**PharmGenius Development Install Guide**

Follow the steps in this document to get a working development build of the PharmGenius website on your local machine.

Note: this guide is primarily based on a Windows installation, but will attempt to be generic enough that it can be used on any hardware. Please forgive any hardware based discrepancies.

**Basic Setup**

1. Clone the PharmGenius Git Repository to a directory of your choosing on your local machine. You may need to be given access to the repo – contact Dr. Patel at [rmp40@pitt.edu](mailto:rmp40@pitt.edu) for access.
2. Ensure you have an operational WAMP/MAMP/LAMP/XAMPP installation.
   1. The AMP part of the acronym stands for Apache MySQL PHP – these are the technologies that the site is currently built upon.
   2. Visit one of the following websites to download the installation right for your machine.
      1. WAMP (Windows) - <http://www.wampserver.com/en/>
      2. MAMP (Mac) - <https://www.mamp.info/en/>
      3. LAMP (Linux) – install guide for Ubuntu can be found at <http://howtoubuntu.org/how-to-install-lamp-on-ubuntu>
      4. XAMPP (supports multiple hardwares) - <https://www.apachefriends.org/index.html>
   3. Refer to documentation for installation on the respective sites for installation guides, settings, troubleshooting, etc.
   4. If you are new to PHP/MySQL, I would suggest watching the lynda.com (included with Pitt tuition and accessible via my.pitt.edu) video entitled “PHP with MySQL Essential Training” by Kevin Skoglund. This video includes WAMP/MAMP installation guides for Windows/Mac and the code concepts demonstrated were relied upon to build the site.
3. Once the WAMP/MAMP/LAMP/XAMPP is operational and running, ensure that the Apache and MySQL services are running.

**Building the Database**

1. With Apache and MySQL running, navigate to phpmyadmin on your local host. The path will likely be http://localhost/phpmyadmin/ but may be different depending on your installation configuration.
2. Ensure you are logged into phpmyadmin with the root user.
3. Click the “Import” button, which should be along the top navigation bar.
4. Click the “Choose File” button.
5. Use the file chooser window to navigate to your cloned copy of the repo and choose the appropriate database creation .sql file.
   1. There are two primary versions of the database creation script.
      1. pharm\_genius schema – TEST.sql contains the database structure, as well as a good deal of data that can be used to test the application.
      2. pharm\_genius schema – PROD.sql contains the database structure, but the only data present is account information for Dr. Pate.
   2. Both scripts contain the following line at the end of the file a line at the end of the file that will create a database user named pharm\_genius that will be able to interact with the database.
   3. If the application is live (currently deployed and actively being used) and a copy of data from the live server would be helpful, Dr. Patel may be able to facilitate that – see section below entitled “Exporting the Database”.
6. Once you have chosen the appropriate database script. Click OK.
7. Click the Go button at the bottom of the Import page.
8. Once the import is complete, you will have a local copy of the pharm\_genius schema.

**Installing the Website**

1. Navigate to your cloned copy of the Git repository.
2. Locate the folders named “public” and “includes”.
3. Select both folders and copy them (ctrl-c or right click – copy on Windows).
4. Navigate to home directory of your WAMP/MAMP/LAMP/XAMPP – by home directory I mean the directory that houses files that ware accessible via typing localhost/filename into a web browser. This directory will be different depending on your setup. Using XAMPP, for example, the home directory might be located at C:\xampp\htdocs
5. Paste the copied folders into this directory.
6. Verify the installation worked by navigating to localhost/public/index.php. This should direct you to the landing page for the PharmGenius application.

**Setting Up an Account**

1. Upon your first visit to the site, you only have two options – click the down arrows to take you to the about section, or click the Sign In link along the top navigation bar to log into the site. Click the Sign In link.
2. Click on Create Account.
3. Enter the necessary data on the form.
4. Click the Submit button.
5. Assuming there are no issues, you should receive a pop up stating that the account was created and be redirected to the log in page.
6. Use the credentials you just created to log in to the site.

**Making Yourself an Administrator**

1. To fully test the application, you will need to be able to log in as an administrator.
2. Navigate to localhost/phpmyadmin
3. Open the pharm\_genius schema on the left side of the screen.
4. Open the Tables tree.
5. Click the table named “user”.
6. There should be a row identified by the username that you used to create your account.
7. Double-click the value in the admin\_flag column for your account.
8. Choose the value Y and click out.
9. Your account will now be flagged as an administrator, which grants access to more pages within the site.

**Exporting the Database**

1. Navigate to localhost/phpmyadmin
2. Click the “Databases” button along the top navigation section.
3. Click the pharm\_genius database.
4. Click the “Export” button.
5. Click the radio button labeled “Custom - display all possible options”.
6. The tables section that appears will allow you to select if you want the table structure only, the data only, or both. You may also customize the export to exclude certain tables altogether if desired. This guide is for a basic export that will include all structure and data. Ensure that all checkboxes are checked.
7. In the “Output” section, enter the desired name in the File Name Template text box.
8. Uncheck the “use this for future exports” checkbox.
9. Check the “Add CREATE DATABASE / USE statement” checkbox.
10. Check the “Add DROP TABLE / VIEW / PROCEDURE / FUNCTION / EVENT / TRIGGER statement” checkbox.
11. Click Go.
12. The script should be saved to wherever your web browser is configured to save downloaded files.