



# System Setup



1. Download XAMPP application version 8.0.25. You can download it through the XAMPP website or use the installer given together with the system files.  
<https://www.apachefriends.org/download.html>

The screenshot shows a Google Chrome window with the URL [apachefriends.org/download.html](https://www.apachefriends.org/download.html). The page displays a table of XAMPP versions for OS X:

Version	Checksum	Size
8.0.25 / PHP 8.0.25	What's Included? md5 sha1	Download (64 bit) 162 Mb
8.1.12 / PHP 8.1.12	What's Included? md5 sha1	Download (64 bit) 163 Mb
8.2.0 / PHP 8.2.0	What's Included? md5 sha1	Download (64 bit) 149 Mb

Below the table, there is a section titled "Requirements" with a link to "More Downloads". It states: "A Native installer installs MariaDB, PHP, Perl, etc. directly onto your macOS system. It supports intel (x64) or Apple M1 (arm64) CPUs." There is also a "Documentation/FAQs" section with a note: "There is no real manual or handbook for XAMPP. We wrote the documentation in the form of FAQs. Have a burning question?" The Mac OS X Dock is visible at the bottom.

2. The download will start automatically. Wait for the download to complete.

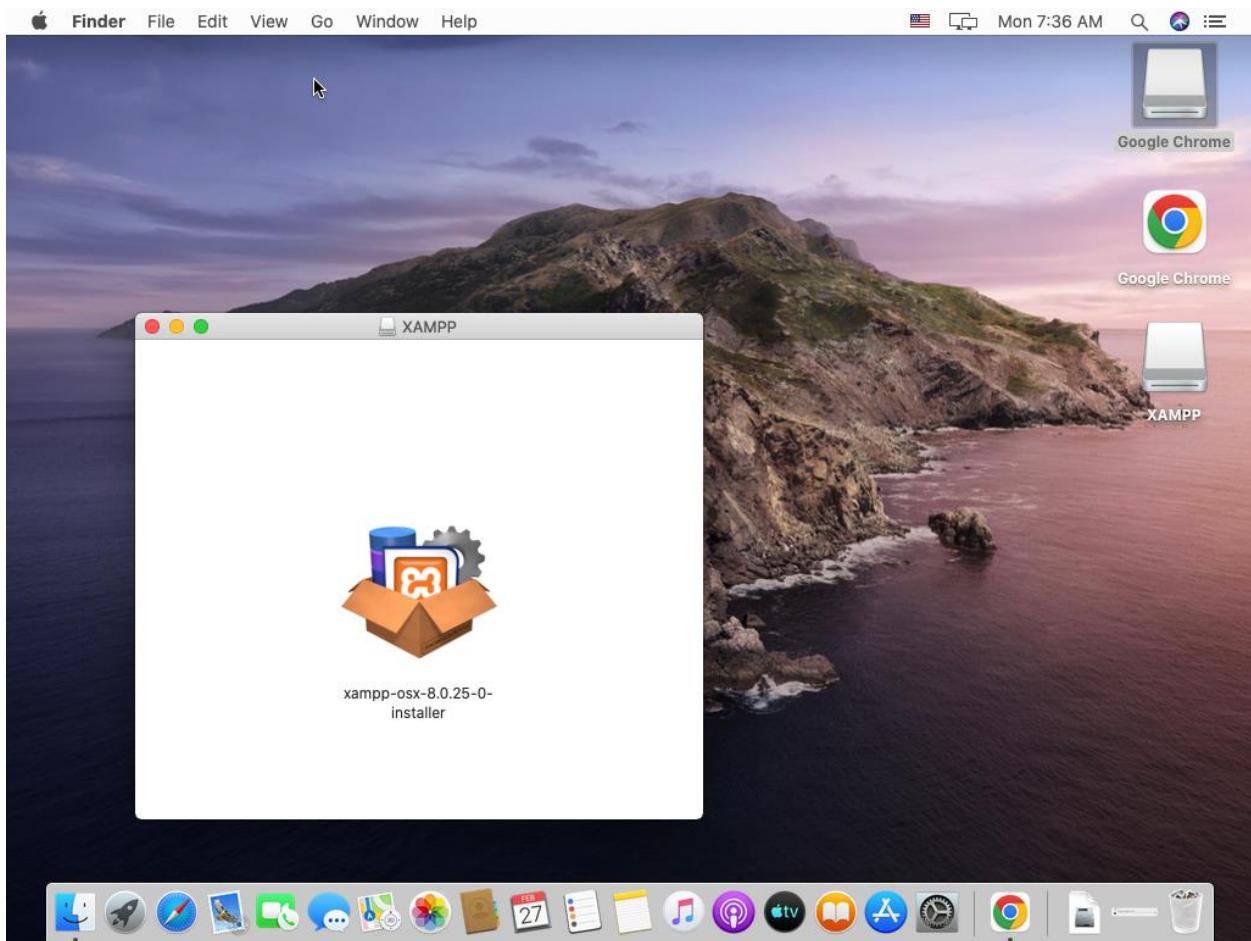
The screenshot shows a Google Chrome window with the URL [apachefriends.org/download\\_success.html](https://www.apachefriends.org/download_success.html). The page has a blue header with the Apache Friends logo and a "MENU" button. The main content features a large "Awesome!" heading and a message: "Your download will start automatically. If it doesn't, [click here](#)." Below this, there is a "Reading" section with a note: "Be sure to read the install instructions and FAQs:" followed by a list:

- Linux FAQs
- Windows FAQs
- OS X FAQs
- OS X XAMPP-VM FAQs

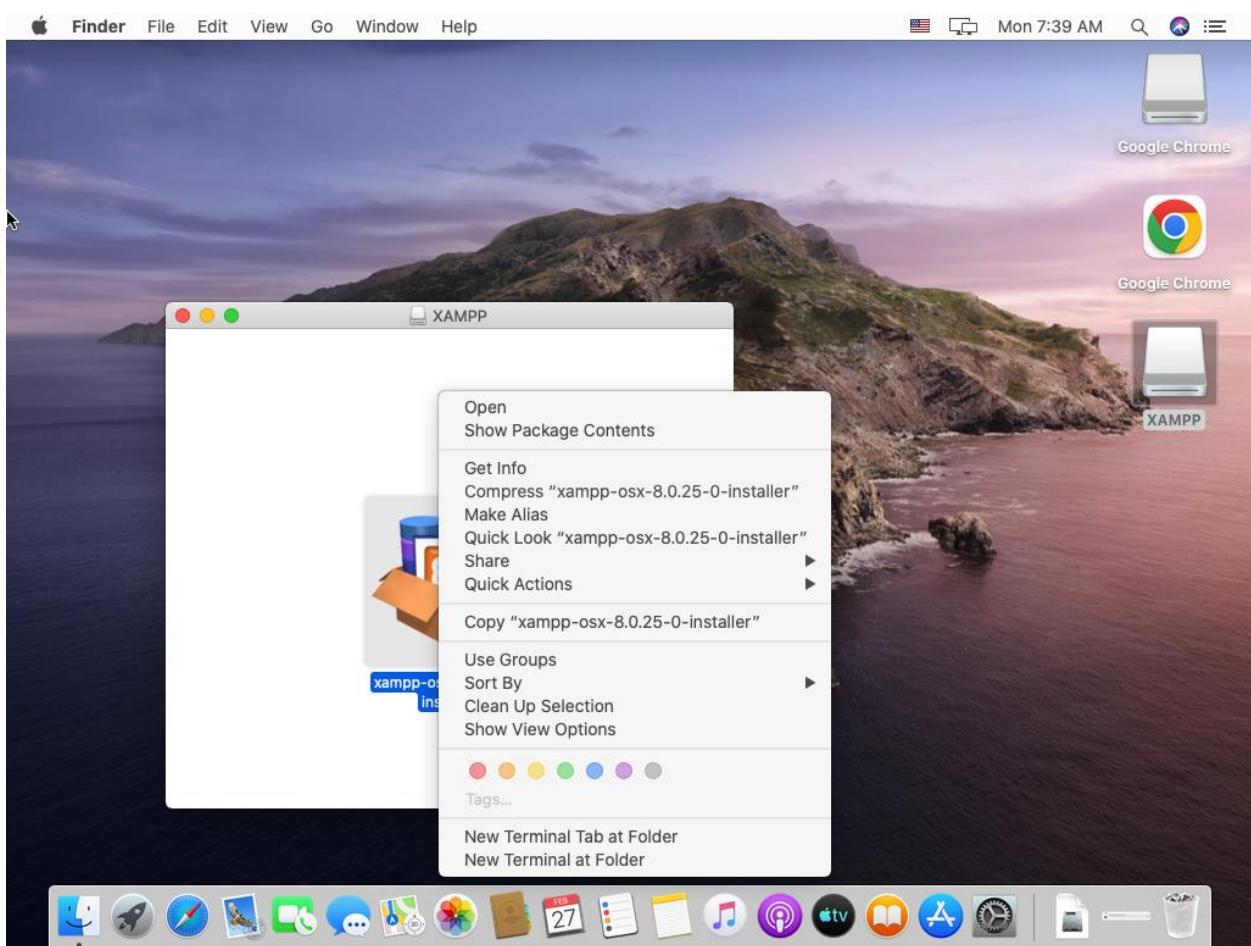
There is also a note: "You can find additional help on our [forums](#) or [Stack Overflow](#)." At the bottom, there is a "Tell Your Friends about XAMPP" section and the Mac OS X Dock.



3. Once the download is complete, click the XAMPP installer.



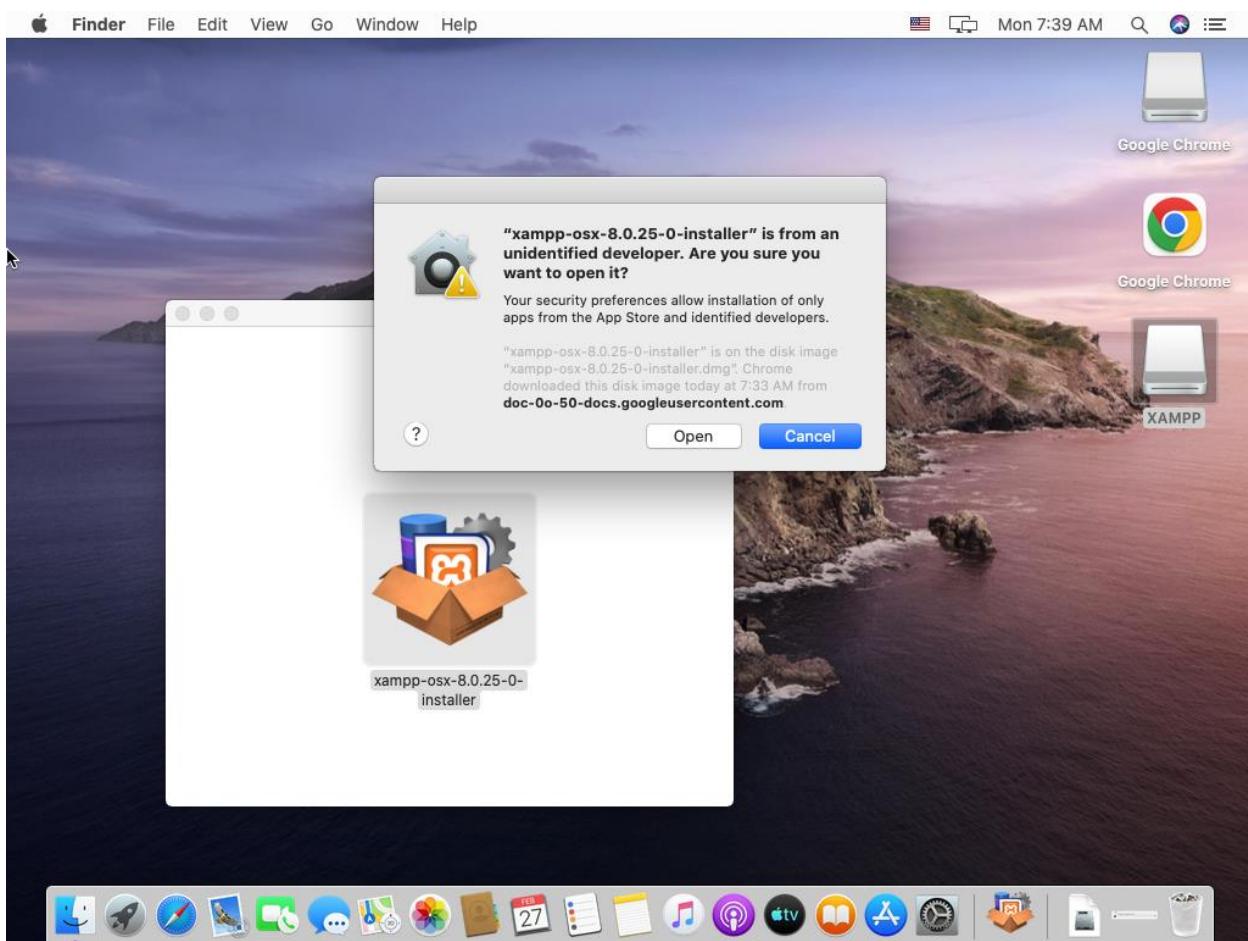
4. Right click the XAMPP installer and select open.



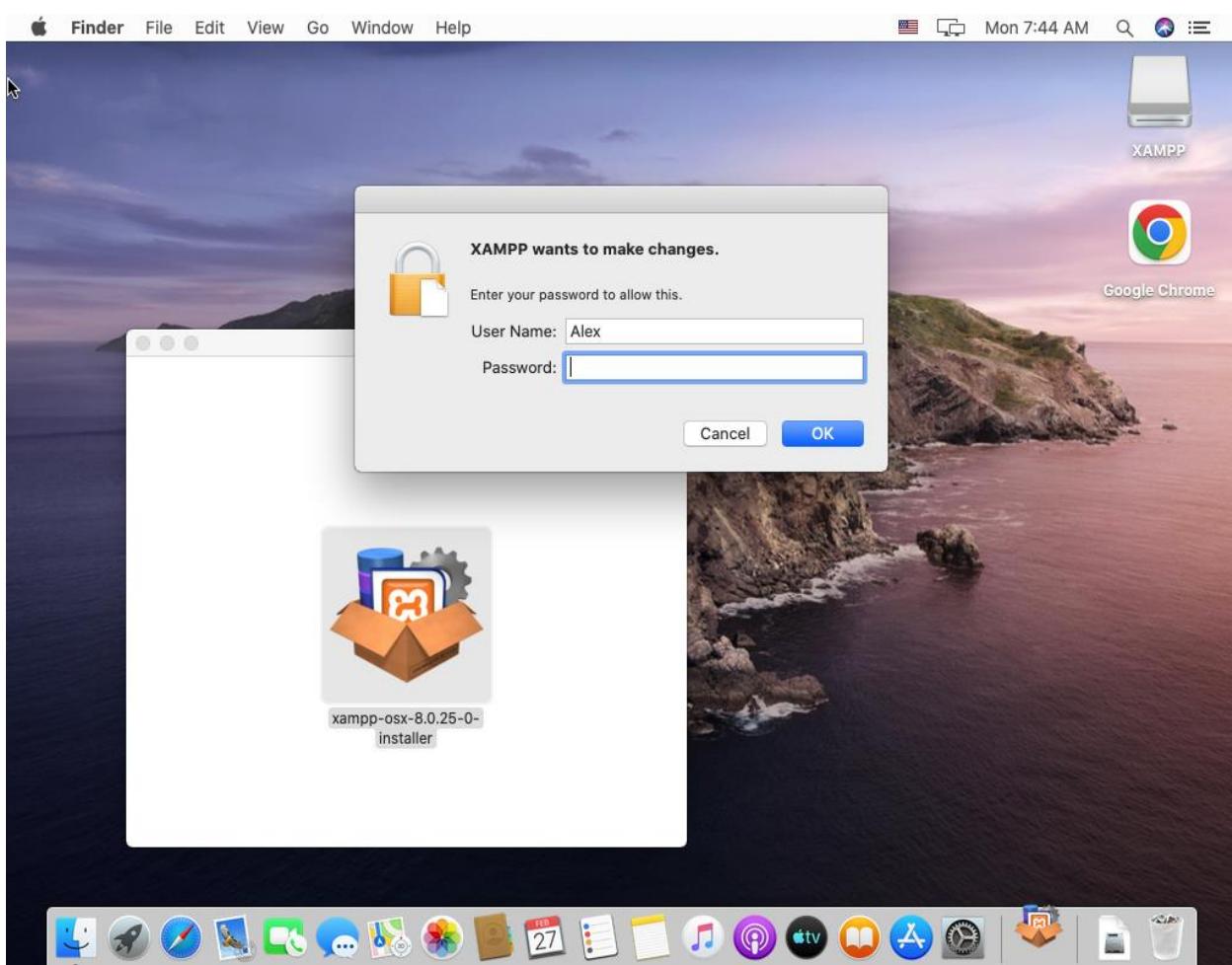


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COMMUNICATIONS TECHNOLOGY

5. Select open.

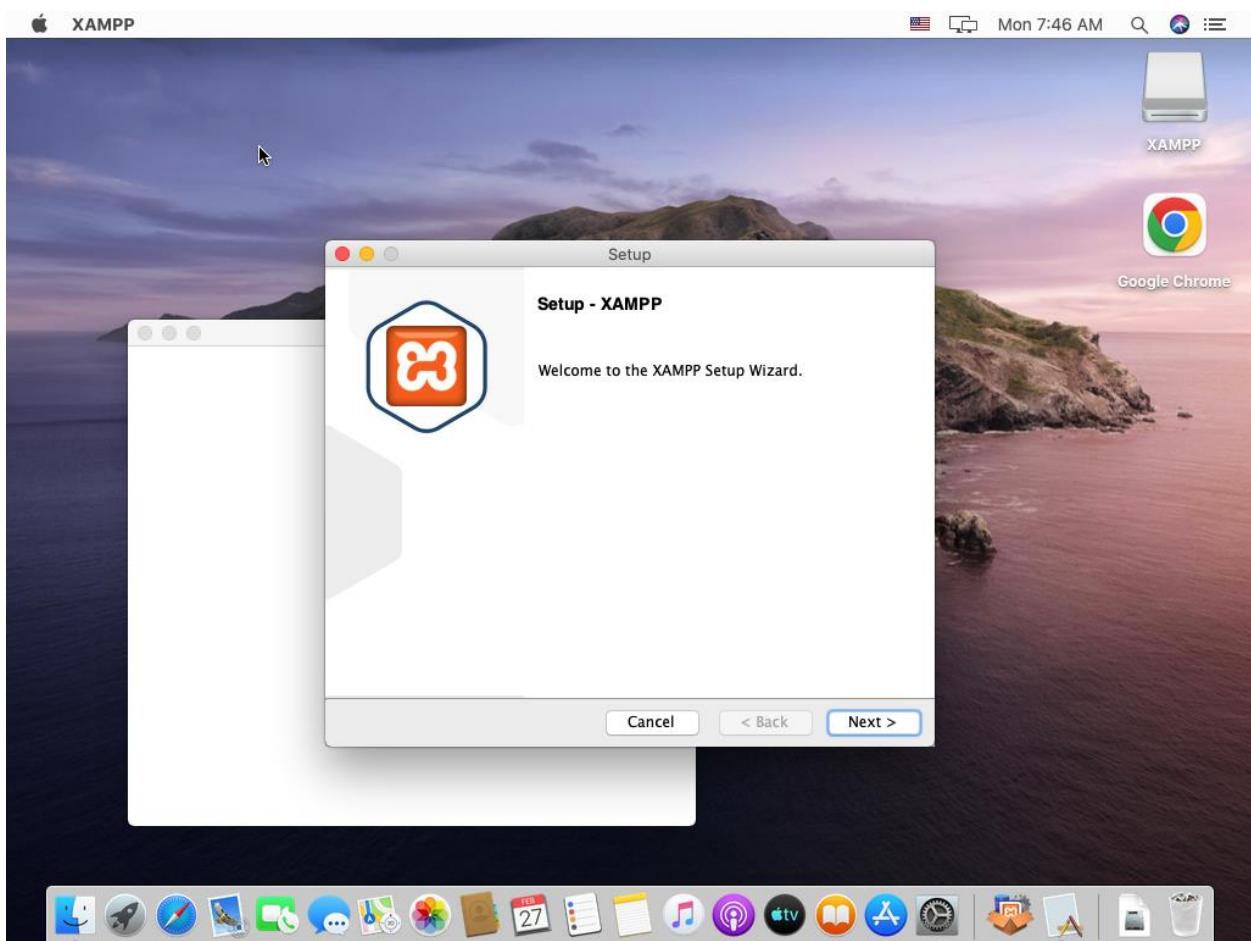


6. You will be prompted to enter your password to allow the installation to proceed. After you enter your credentials. Select OK.

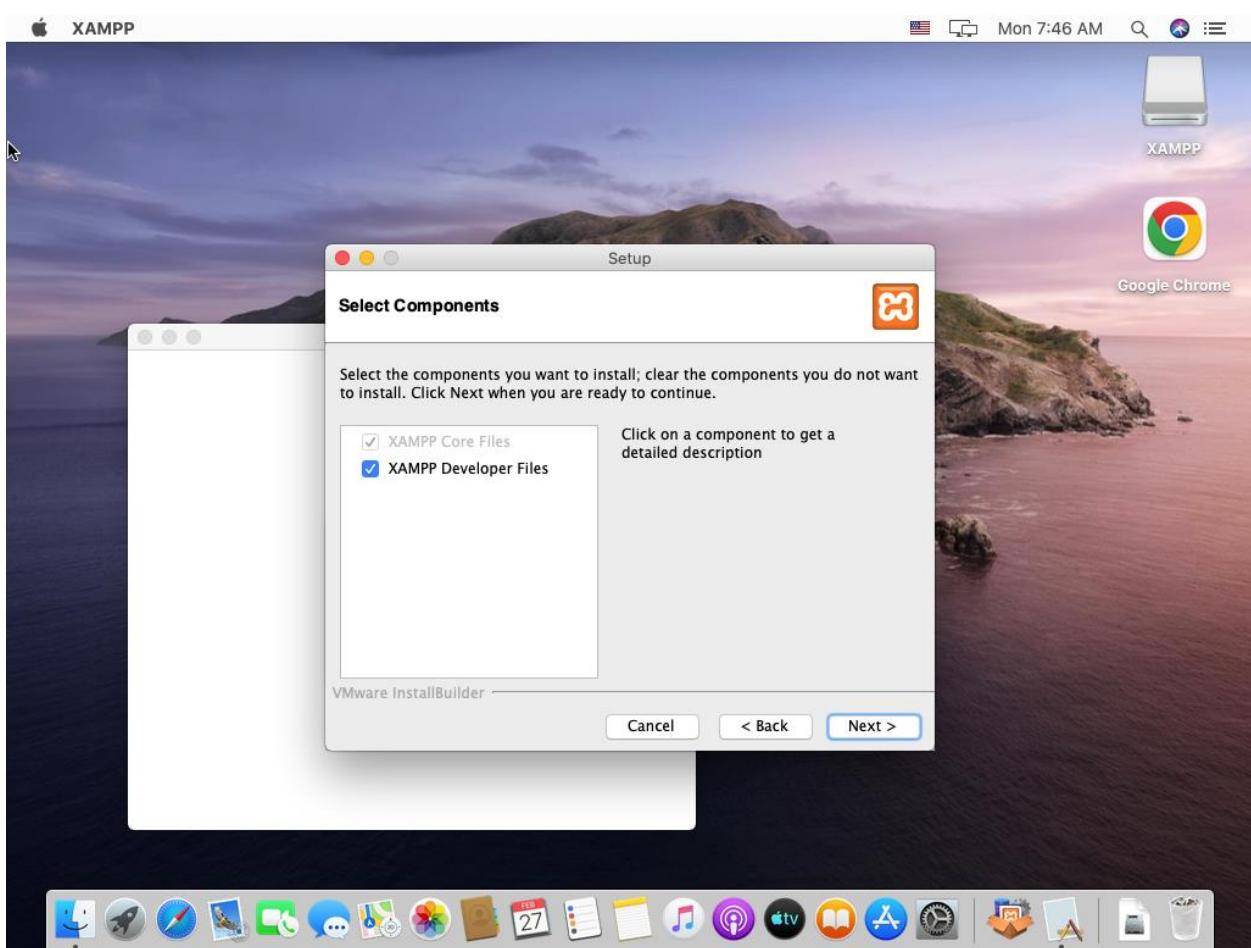




7. Set up the application by clicking Next.

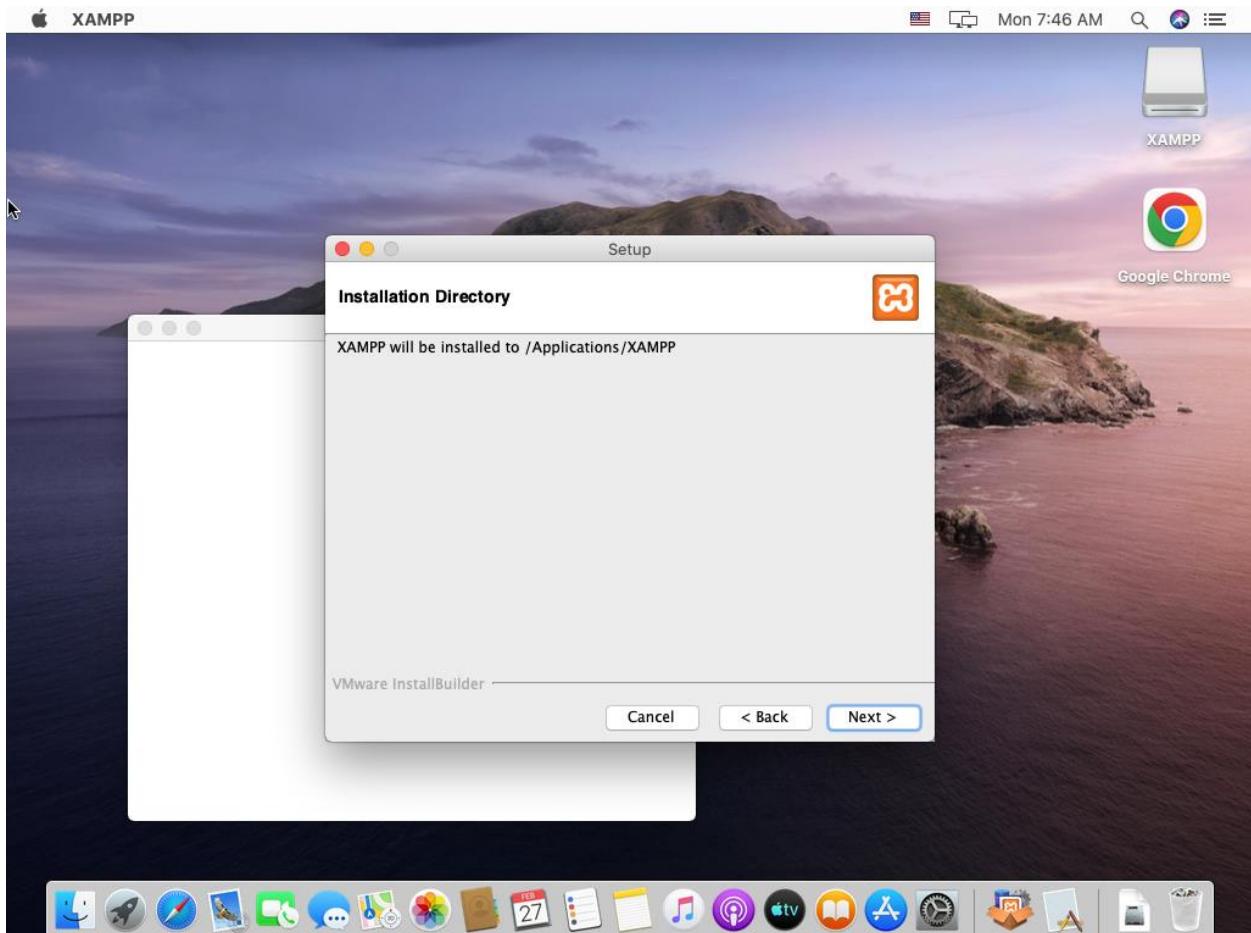


8. Select "XAMPP Developer Files." Click Next when you are ready to continue.

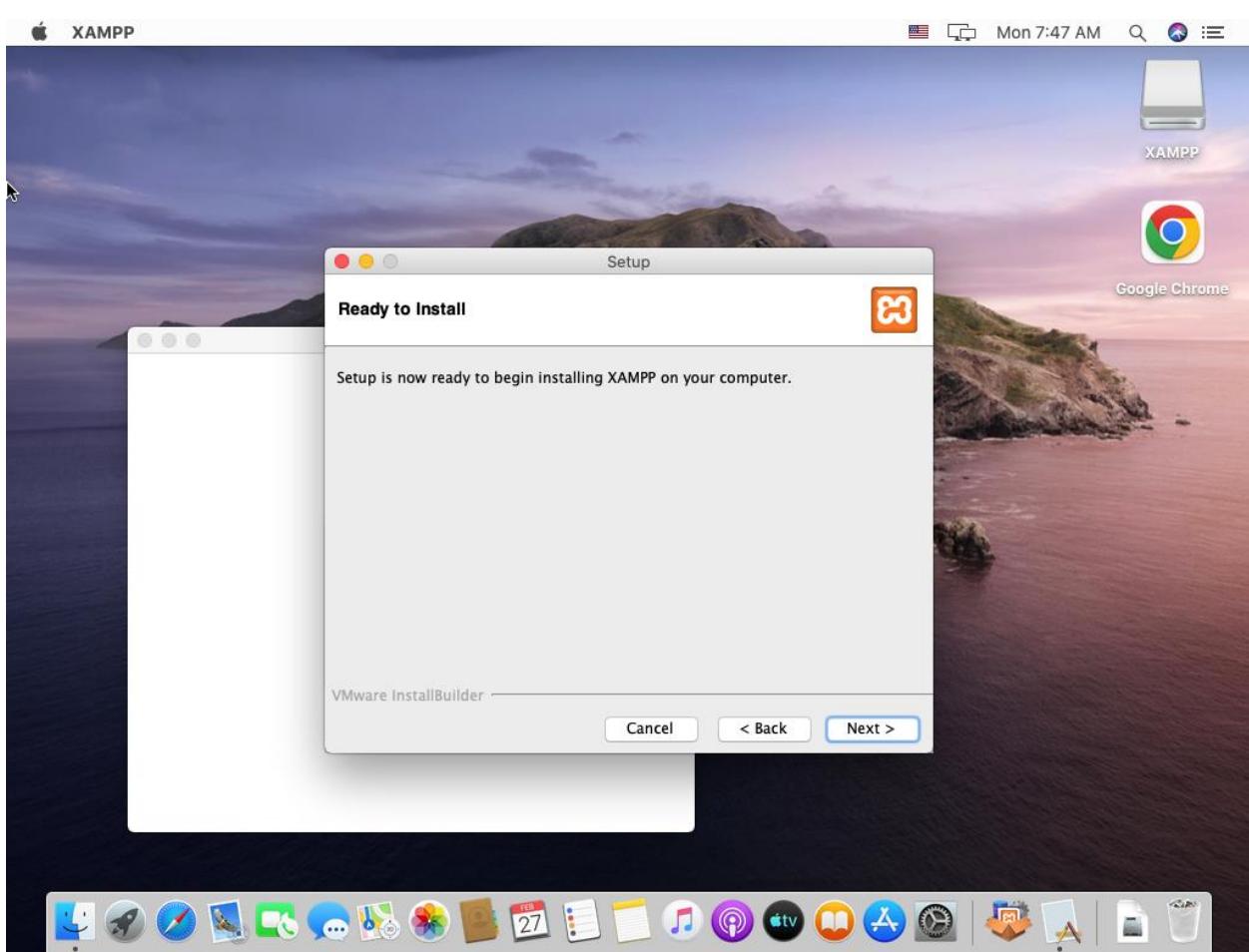




9. Click Next for the Installation Directory.

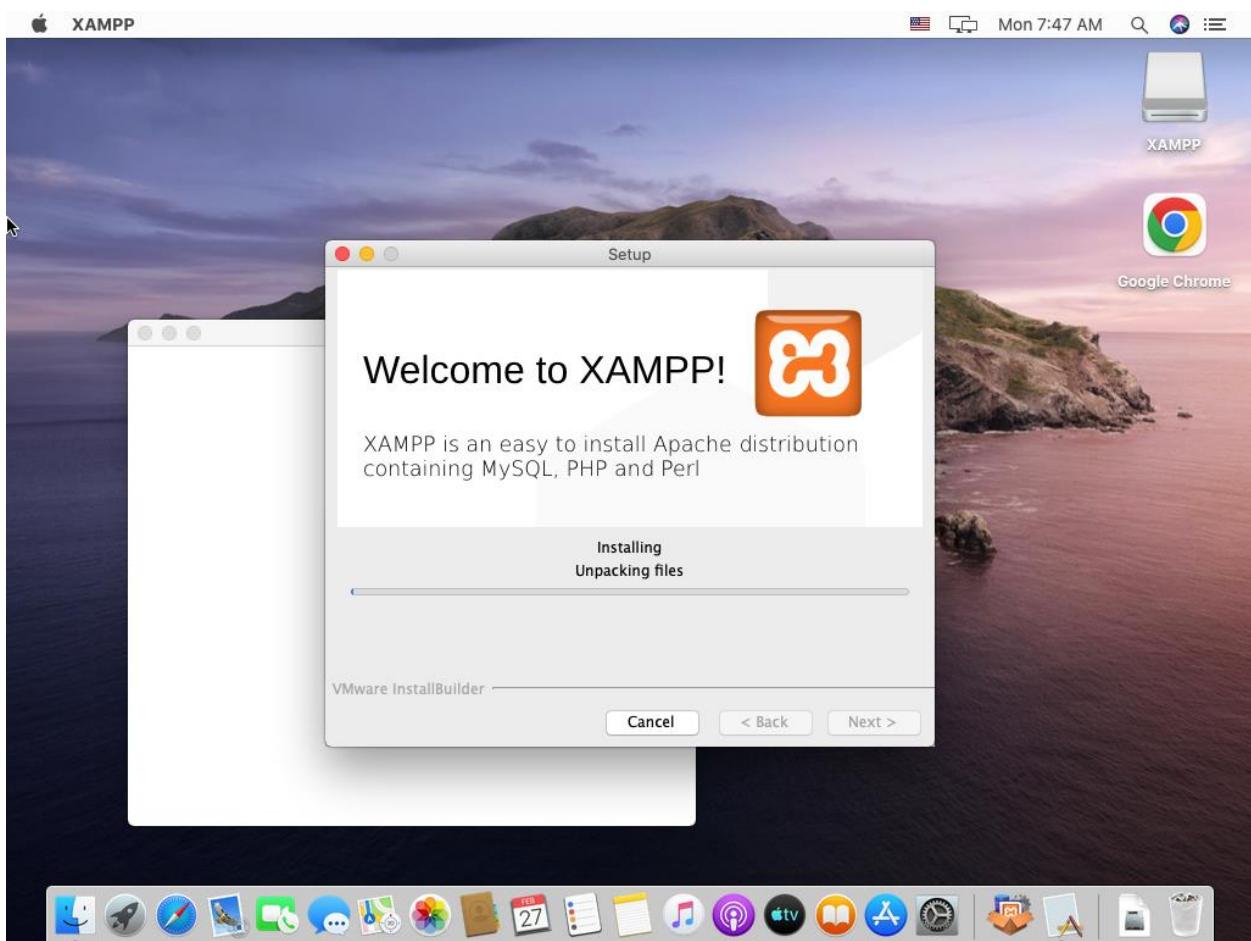


10. Click Next to proceed the installation.

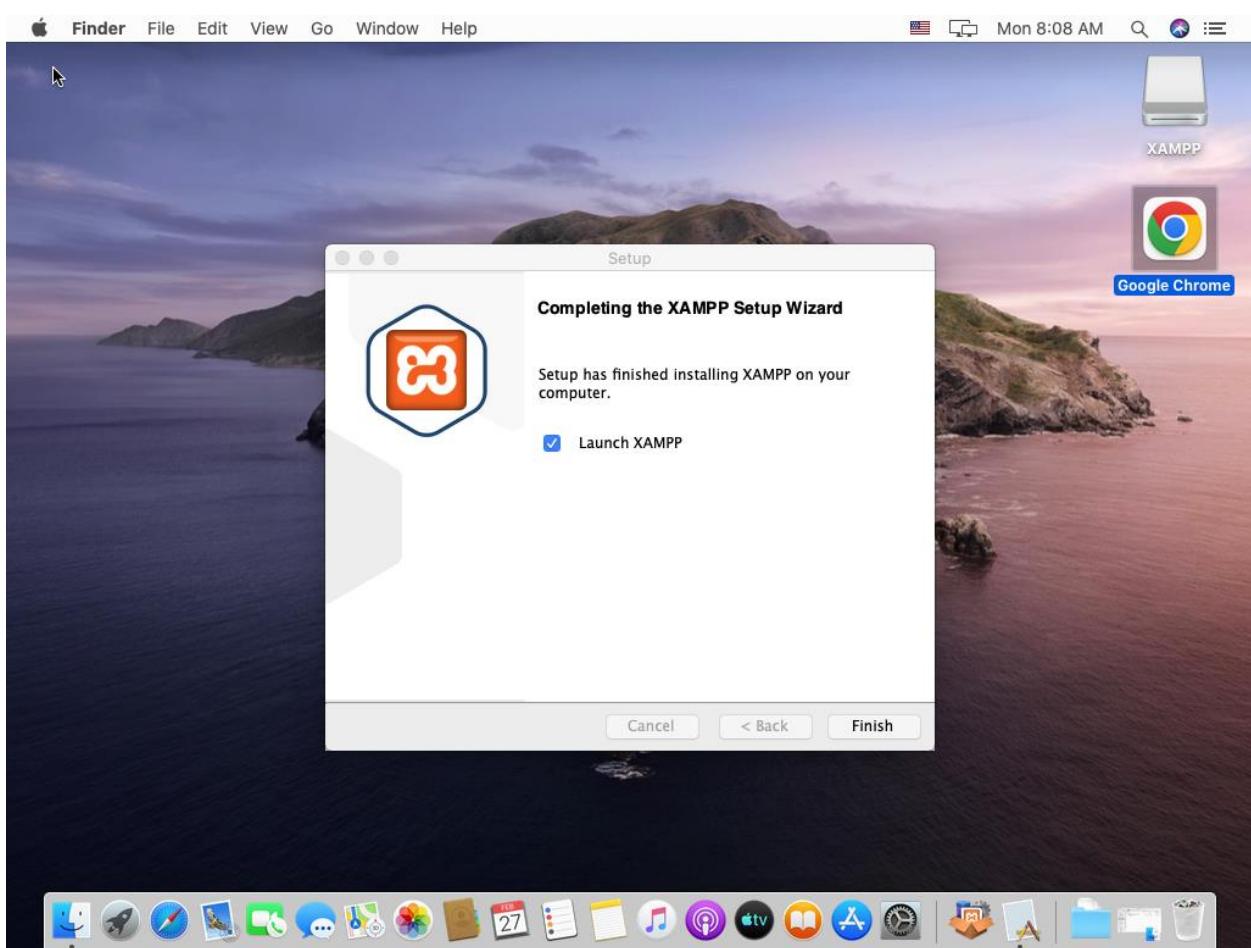




11. Wait for the installation to complete.

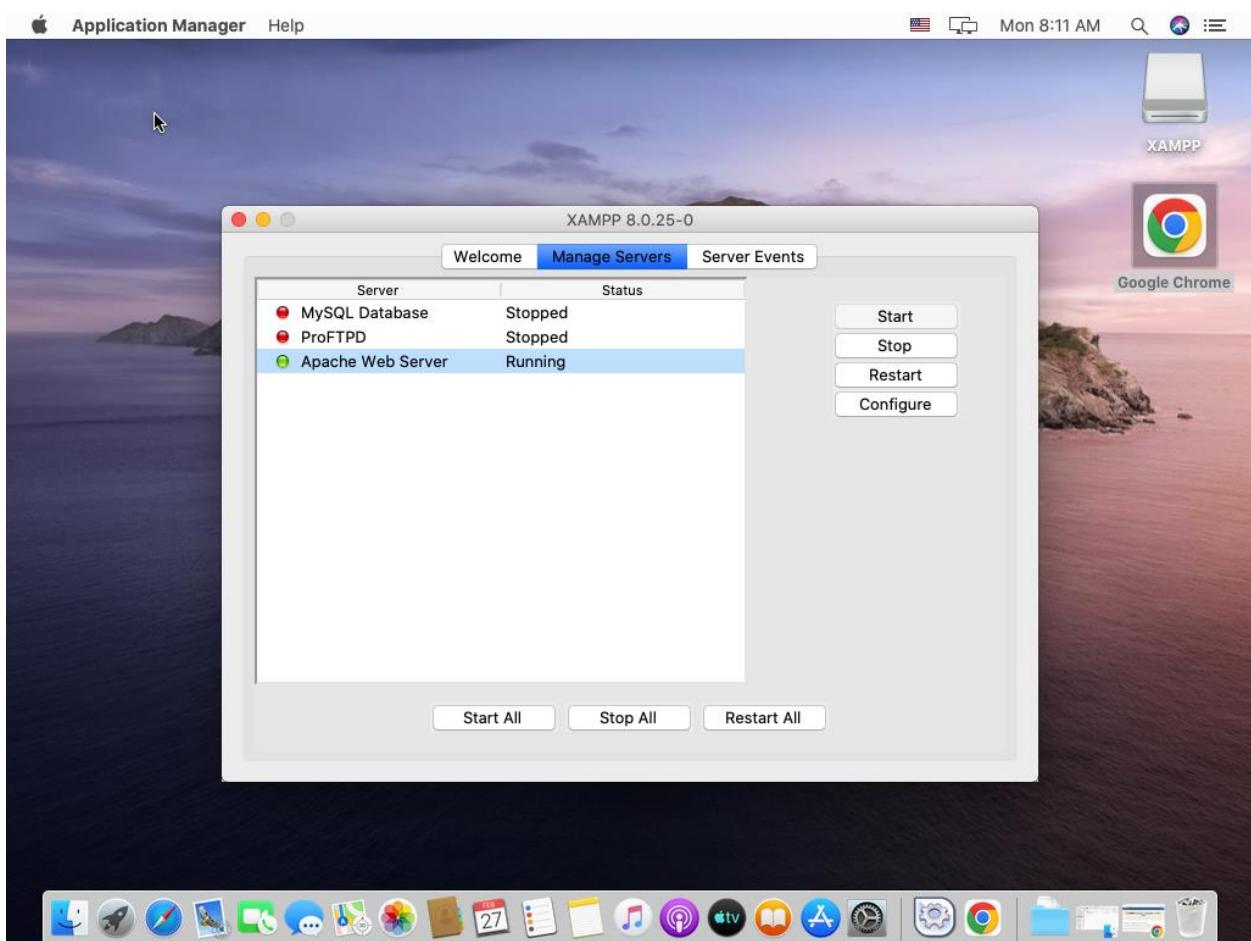


12. Once the installation is complete, click Finish to launch the application.

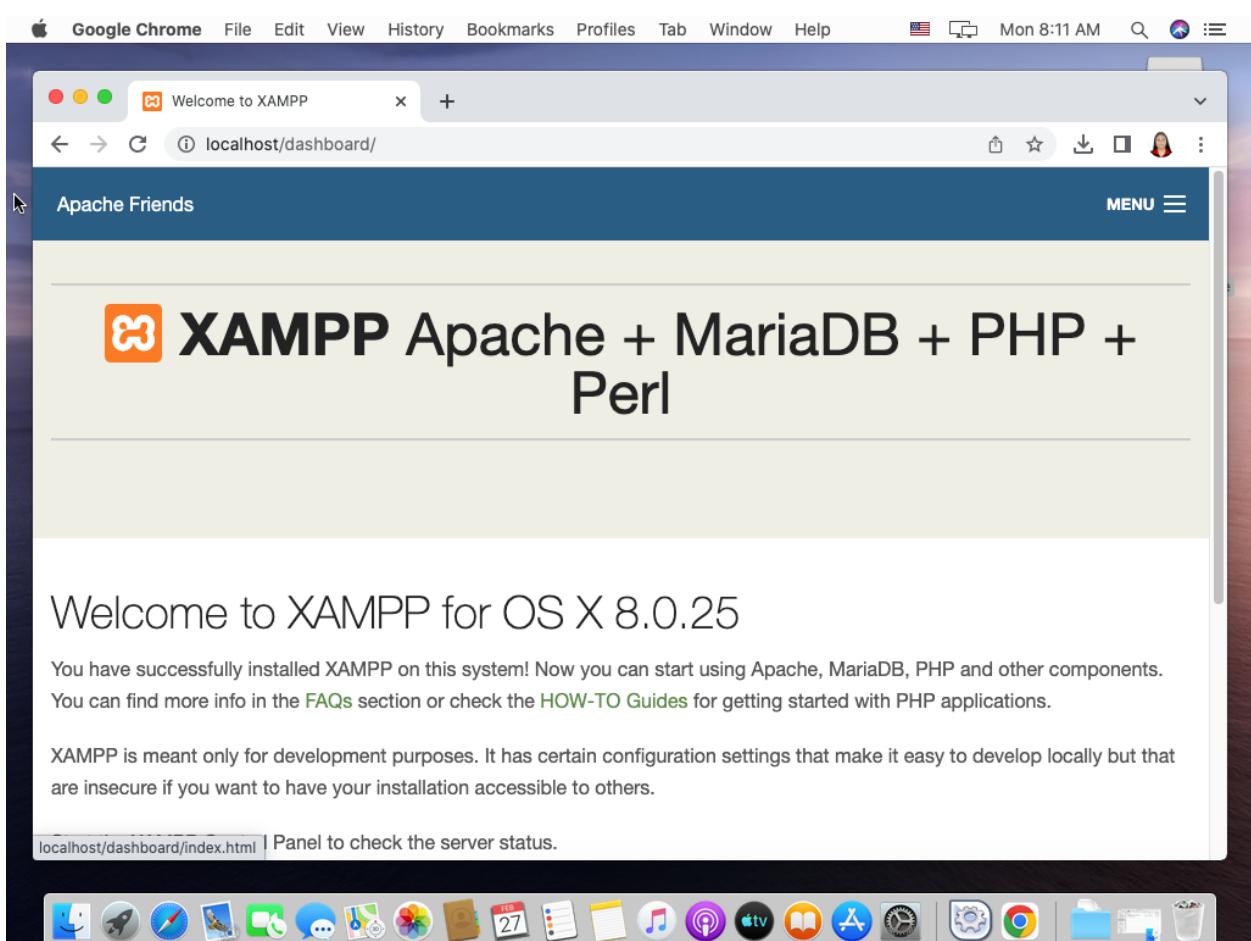




13. In the XAMPP control panel (Manage Servers Tab), select Apache Web Server and click start to run the localhost server.

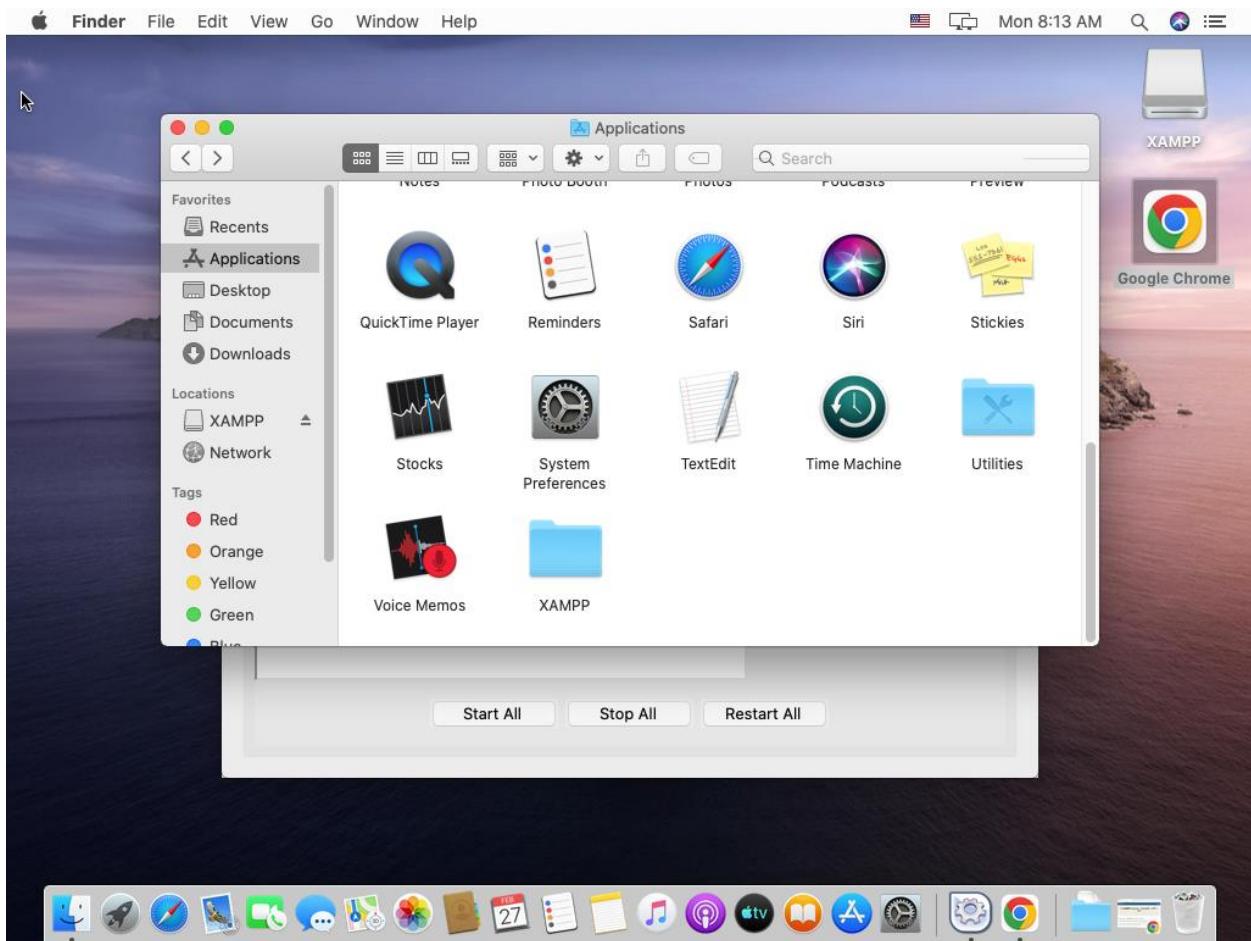


14. To test that XAMPP is working correctly, open your web browser and navigate to <http://localhost/>. If everything is working correctly, you should see the XAMPP welcome page.

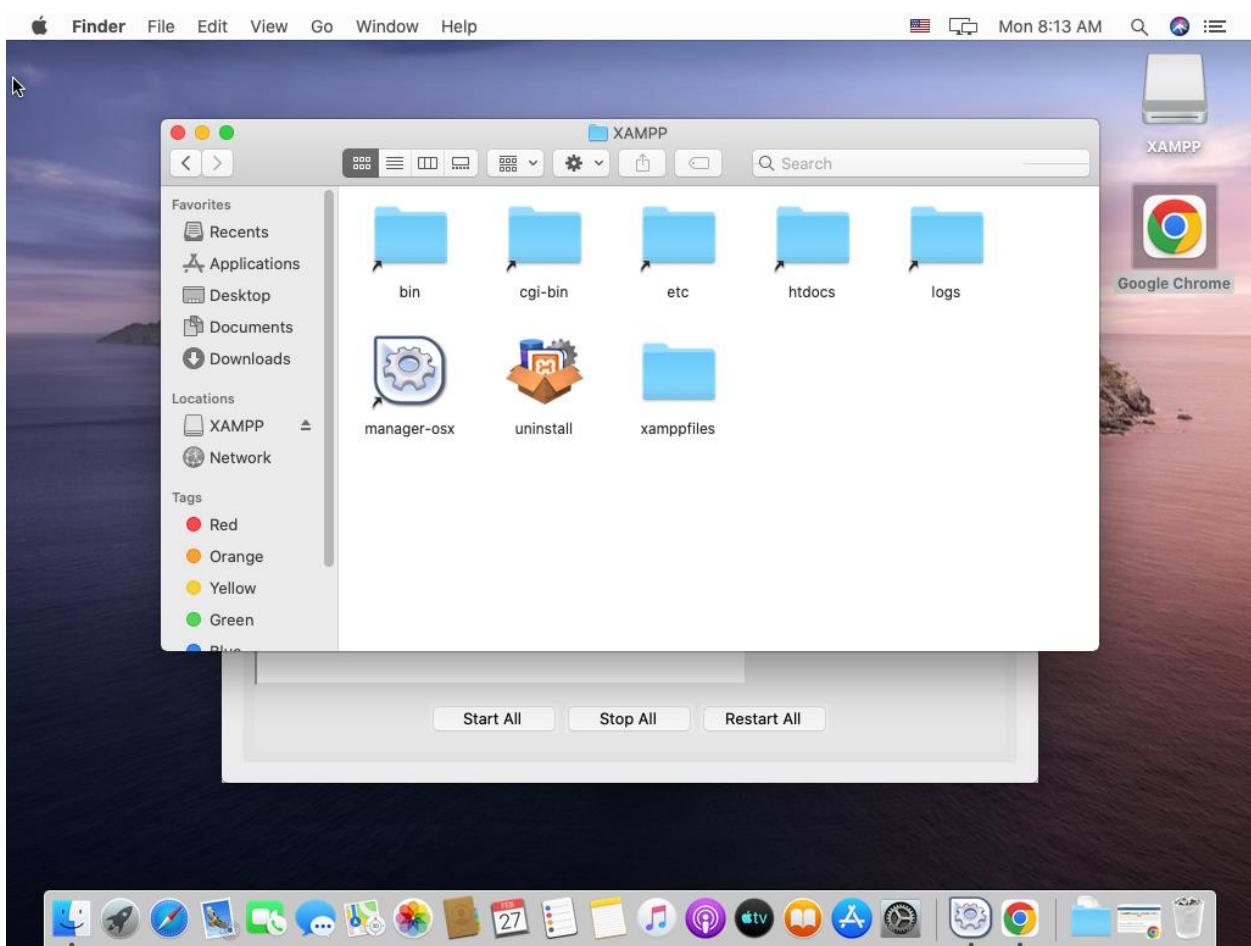


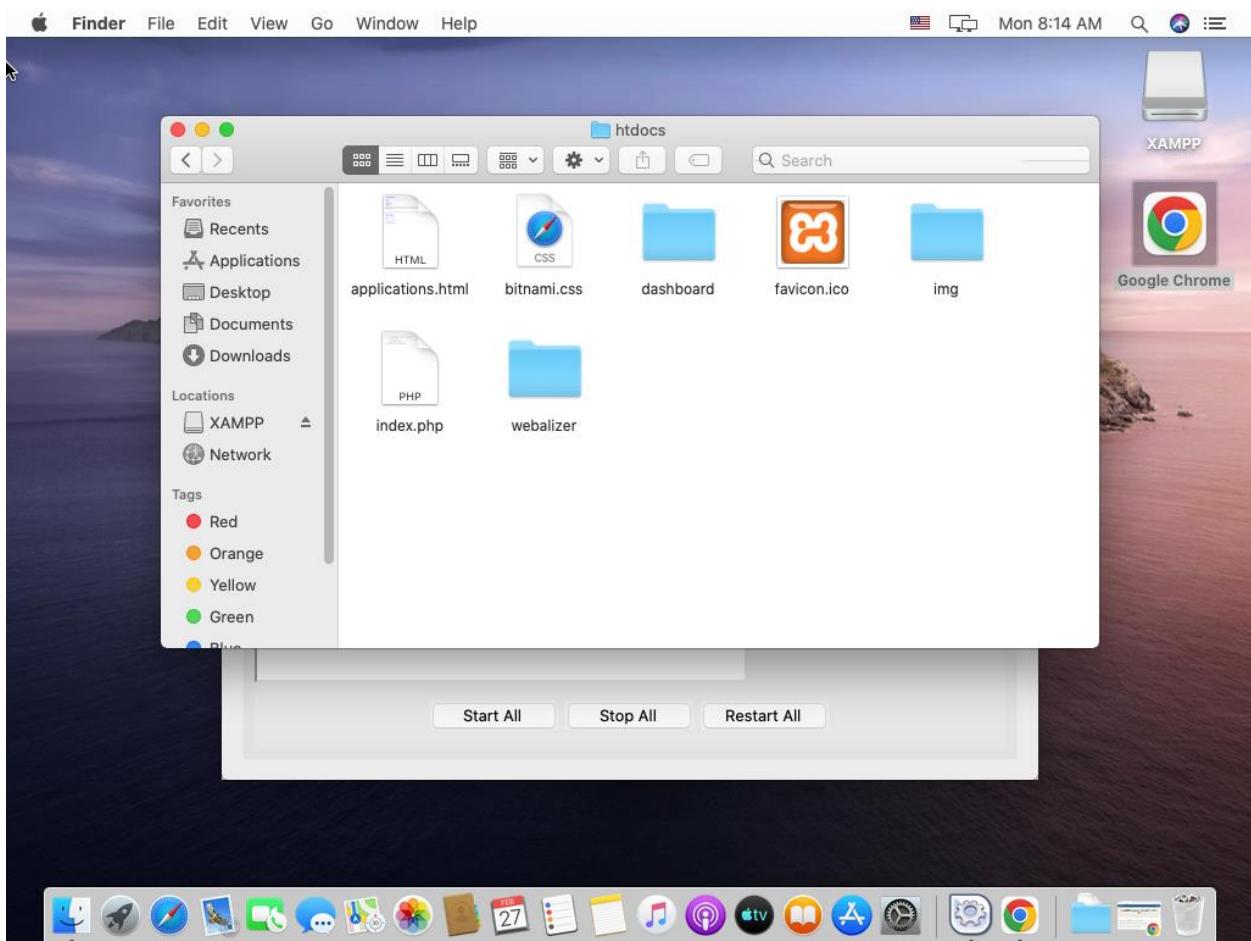


15. Go to Applications and open XAMPP folder.

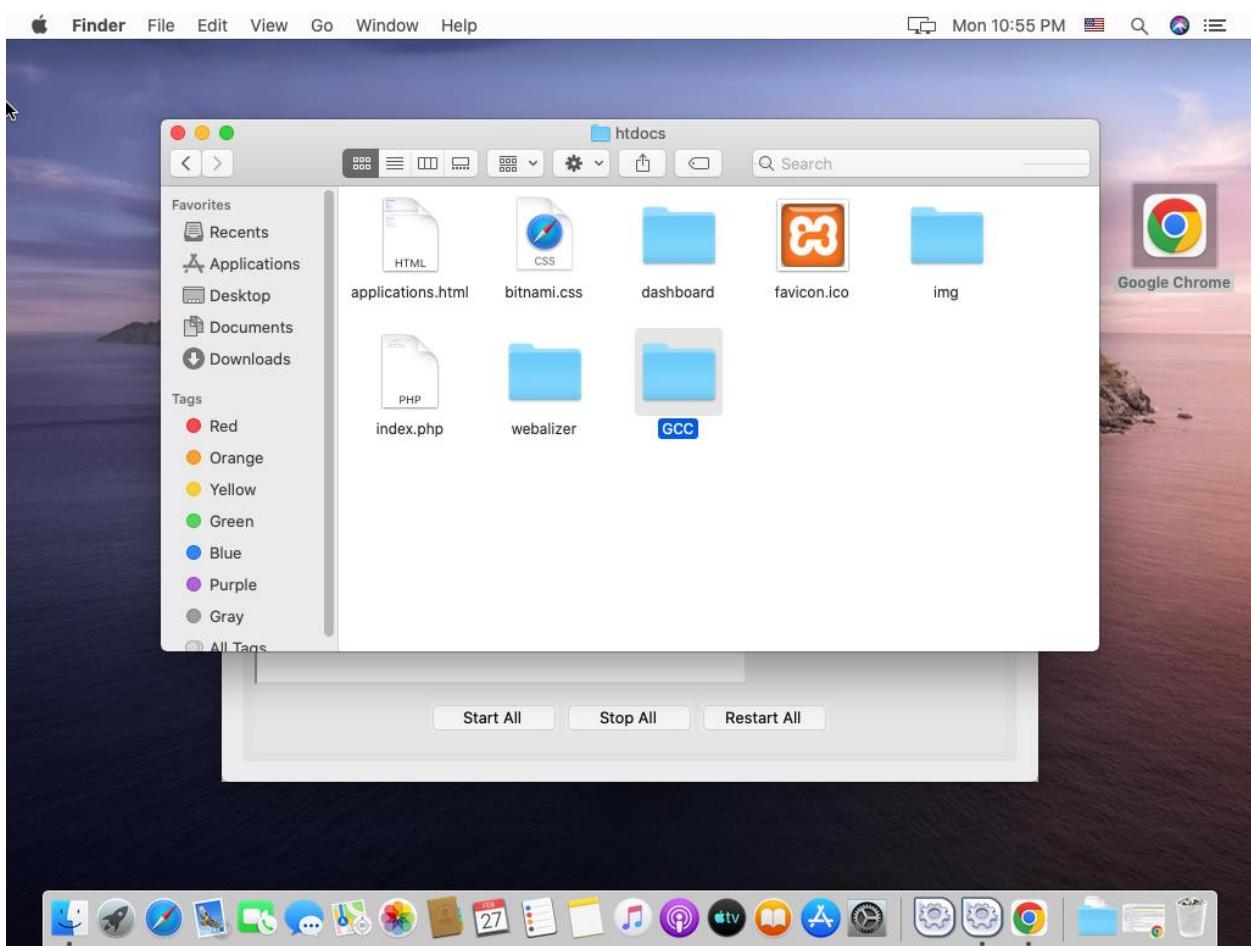


16. Go to "htdocs" folder



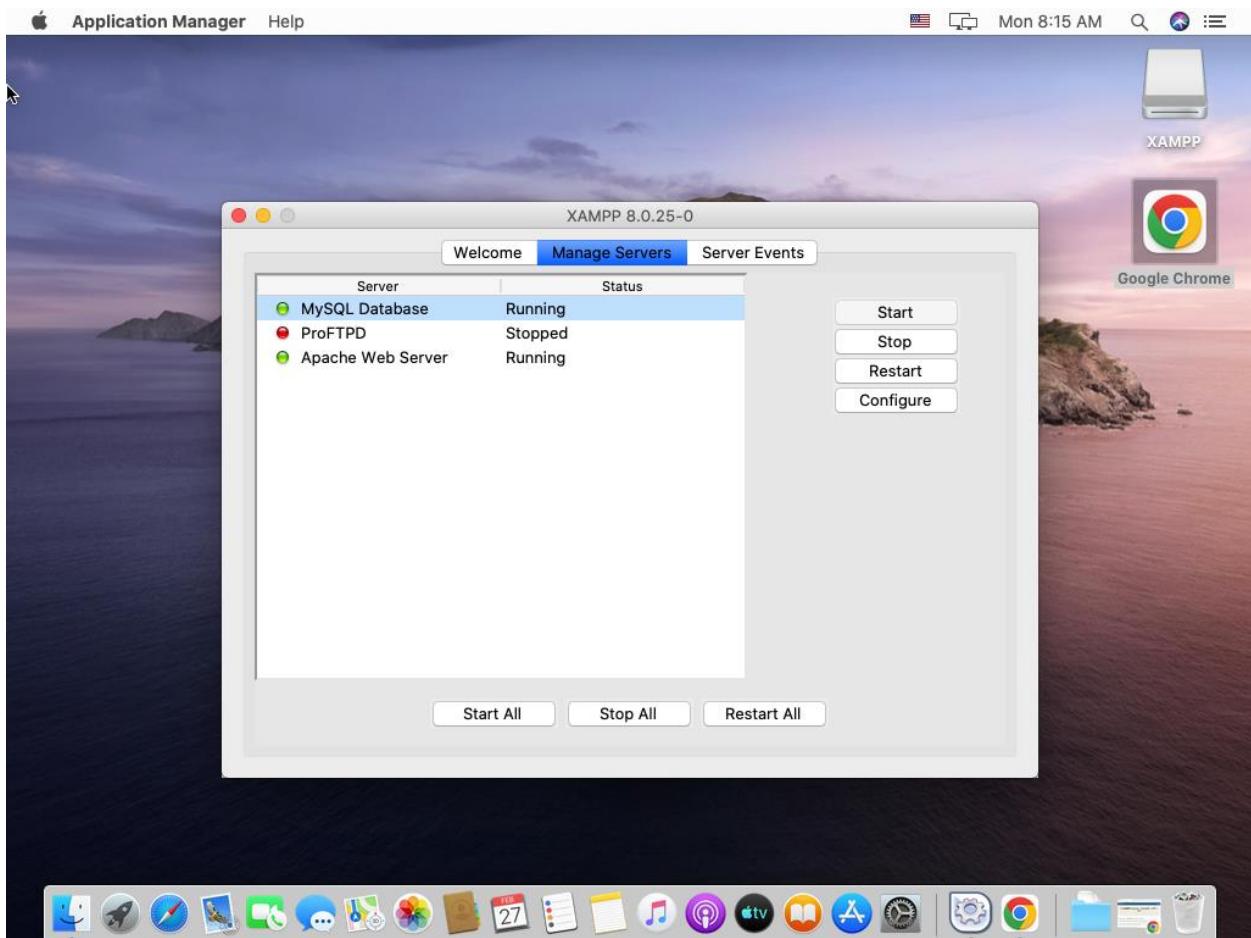


17. Download and extract the GCC folder, then place it inside the “htdocs” folder.

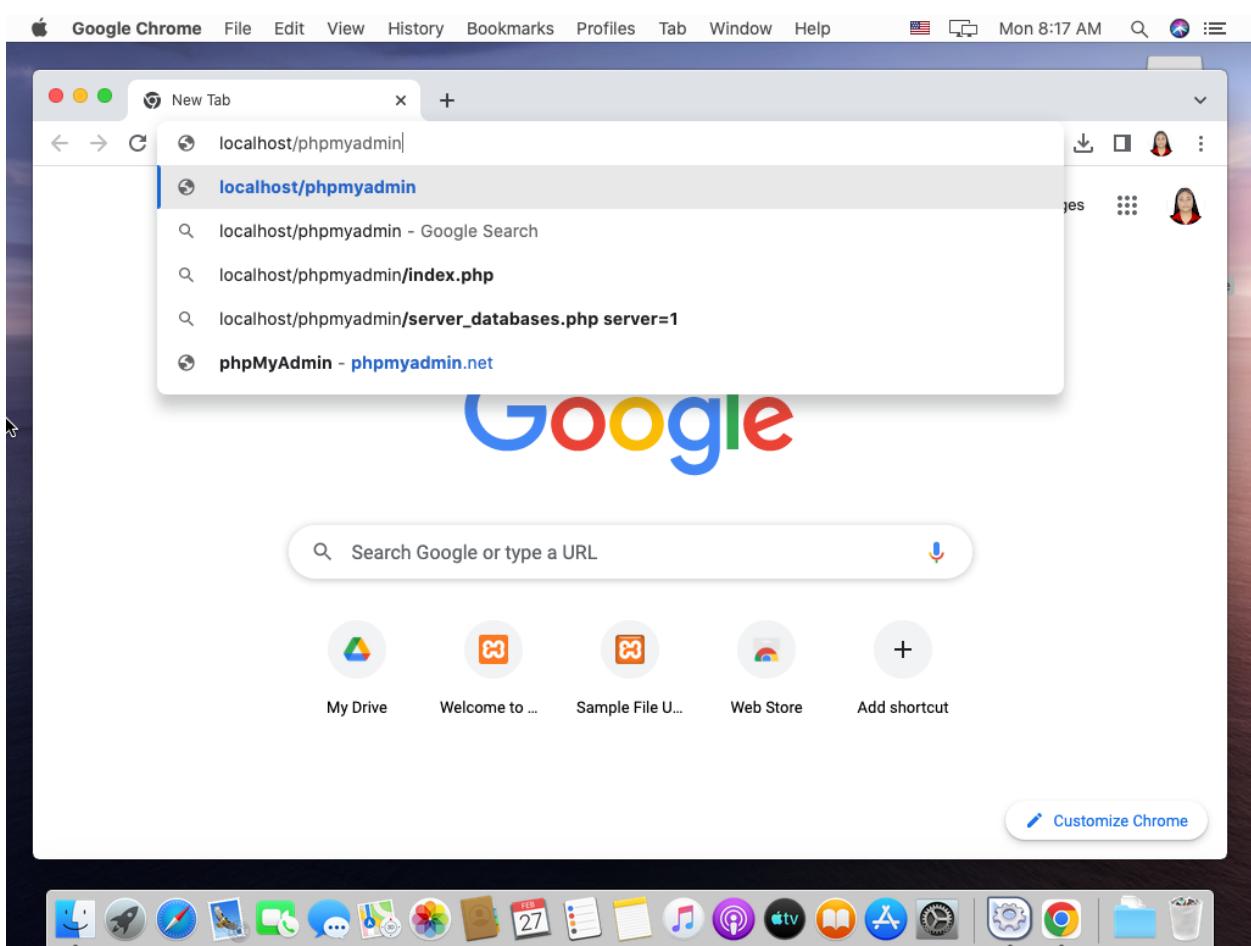




18. Go back to XAMPP Manage Servers Tab, select the MySQL Database and click start.



19. Go to web browser and type <http://localhost/phpmyadmin/>.





20. To create a database, click New.

The screenshot shows the phpMyAdmin interface in a Google Chrome browser. The title bar says "localhost / localhost | phpMyAdmin". The left sidebar has a tree view with "New" highlighted and circled in red. Other databases listed are information\_schema, mysql, performance\_schema, phpmyadmin, and test. The main panel shows "General settings" with "Server connection collation: utf8mb4\_unicode\_ci" and "Appearance settings" with "Language: English" and "Theme: pmahommme". At the bottom, there's a "Database server" section and a toolbar with various icons.

21. Set the database name to “uploadcsv” make sure the spelling is correct and the name is in lowercase. After that click “create” button. You can also view the browser tab in full screen so that you can have a full view and see all of the buttons.

The screenshot shows the phpMyAdmin interface in a Google Chrome browser. The title bar says "localhost / localhost | phpMyAdmin". The left sidebar shows databases: information\_schema, mysql, performance\_schema, and phpmyadmin. The main panel shows the "Databases" section with a "Create database" form where "uploadcsv" is entered. A red oval highlights this form. Below it is a table of existing databases: information\_schema, mysql, performance\_schema, and phpmyadmin, each with its collation and a "Check privileges" link. At the bottom, there's a note about enabling statistics and a "Console" link.



22. Click the “Import” button found at the top part of the page.

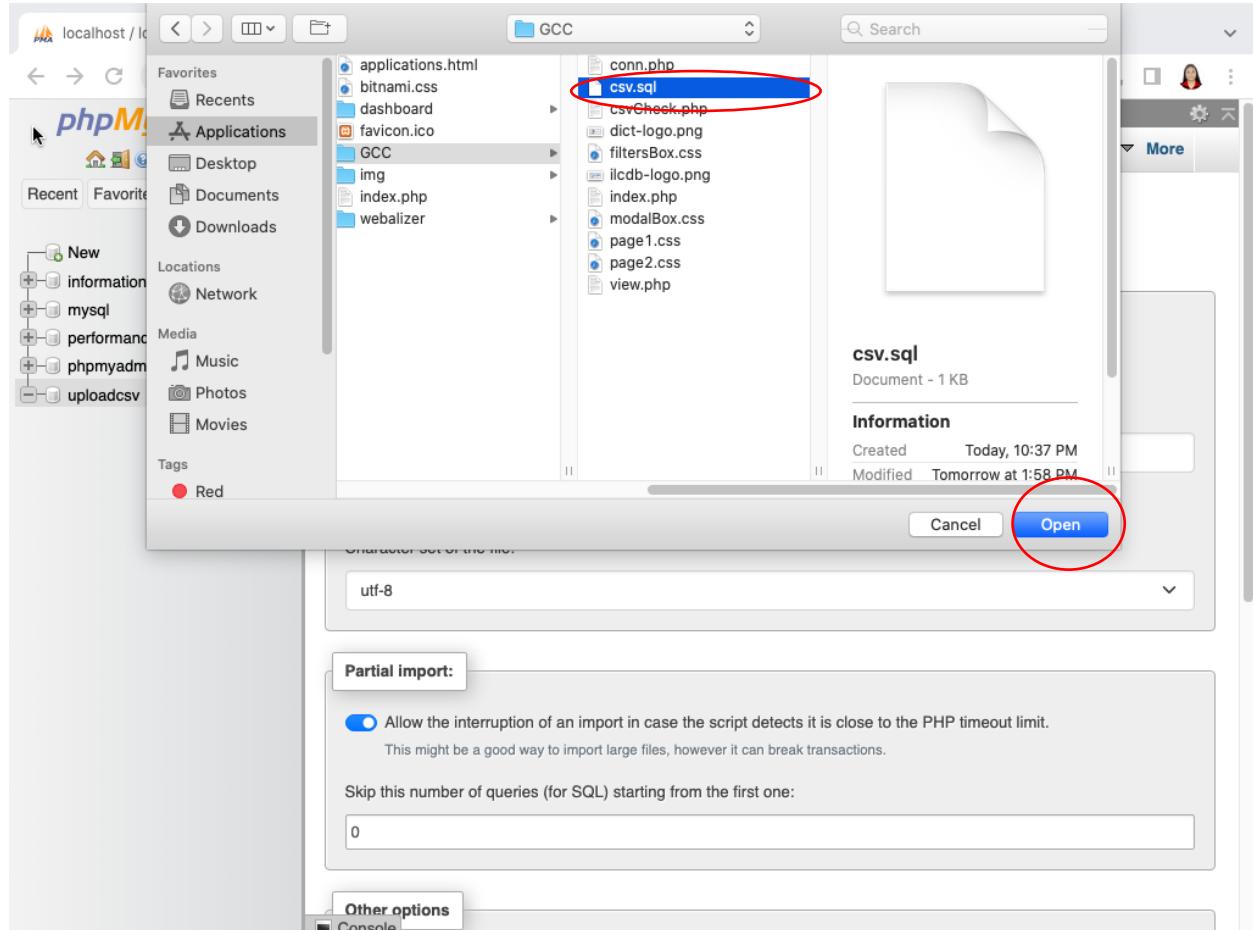
The screenshot shows the phpMyAdmin interface for a database named 'uploadcsv'. The 'Import' tab is circled in red at the top of the toolbar. Below it, a 'Create new table' section is visible with fields for 'Table name' and 'Number of columns' set to 4. A 'Create' button is also present. The left sidebar lists various databases: information\_schema, mysql, performance\_schema, phpmyadmin, and uploadcsv.

23. In the import page, click on the “Choose File”.

The screenshot shows the 'Import' page for the 'uploadcsv' database. The 'File to import:' section is highlighted with a red circle around the 'Choose File' button. It includes instructions for compressed files and a note about file size (Max: 40MB). Below the file input field, there's a note about dragging and dropping files. The 'Character set of the file:' dropdown is set to 'utf-8'. The 'Partial import:' section contains an option to allow interruptions and a field to skip queries. The bottom of the page has an 'Other options' section and a 'Console' link.



24. Inside the GCC Folder (the folder that we placed inside the Applications/xampp/htdocs folder), you can find a “csv.sql” file. Select that file and click open.



The screenshot shows the phpMyAdmin interface for importing a CSV file. The database is set to 'uploadcsv'. The 'Import' tab is selected. A file input field shows 'Choose File' with 'csv.sql' selected. The 'Character set of the file:' dropdown is set to 'utf-8'. The 'Partial import:' section has a checked checkbox for allowing interruption if the script detects it's close to the PHP timeout limit. A note states: 'This might be a good way to import large files, however it can break transactions.' Below this is a text input field for skipping a number of queries starting from the first one, with '0' entered. At the bottom left of the import form is a 'Console' link.



25. Scroll through the bottom part of the page and click “Import”.

The screenshot shows the phpMyAdmin interface for the 'uploadcsv' database. The 'Import' tab is selected. A red circle highlights the 'Import' button at the bottom left of the main panel. Other visible options include 'Format: SQL', 'SQL compatibility mode: NONE', and 'Do not use AUTO\_INCREMENT for zero values'.

26. If the import was a success, you can see messages displayed like this.

The screenshot shows the phpMyAdmin interface after a successful import. The 'Import' tab is still selected. The results area displays several green success messages and the executed SQL queries. Key messages include: 'Import has been successfully finished, 12 queries executed. (csv.sql)', 'MySQL returned an empty result set (i.e. zero rows). (Query took 0.0007 seconds.)', and 'MySQL returned an empty result set (i.e. zero rows). (Query took 0.0025 seconds.)'. The SQL output includes commands like 'SET SQL\_MODE = "NO\_AUTO\_VALUE\_ON\_ZERO";', 'START TRANSACTION;', and 'SET time\_zone = "+00:00";'.



The screenshot shows the phpMyAdmin interface for the 'uploadcsv' database. The 'Import' tab is selected. The SQL query pane contains the following code:

```
-- Database: `uploadcsv` --
-- Table structure for table `csv` --
CREATE TABLE `csv` (
  `uname` varchar(100) NOT NULL,
  `email` varchar(50) NOT NULL,
  `region` varchar(10) DEFAULT NULL,
  `externalID` int(50) NOT NULL,
  `specialization` varchar(50) NOT NULL,
  `university` varchar(50) NOT NULL,
  `enrollTime` varchar(200) DEFAULT NULL,
  `lastSpecializationTime` varchar(200) DEFAULT NULL,
  `completedCourses` int(10) NOT NULL,
  `totalCourses` int(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

Below the code, there are four green success messages indicating empty result sets from previous queries. The bottom of the screen shows the console output:

```
localhost/phpmyadmin/index.php [Console] SET COLLATION CONNECTION=@OLD_COLLATION CONNECTION */;
```

27. If the import was a success, you can now close the phpMyAdmin page and go to <http://localhost/GCC/>.

The screenshot shows a Google Chrome window with the address bar set to 'localhost/GCC'. The main content area displays the Google search homepage. The chrome toolbar at the bottom includes icons for Welcome to..., phpMyAdmin..., My Drive, Sample File U..., Web Store, Add shortcut, and a Customize Chrome button.



28. If all of the steps are done correctly with no issues, you can view the system landing page.

The screenshot shows a web browser window titled "Sample File Upload". The address bar indicates the URL is "localhost/GCC/". The main content area displays two file upload fields. The top field is labeled "Users Report from Coursera CSV" and the bottom field is labeled "Consolidated Regional list CSV". Both fields have a "Choose File" button and a message stating "No file chosen". Below these fields is a large blue "SUBMIT" button.



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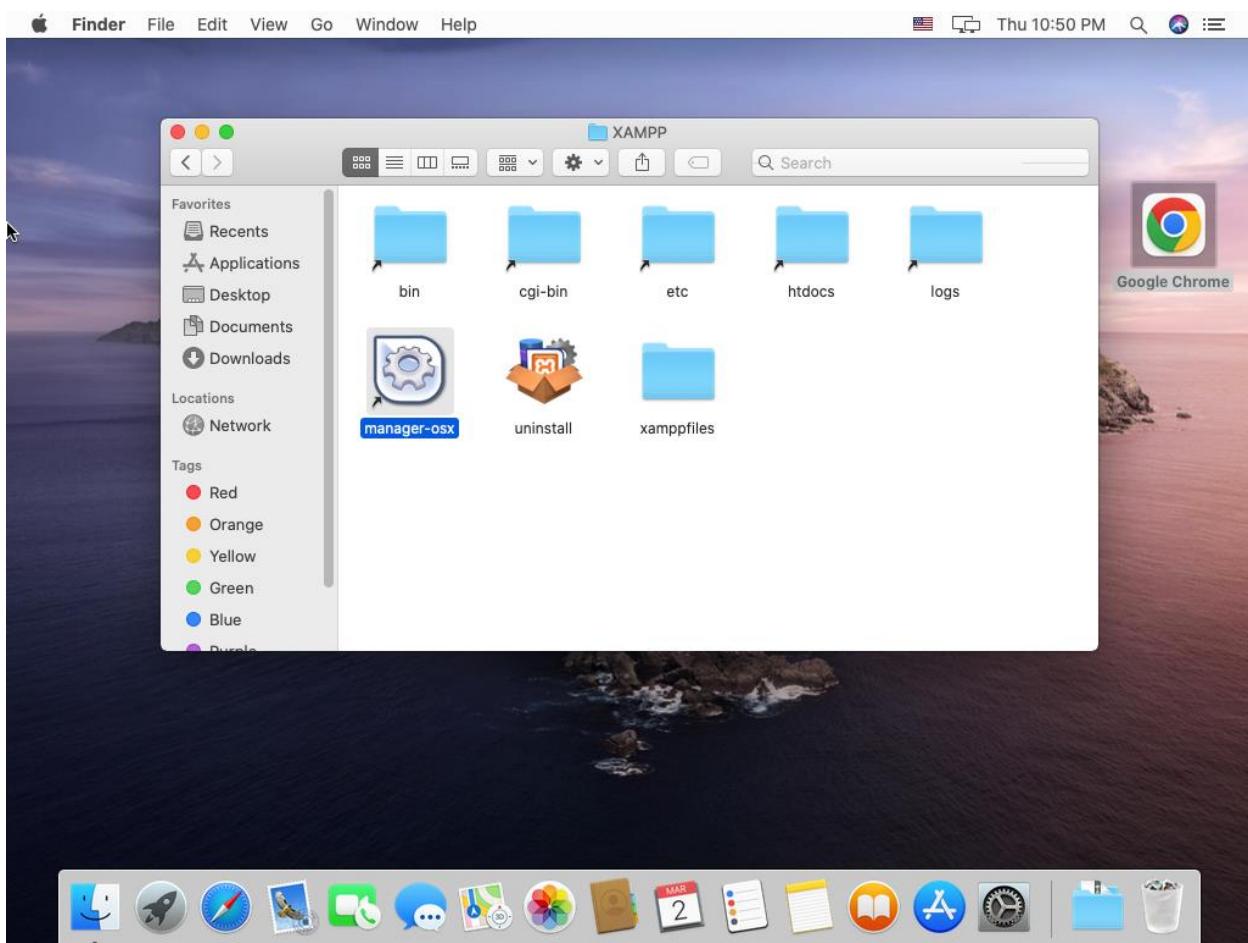
# System User Manual



1. Go to Applications and open the XAMPP folder.

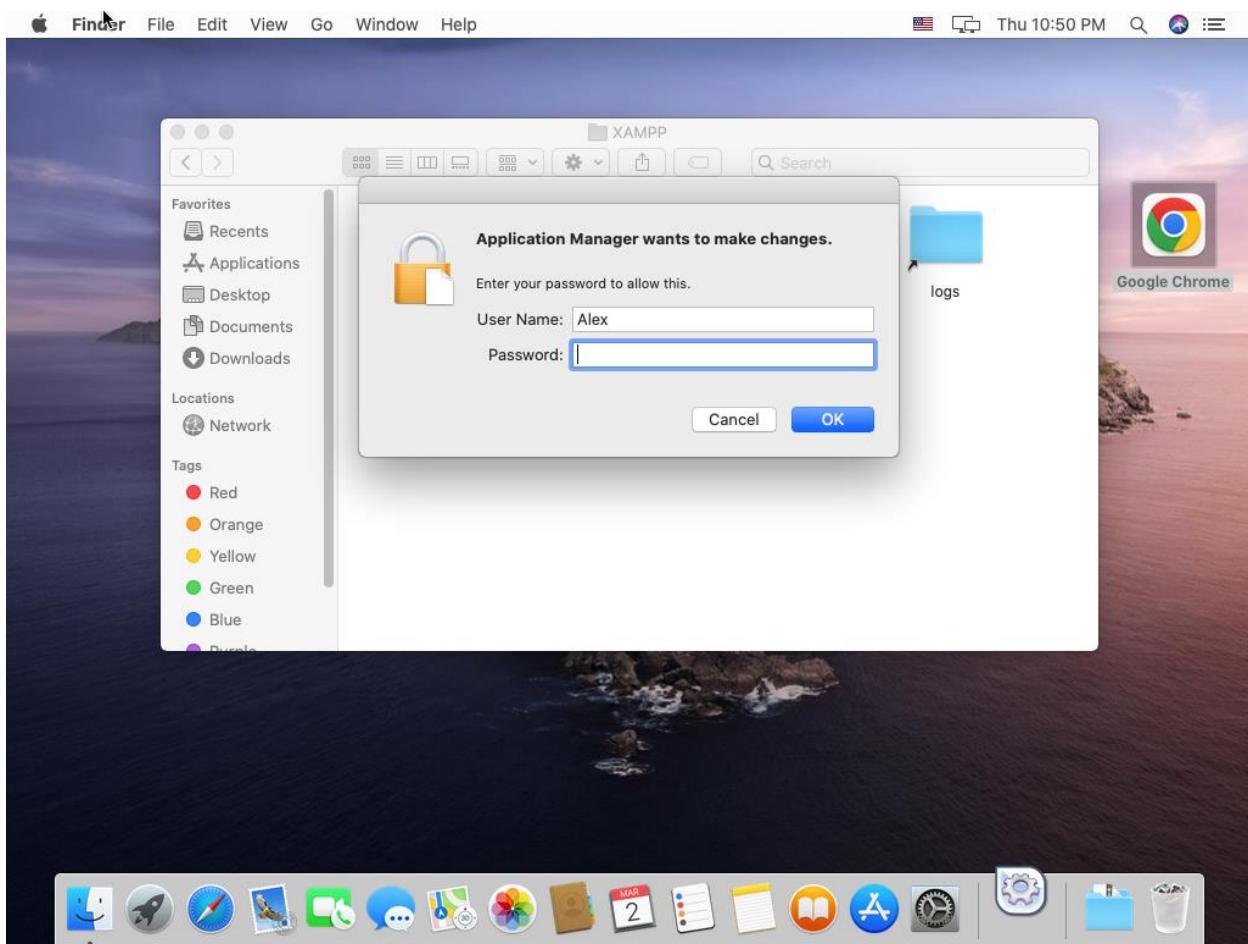


2. Launch the XAMPP application (manager-osx).

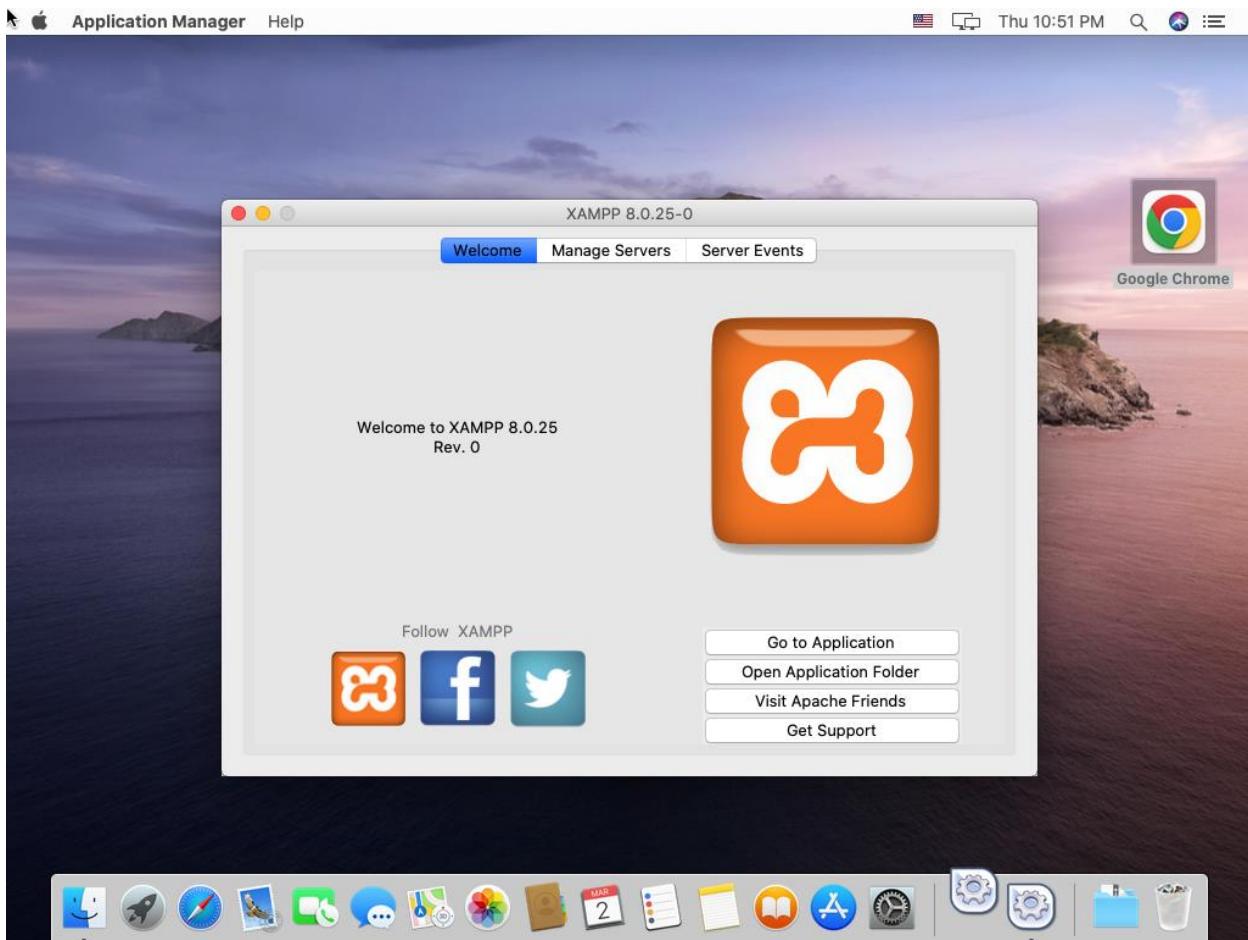




3. You will be prompted to enter your password before launching the application.

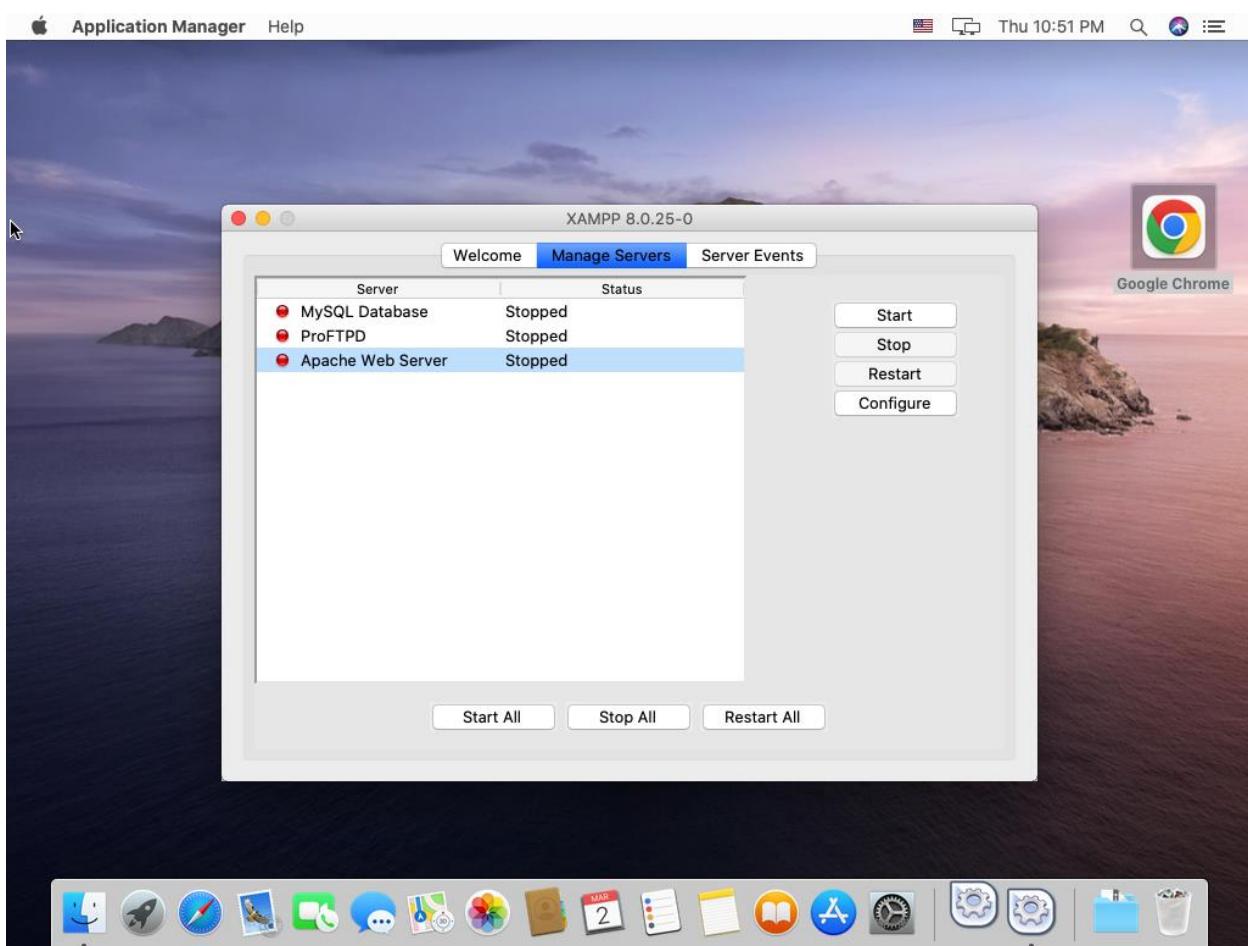


4. Once you entered your password, the XAMPP application will continue to launch.

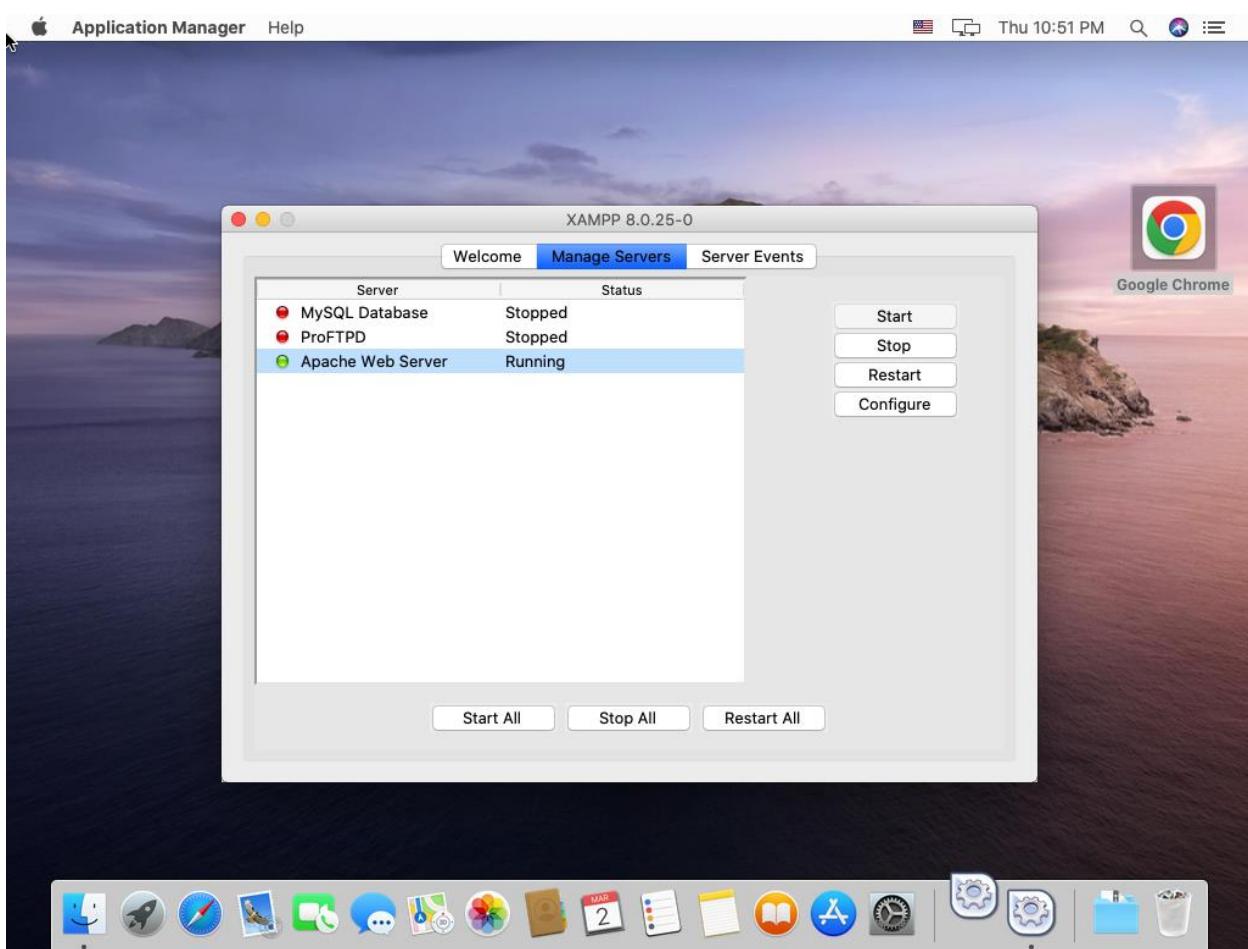




5. Go to Manage Servers tab.

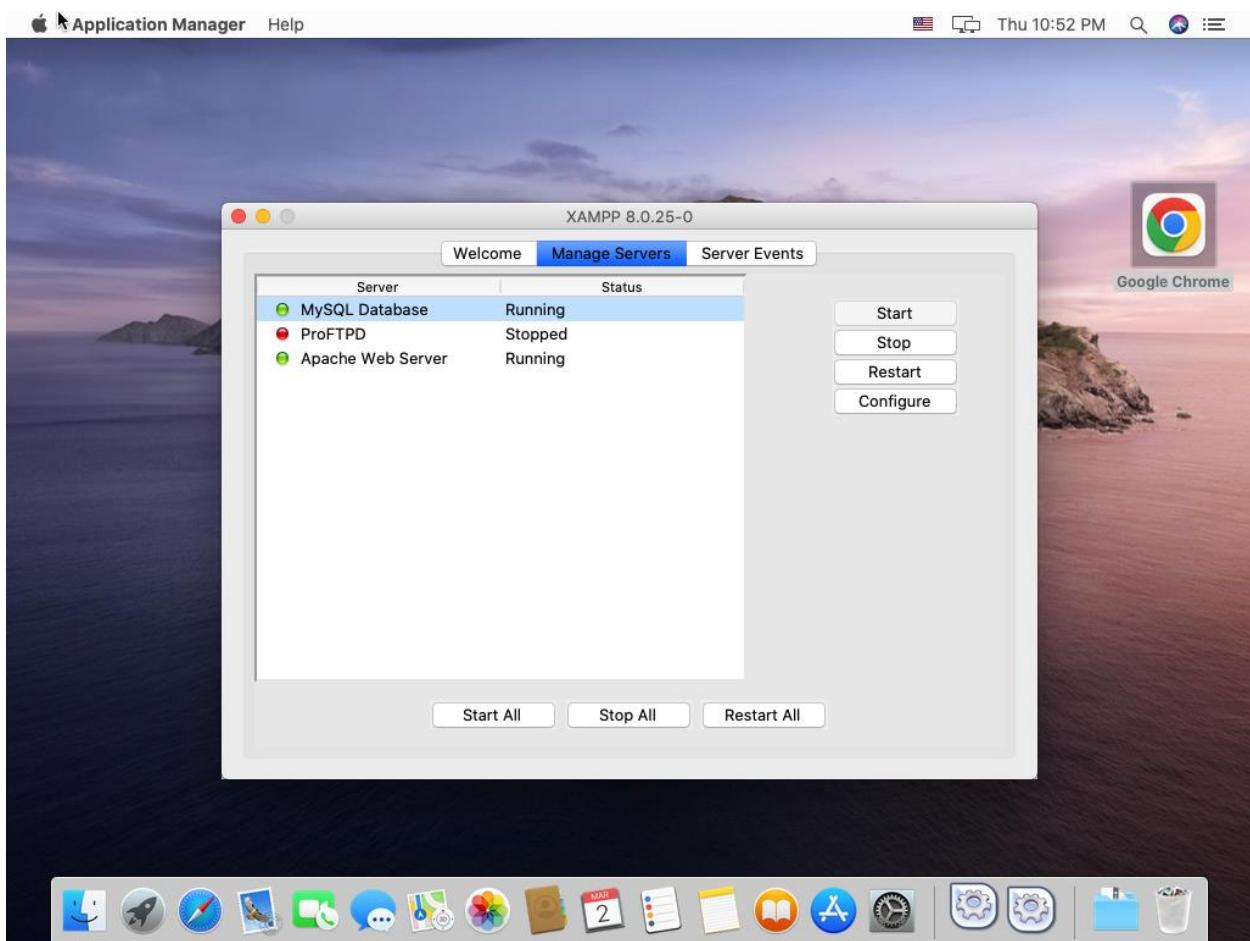


6. Select Apache Web Server and click start.

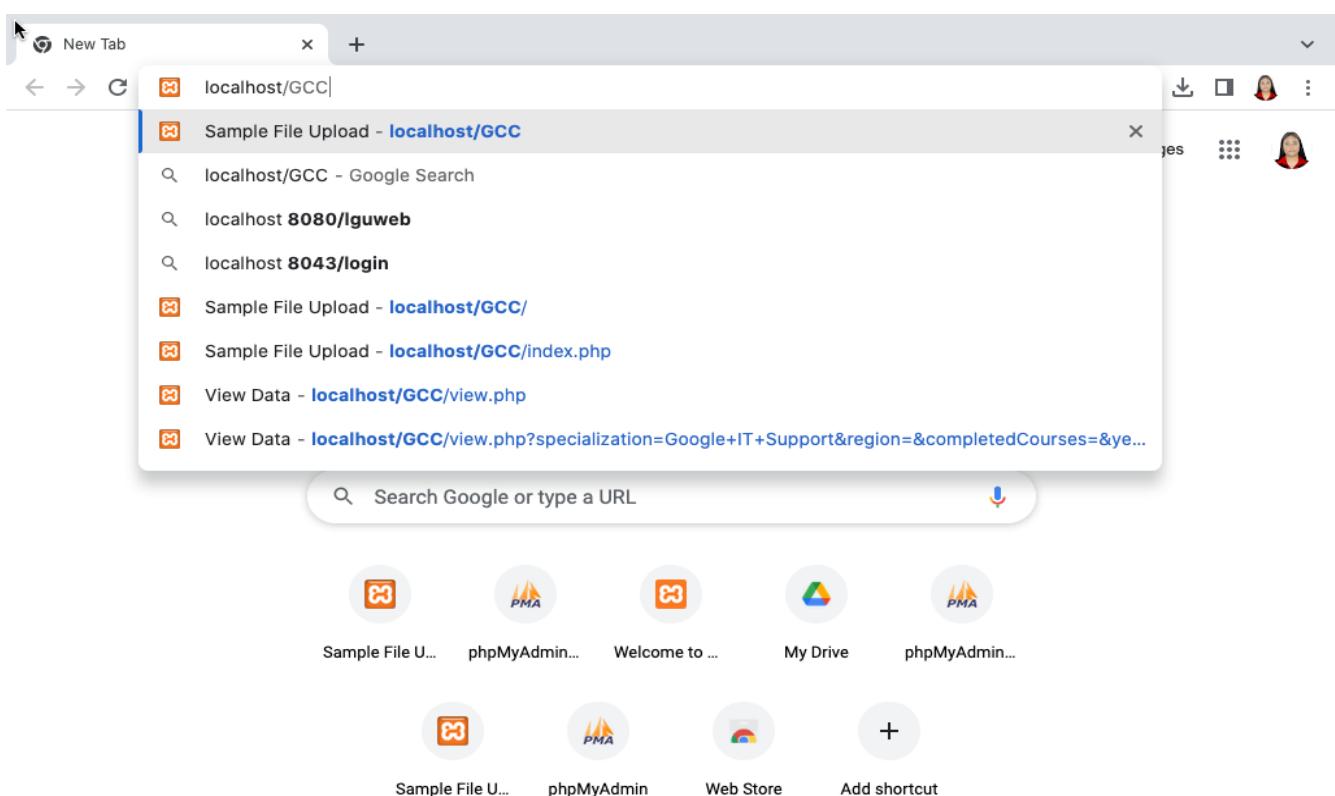




7. Select MySQL Database and click start.



8. Launch your web browser and go to <http://localhost/GCC/>.





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9. This is the system landing page. This is where you will upload the Coursera CSV and GCC Master list csv. The system only accepts CSV files.

The screenshot shows a web browser window titled "Sample File Upload" with the URL "localhost/GCC/". The page has a blue header and a white content area. At the top left is the DICT logo. Below it are two sections for file uploads:

- Coursera CSV**: A "Choose File" button with the message "No file chosen".
- GCC Masterlist CSV**: A "Choose File" button with the message "No file chosen".

A large blue "SUBMIT" button is located at the bottom center of the form.

10. If you clicked "Submit" without choosing any files, an error message will be displayed.

The screenshot shows the same web browser window after attempting to submit the form without selecting any files. The error messages are now displayed:

- Coursera CSV**: "Error: Please upload file"
- GCC Masterlist CSV**: "Error: Please upload file."

At the bottom of the page, there is a general error message: "There was a problem in uploading the csv to the database table."



11. The system checks if you submitted the appropriate csv by checking the csv's number of columns. If you uploaded the wrong file, it will display an error message.

Sample File Upload    +

localhost/GCC/index.php

 DICT 

**Coursera CSV**

**Choose File** No file chosen

Please check if the file has correct and complete number of columns.

**GCC Masterlist CSV**

**Choose File** No file chosen

Please check if the file has correct and complete number of columns.

**SUBMIT**

There was a problem in uploading the csv to the database table.



12. The system also checks if the uploaded csv files contain correct columns by checking the column names and if they are in the correct order.

Expected columns and column names in Coursera CSV (in order and case sensitive).

- |                             |                                    |
|-----------------------------|------------------------------------|
| 1. Name                     | 8. # Completed Courses             |
| 2. Email                    | 9. # Courses in Specialization     |
| 3. External ID              | 10. Completed                      |
| 4. Specialization           | 11. Removed                        |
| 5. University               | 12. Specialization Completion Time |
| 6. Enrollment Time          | 13. Specialization Certificate URL |
| 7. Last Specialization Time |                                    |

Expected columns and column names in GCC Masterlist CSV (in order and case sensitive).

1. Region
2. Name
3. Email

Sample File Upload    +

localhost/GCC/index.php

DICT  
INSTITUTE FOR INFORMATION AND COMMUNICATIONS TECHNOLOGY  
ILCDB  
INSTITUTE FOR LIBRARY AND CULTURAL DEVELOPMENT BOARD

Coursera CSV

Choose File No file chosen

Please check if columns B C J are the correct columns for this file.

GCC Masterlist CSV

Choose File No file chosen

Please check if columns A C are the correct columns for this file.

SUBMIT

There was a problem in uploading the csv to the database table.



13. The system also validates the values in each column and displays an error if there are invalid entries.

Expected values in Coursera CSV for each column.

1. Name (user's full name comprised of letters a to z)
2. Email (valid email address)
3. External ID (numbers)
4. Specialization (Google IT Support, Google Data Analytics, Google UX Design, Google Project Management)
5. University (Google)
6. Enrollment Time (timestamp)
7. Last Specialization Time (timestamp)
8. # Completed Courses (numbers)
9. # Courses in Specialization (numbers)
10. Completed (Yes, No)
11. Removed (Yes, No)
12. Specialization Completion Time (timestamp)
13. Specialization Certificate URL (valid link)

Expected values in GCC Masterlist CSV for each column.

1. Region (1, 2, 3, 4A, 4B, 5, 6, 7, 8, 9, 10, 11, 12, 13, NCR, CAR, BARMM)
2. Name (user's full name comprised of letters a to z)
3. Email (valid email address)

The screenshot shows a web browser window with two separate forms for file uploads:

- Coursera CSV Form:** Displays the DICT logo and ILCDDB logo. A "Choose File" button shows "No file chosen". Below it, an error message in red text reads: "Please fix invalid entry at F4 H5 C7 M8 E9 J9 G10 D11 K14 B17 A18 I20".
- GCC Masterlist CSV Form:** Displays the DICT logo and ILCDDB logo. A "Choose File" button shows "No file chosen". Below it, an error message in red text reads: "Please fix invalid values at B4 A6 C7 B8 A14 C14". At the bottom of this form is a blue "SUBMIT" button. Below the "SUBMIT" button, another red message reads: "There was a problem in uploading the csv to the database table."



14. Lastly, the system checks if there are empty cells in each column except the Specialization Completion Time column and the Specialization Certificate URL column. If empty cells are found, it will display an error message.

Sample File Upload    +

localhost/GCC/index.php

Choose File No file chosen

Please fix the empty cells at G3 I4 A5 C6 E6 J6 D9 K10  
B12 F16 H20

Choose File No file chosen

Please fix empty cells at B5 A6 A9 C9 C14

SUBMIT

There was a problem in uploading the csv to the database table.



15. If the CSV files uploaded were correct, contains correct values, and does not have an empty cell, the system will proceed to check if there are duplicate accounts. The system looks for duplicate accounts by checking if the same name has two or more email address registered.

If there are no duplicate accounts found, the system will redirect you to view page where you can see the combined data from the two csv. If there are duplicate accounts found, it will display a small window containing the details about the duplicate accounts. You can export the details displayed to csv. The system will only show the details about the duplicate accounts, it will not delete them. After that, you can click the “Proceed to view imported data” button to go to the view page.

Names with multiple e-mail address were found.

Name	e-mail	Region	External ID
EII LN	elioabc@gmail.com	5	87654321
EII LN	fakeemail1@gmail.com	5	15397453
VLT SAM	fakeemail@gmail.com	9	8465321
VLT SAM	vjt4l9n314@gmail.com	9	798645321

**PROCEED TO VIEW IMPORTED DATA**   **EXPORT TO CSV**

**SUBMIT**



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16. This is the view page. In here you can see the combined data from two csv. At the top part of the page, you can see the fields responsible for filters. It is grouped into three categories: Search, Completers, and Removed. You can apply multiple filters from those categories. After selecting the appropriate filters, click the “Submit” button. The corresponding data will be displayed at the table below. To clear the applied filters, you can click the “Clear Filters” button. You can also export the displayed data to CSV by clicking the “Export to CSV” button.

Below the filters, you can find the dropdown for sort. You can sort in ascending or descending order based on Name, Region, Enroll Time, Last Specialization Time, or Completion Time columns. One sort value can be applied at a time. User do not have to click the “Submit” button to apply sort. It is automatically applied once the user selects any of the options available in the dropdown. By default, all data are sorted in ascending order based on name. Submitting new filters resets the sort order and goes back to the default sort order.

At the bottom part of the page there are some indicators displayed like the number of records found, the current page displayed, and the total number of pages available. You can also find the page number buttons at the bottom part of the page. Lastly, once you are done and wants to exit the program, you can click the “Exit” button found at the top right part of the page.

S View Data X +  
localhost/GCC/view.php

Search Completers Removed

Specialization: -- select one -- Region: -- select one -- Number of Completed Courses # per specialization course completed Yes No Completion Date: -- Year -- -- Month --

Name ↴ ↵

Name	e-mail	Region	Specialization	Enroll Time	Last Specialization Time	Time Elapsed	Number of Completed Courses	Number of Courses	Completed	Removed	Completion Time	Certifica
Abigail Zavala	ethazurick92@gmail.com	1	Google Data Analytics	Apr/07/2020 11:04 PM	May/07/2020 11:05 PM	1 Month/s and 0 Day/s	1	8	No	No		
Adelyn Matthews	adityagahm96@gmail.com	NCR	Google IT Support	May/13/2021 11:05 PM	Jun/13/2021 11:06 PM	1 Month/s and 0 Day/s	1	8	No	No		
ADM LN	adam2228@gmail.com	4A	Google Data Analytics	Feb/03/2023 09:02 PM	Apr/01/2023 08:04 PM	1 Month/s and 28 Day/s	8	8	Yes	No	Dec/23/2024 08:12 PM	<a href="https://www.c">https://www.c</a>
AGN LN	agnescl@gmail.com	1	Google UX Design	Feb/04/2023 12:02 PM	Jul/12/2023 12:07 AM	5 Month/s and 7 Day/s	0	7	No	No		
AJN LN	aj82@gmail.com	5	Google IT Support	May/13/2022 10:05 PM	Sep/02/2022 08:09 AM	3 Month/s and 19 Day/s	0	5	No	Yes		
Alejandro	bobbymitchell05@gmail.com	3	Google IT	Jan/20/2023	Jun/06/2023	4	3	5	No	No		



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View Data + ▼

localhost/GCC/view.php

Alejandro Woods	bobbymitchell05@gmail.com	3	Google IT Support	Jan/20/2023 06:01 AM	Jun/06/2023 09:06 AM	4 Month/s and 17 Day/s	3	5	No	No
Alyvia Coleman	faithparker17@gmail.com	5	Google UX Design	Jul/27/2023 06:07 PM	Aug/27/2023 06:08 PM	1 Month/s and 0 Day/s	3	7	No	No
Amari Petty	williamevans46@gmail.com	CAR	Google Project Management	Jan/01/2022 10:01 PM	Feb/01/2022 10:02 PM	1 Month/s and 0 Day/s	3	6	No	No
Caden Fitzgerald	raymondcabello49@gmail.com	7	Google IT Support	Sep/27/2023 06:09 PM	Oct/27/2023 06:10 PM	1 Month/s and 0 Day/s	3	5	No	No
Cadence Valencia	garyrobinson30@gmail.com	1	Google Project Management	Jan/15/2022 10:01 PM	Jun/16/2022 03:06 PM	5 Month/s and 0 Day/s	1	6	No	No
Camille Dunlap	amanihadder15@gmail.com	8	Google UX Design	Oct/27/2023 06:10 PM	Nov/27/2023 05:11 PM	1 Month/s and 0 Day/s	2	7	No	No
Colin Valentine	paitynturner47@gmail.com	5	Google Data Analytics	Feb/27/2023 05:02 PM	Mar/27/2023 06:03 PM	1 Month/s and 0 Day/s	6	8	Yes	No
Collin Harding	christophercampbell88@gmail.com	BARMM	Google UX Design	May/20/2021 03:05 PM	Jun/20/2021 03:06 PM	1 Month/s and 0 Day/s	5	5	No	Yes
CRY LN	crystalj@gmail.com	5	Google IT Support	Feb/07/2022 12:02 AM	Jan/04/2023 04:01 AM	10 Month/s and 28 Day/s	1	5	No	No

View Data + ▼

localhost/GCC/view.php

CRY LN	crystalj@gmail.com	5	Google IT Support	Feb/07/2022 12:02 AM	Jan/04/2023 04:01 AM	10 Month/s and 28 Day/s	1	5	No	No
DLP LN	delaamjk@gmail.com	5	Google Project Management	May/28/2022 01:05 AM	Dec/13/2022 02:12 AM	6 Month/s and 15 Day/s	0	6	No	No
DLR LN	dramxyz@gmail.com	5	Google Data Analytics	Oct/23/2022 08:10 PM	Dec/26/2022 01:12 AM	2 Month/s and 2 Day/s	0	8	No	Yes
Donte Pearson	bryanynguez54@gmail.com	5	Google Project Management	Nov/11/2021 03:11 PM	Dec/11/2021 03:12 PM	1 Month/s and 0 Day/s	4	8	No	No
EII LN	fakeemail1@gmail.com	5	Google Data Analytics	Feb/21/2022 10:02 AM	Jul/23/2022 08:07 AM	5 Month/s and 1 Day/s	0	8	No	Yes
EII LN	elioabc@gmail.com	5	Google Project Management	Jul/03/2022 06:07 PM	Oct/12/2022 05:10 AM	3 Month/s and 8 Day/s	0	6	No	No
Elisabeth Bean	adamharris82@gmail.com	8	Google UX Design	Mar/27/2023 06:03 PM	Apr/27/2023 06:04 PM	1 Month/s and 0 Day/s	4	8	No	Yes

Records found: 49

1 2 3

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REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF INFORMATION AND  
COMMUNICATIONS TECHNOLOGY

View Data x +

localhost/GCC/view.php?specialization=Google+IT+Support&isComplete=Yes&sort1=region&sort2=...

Search +

Specialization: Google IT Support  
Region: -- select one --

Completers

Number of Completed Courses: #   
per specialization course completed:  Yes  No

Completion Date: -- Year --  -- Month --

Removed

Removed Licenses:  Yes  No

Submit Clear Filters Export CSV Exit

Region ↑ ↓

Name	e-mail	Region	Specialization	Enroll Time	Last Specialization Time	Time Elapsed	Number of Completed Courses	Number of Courses	Completed	Removed	Completion Time	Certificate URL
MRA SAM	maria24@gmail.com	2	Google IT Support	Jul/23/2022 07:07 PM	Aug/04/2022 03:08 PM	0 Month/s and 11 Day/s	6	5	Yes	No	Dec/30/2023 04:12 AM	<a href="https://www.google.com/">https://www.google.com/</a>
RNX LN	2001xneil@gmail.com	4A	Google IT Support	Nov/20/2022 04:11 PM	Dec/29/2022 08:12 AM	1 Month/s and 8 Day/s	6	5	Yes	No	Jan/08/2023 03:01 AM	<a href="https://www.google.com/">https://www.google.com/</a>
Ruth Hammond	leoneking50@gmail.com	6	Google IT Support	Mar/27/2023 06:03 PM	Apr/27/2023 06:04 PM	1 Month/s and 0 Day/s	6	5	Yes	No	Dec/30/2024 04:12 AM	<a href="https://www.google.com/">https://www.google.com/</a>

Records found: 3

1

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17. By clicking the “Exit” button, the system clears the combined data and redirects you to the landing page. You can upload another set of csv or close the tab.

Sample File Upload x +

localhost/GCC/index.php

DICT  

Coursera CSV

Choose File  No file chosen

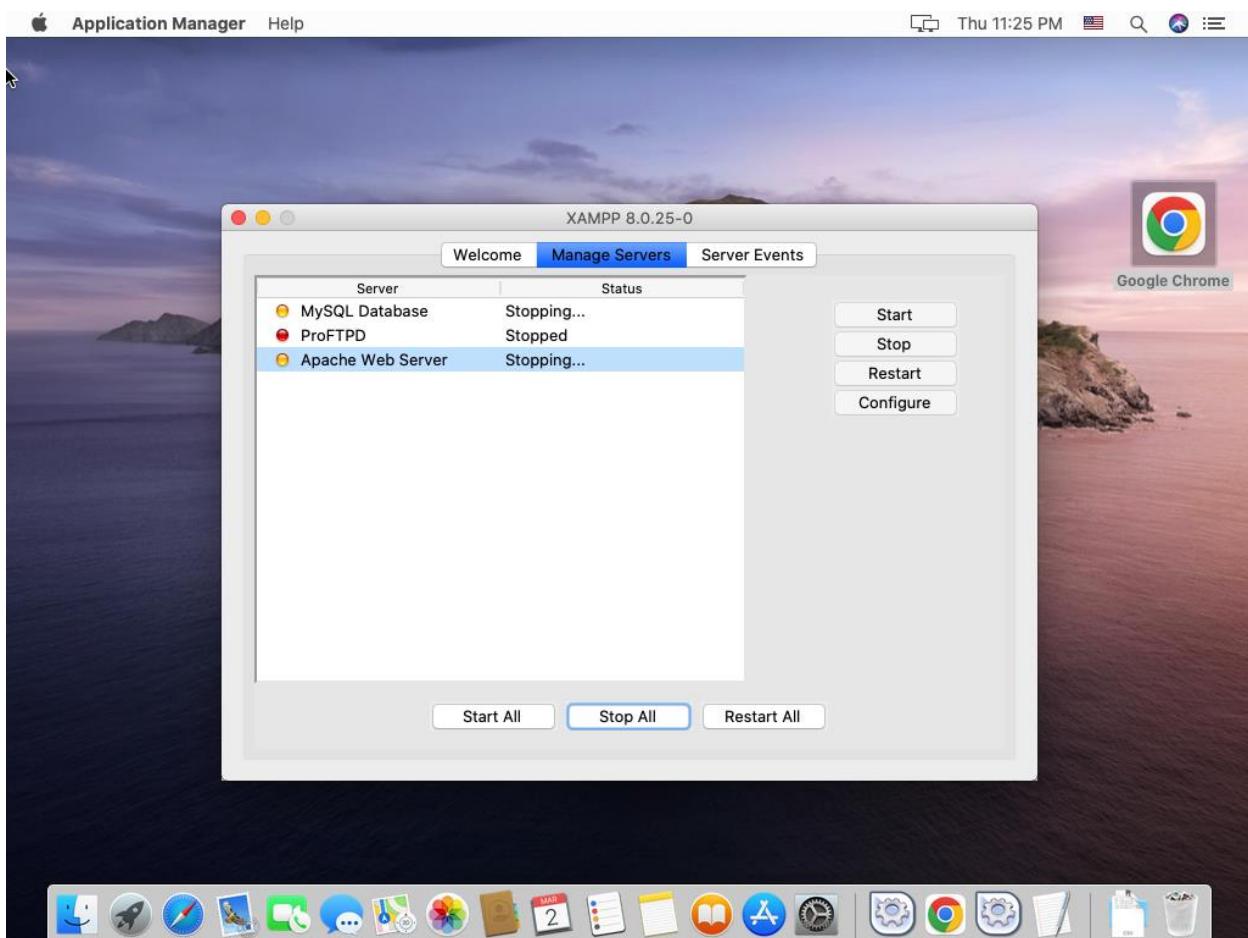
GCC Masterlist CSV

Choose File  No file chosen

SUBMIT



18. If you are done using the system you can close the GCC tab in Google Chrome and go back to the XAMPP application. In XAMPP, go to Manage Servers tab and click “Stop All” button. This will stop the MySQL Database and Apache Web Server. After that, you can now quit the XAMPP application.



19. There are instances in XAMPP Mac OS where the Apache Web Server continues to run even if you already clicked the “Stop” or “Stop All” button. In this case, just quit the XAMPP application, it will automatically stop once you shut down your device.

