

Group 3 – Biology and Healthcare Domain

Instruction Manual

Pharmacy Finder Web Application
Compiling the Code

Contents

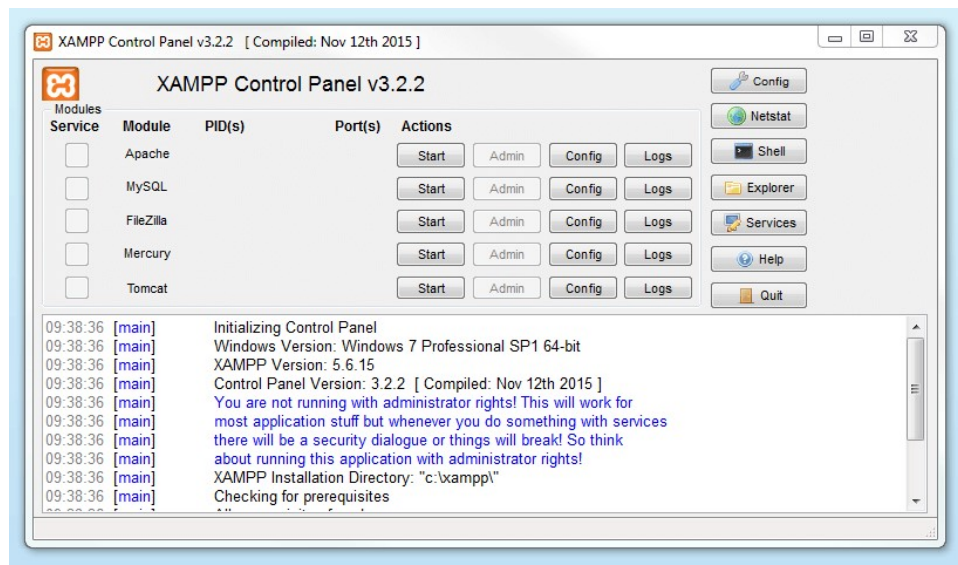
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1 Requirements

1. Node.js must be installed on your device.
 - a. If not installed, visit <https://nodejs.org/en/>.
 - b. Download the LTS build that mentions that it is “Recommended for most users”.
 - c. Double click the file downloaded in b. and follow the installation prompts.
2. XAMPP must be installed on your device.
 - a. If not installed, visit <https://www.apachefriends.org/download.html> and download the version required for your operating system.



















(Note: Since active antiviruses may negatively affect the installation process, it is recommended to temporarily pause the antivirus until all of the following steps have been completed)

 - b. Double click on the file downloaded to run it.
 - c. Follow the installation prompts.
 - d. Following the installation, you should be able to open the XAMPP Control Panel (as shown below)



3. Unzip the pharmacy-finder folder and place it in a directory of your choice.
(The source code can also be obtained from https://github.com/CS3022-SE-G3/pharmacy_finder.git)

The folder should contain these folders.

 .git	22-Jan-21 07:24 PM	File folder	
 .vscode	22-Jan-21 02:29 PM	File folder	
 config	22-Jan-21 02:29 PM	File folder	
 controllers	22-Jan-21 02:29 PM	File folder	
 database	22-Jan-21 04:51 PM	File folder	
 middleware	22-Jan-21 02:29 PM	File folder	
 models	22-Jan-21 04:51 PM	File folder	
 node_modules	17-Jan-21 09:11 AM	File folder	
 public	22-Jan-21 02:29 PM	File folder	
 routes	22-Jan-21 02:29 PM	File folder	
 startup	22-Jan-21 02:29 PM	File folder	
 views	22-Jan-21 02:29 PM	File folder	
 .gitignore	13-Jan-21 01:31 AM	Text Document	2 KB
 index.js	22-Jan-21 02:29 PM	JavaScript File	2 KB
 package.json	22-Jan-21 02:29 PM	JSON File	2 KB
 package-lock.json	22-Jan-21 02:29 PM	JSON File	247 KB
 README.md	22-Jan-21 02:29 PM	MD File	4 KB
 SE - project.session.sql	22-Jan-21 02:29 PM	SQL Text File	1 KB

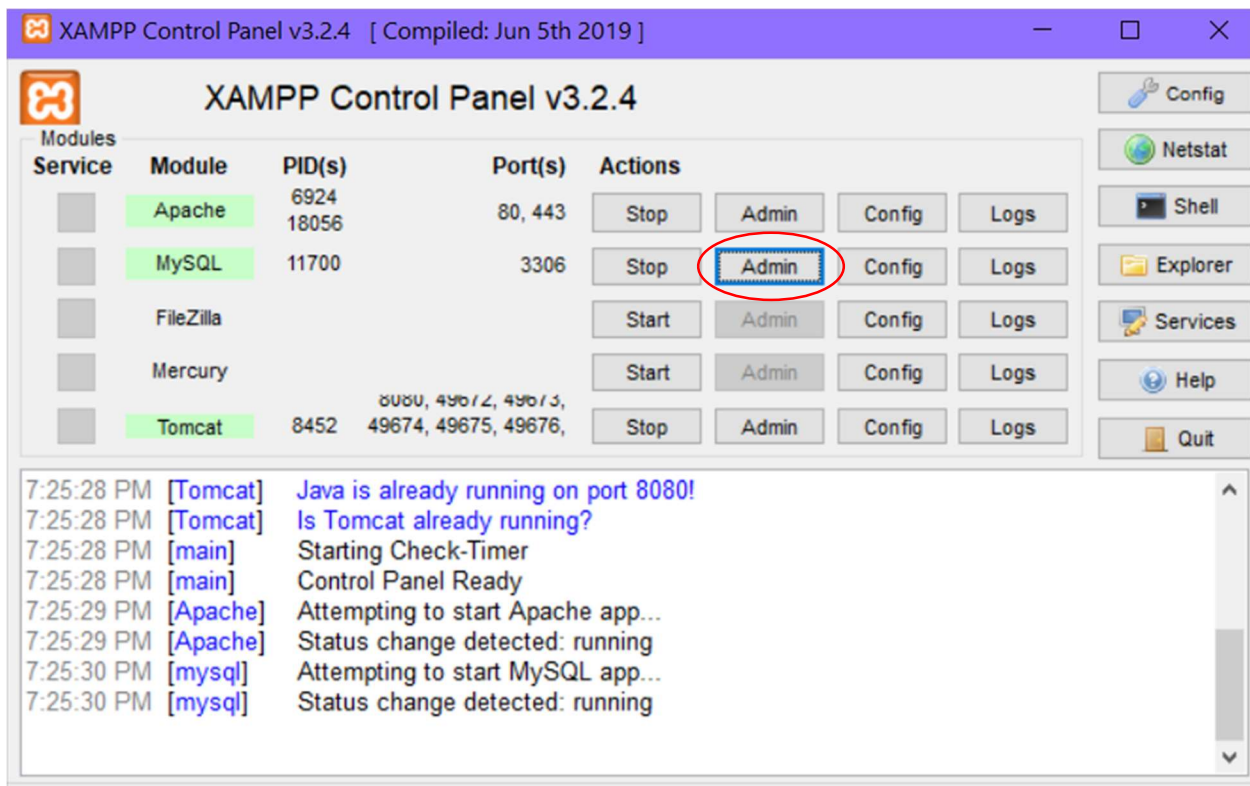
4. The user must maintain an active internet connection while using the web application, even while testing.

2 Database Setup

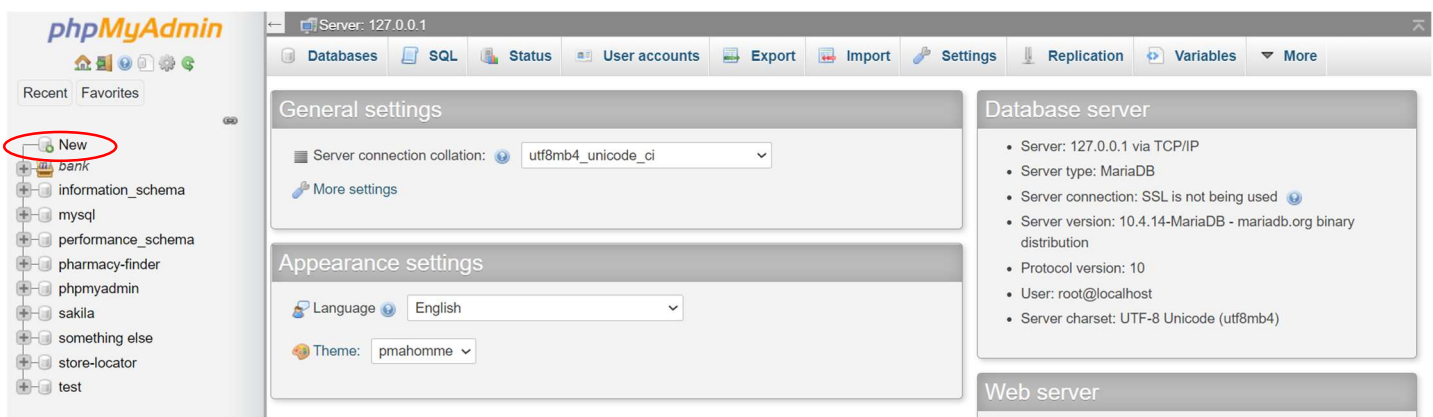
Users have two options to set up the database.

2.1 Setting Up the Database Locally

1. Open the XAMPP control panel and start both the Apache and MySQL servers.
2. Click the Admin button in the MySQL row to open PhpMyAdmin, which is the software you will use to create your database.



3. Click the “New” button on the left side of the PhpMyAdmin user interface and create a new database with the name you prefer.



4. Select that database, open the “Import” tab and click “Choose File”.

Importing into the current server

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: Choose File No file chosen (Max: 40MiB)

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

Character set of the file: utf-8

Partial import:

☒ Allow the interruption of an import in case the script detects it is close to the PHP timeout limit. (This might be a good way to import large files, however it can break transactions.)

Skip this number of queries (for SQL) starting from the first one: 0

Other options:

☒ Enable foreign key checks

Format:

SQL

Format-specific options:

SQL compatibility mode: NONE

5. Navigate to the location in which you stored the extracted pharmacy-finder folder.
6. In the pharmacy-finder folder, open the database folder and select the “schema.sql” file.

	connection.js	23-Jan-21 03:35 PM	JavaScript File	1 KB
	data.sql	23-Jan-21 05:28 PM	SQL Text File	0 KB
	schema.sql	23-Jan-21 03:35 PM	SQL Text File	6 KB

7. Click “Go”. This will import the necessary tables for the web application.

2.2 Setting Up the Database Online

1. Select a hosting website for MySQL databases.
2. Create an account and repeat steps 3. to 6. in the above section (Section 2.1) to create the database structure.

2.3 Importing Dummy Data

If you would like to import the included dummy data for testing purposes, repeat the steps 3. to 6. for the data.sql file in the database folder.



(A default system administrator has been included in the database. Please refer to the system admin user manual for more information.)

3 Installing the Application

1. Obtain the username and password credentials for the database you set up.

(Note: If you set up a local database, the default user is usually given as “root” and “”(empty string) as username and password respectively.)

2. Open the config folder in the extracted Pharmacy Finder contents. You should see the following contents.

 config.env	22-Jan-21 02:29 PM	ENV File	1 KB
 default.json	23-Jan-21 03:35 PM	JSON File	1 KB

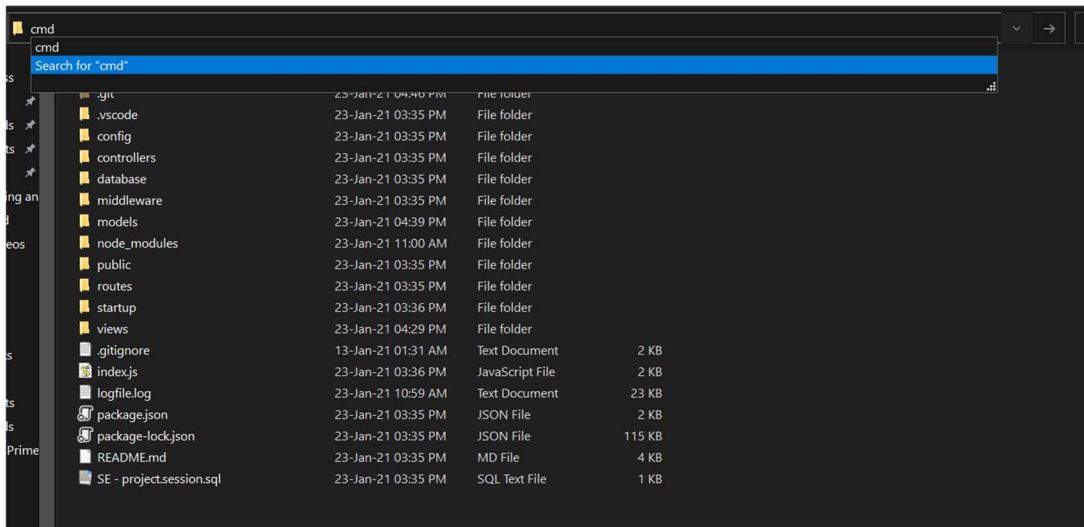
3. Open the default.json file with notepad. You should see the following.

```
*default.json - Notepad
File Edit Format View Help
{
  "host": "remotemysql.com",
  "user": "JE01qJLGve"
  "password": "EiHMuOYHks"
  "port": 3306,
  "database": "JE01qJLGve"
}
```

4. Replace the username, password, and name of your database within the double quotations and include the host you used for the database. (For locally hosted databases, the host would be localhost.) Save the file.

(The values already included are for the default remote database created during development. You may carry on with that same database, or replace it with the values you need)

5. Open the command terminal in the pharmacy-finder folder. (You can do this by typing cmd in the address bar of the folder as shown below).

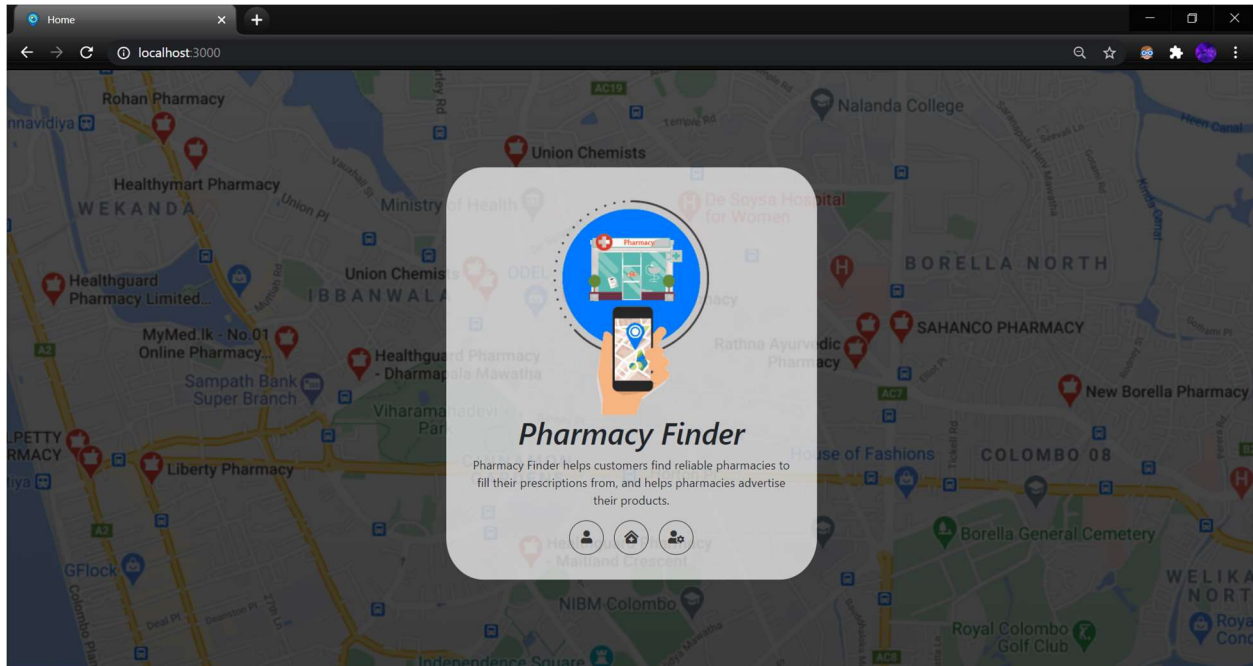


6. Type in the following commands in the order given.
 - a. `npm install`
(Wait until all the required dependencies have been fully installed)
 - b. `npm start`
7. After the second command has executed, wait for a message that says “Listening on port _” where _ will be a number(usually 3000).

```
> node index.js  
  
Listening on port 3000...
```

8. Navigate to your web browser and type in localhost:_ where _ will be the same number that was displayed in the command terminal in 7. (So for the above image, type in localhost:3000)

9. The home page of the application will be displayed.



10. For instructions on how to use the application, please refer to your relevant user manual.