installation of required software to perform properly, student usage, and instructor features currently available for the project.