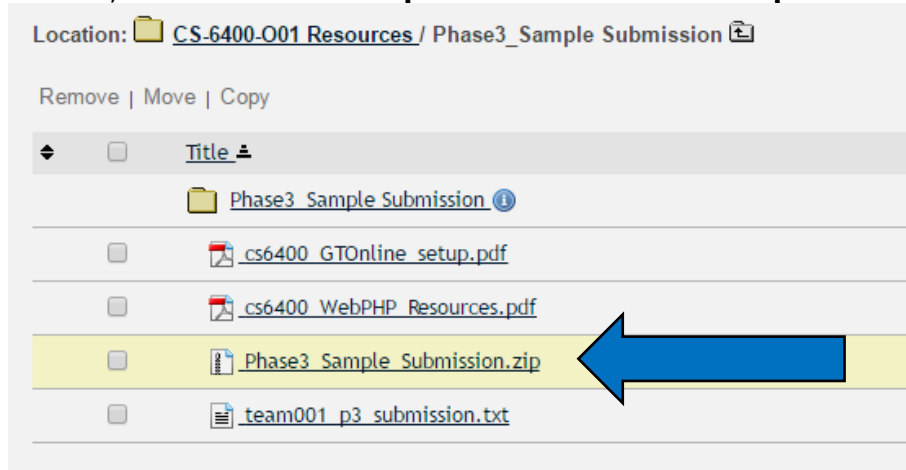Do NOT use the source code downloaded from Udacity, it is based on the older version of PHP 5.6 so you would need to refactor the connect() to work with 7.1: (fixed in the sample submission on T-square)

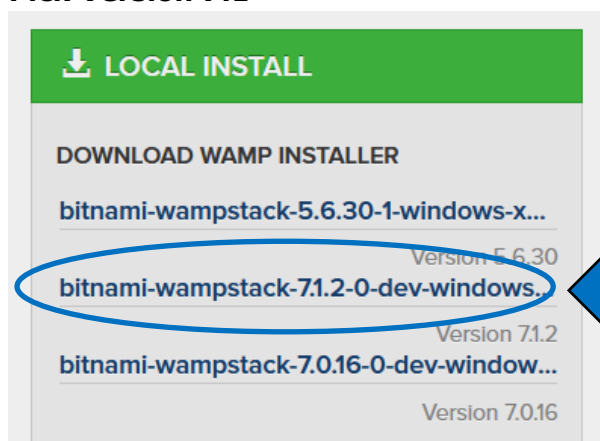$connect = mysql_connect("localhost:3306", "gatechUser", "gatech123");   //v5.6
$connect = mysql**i**_connect(DB_HOST, DB_USER, DB_PASS, DB_SCHEMA, DB_PORT); //v7.1

Instead, **download the sample submission from T-square**: under Resources

Location: 📁 <u>CS-6400-O01 Resources</u> / Phase3_Sample Submission 🔼

Remove | Move | Copy

⇕	☐	Title ⬍
		📁 <u>Phase3_Sample Submission</u> ℹ
	☐	📄 <u>cs6400_GTOnline_setup.pdf</u>
	☐	📄 <u>cs6400_WebPHP_Resources.pdf</u>
	☐	📄 <u>Phase3_Sample_Submission.zip</u>
	☐	📄 <u>team001_p3_submission.txt</u>

Download Bitnami WAMP/MAMP/LAMP stack installed: <u>https://bitnami.com/stacks/infrastructure</u>
Pick Version 7.1

⬇ **LOCAL INSTALL**

DOWNLOAD WAMP INSTALLER

bitnami-wampstack-5.6.30-1-windows-x...
Version 5.6.30

bitnami-wampstack-7.1.2-0-dev-windows..
Version 7.1.2

bitnami-wampstack-7.0.16-0-dev-window...
Version 7.0.16

Bitnami WAMP Stack 7.1.2-0

Welcome | Manage Servers | Server Events

Welcome to Bitnami WAMP Stack 7.1.2
Rev. 0

Follow Bitnami

Go to Application
Open phpMyAdmin
Open Application Folder
Visit Bitnami
Get Support

Until you import your database AND create the gatechUser, you will the following **error messages**:
- Access denied for user 'gatechUser'@localhost' (using password: YES)
- Failed to connect to MySQL: Unknown database 'cs6400_sp17_team001'

phpinfo() | phpMyAdmin | +

localhost:8080/Phase3_Sample_Submission/login.php | Search
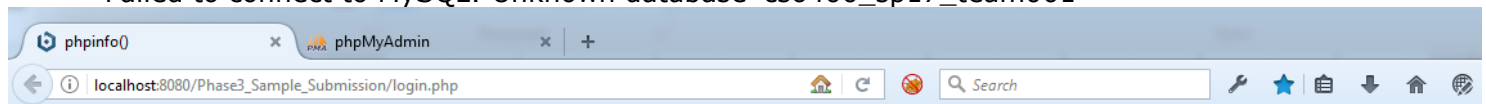
Failed to connect to MySQL: Access denied for user 'gatechUser'@'localhost' (using password: YES)
Running on: localhost:3306
Username: gatechUser
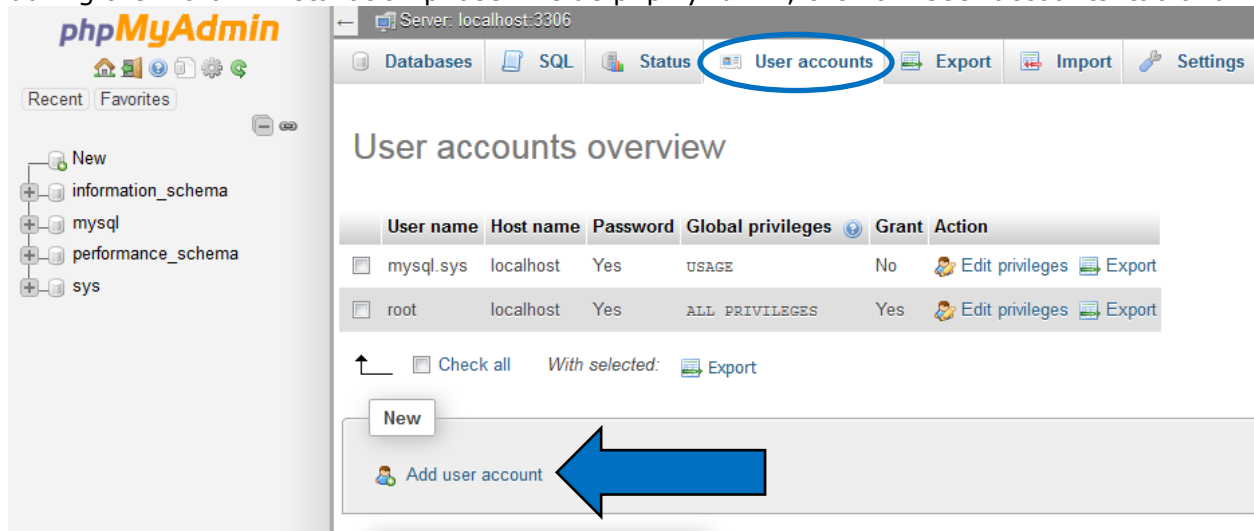Password: gatech123
Database: cs6400_sp17_team001

PHP Version 7.1.2

phpinfo() | localhost:8080 / localhost | p | +

localhost:8080/Phase3_Sample_Submission/login.php

Failed to connect to MySQL: Unknown database 'cs6400_sp17_team001'
Running on: localhost:3306
Username: gatechUser
Password: gatech123
Database: cs6400_sp17_team001

PHP Version 7.1.2

| System		ack 1) AMD64
Build Date		
Compiler		
Architecture		
Configure Command		cscript /nologo configure.js "--enable-snapshot-build" "--enable-debug-pack" "--with-pdo-oci=c:\php-sdk\oracle \x64\instantclient_12_1\sdk,shared" "--with-oci8-12c=c:\php-sdk\oracle\x64\instantclient_12_1\sdk,shared" "--enable-object-out-dir=../obj/" "--enable-com-dotnet=shared" "--with-mcrypt=static" "--without-analyzer" "--with-pgo"

php

To start, **login** as '**root'** to **phpMyAdmin**: http://127.0.0.1:80/phpmyadmin/ using the password you entered during the Bitnami installation phase. Inside phpMyAdmin, click on 'User accounts' tab and 'Add user account'

Inside phpMyAdmin, type in the **username**: "*gatechUser*", '**localhost'**, and **password** "*gatech123"* twice, select the checkbox **Data** only privileges, now click 'Go'
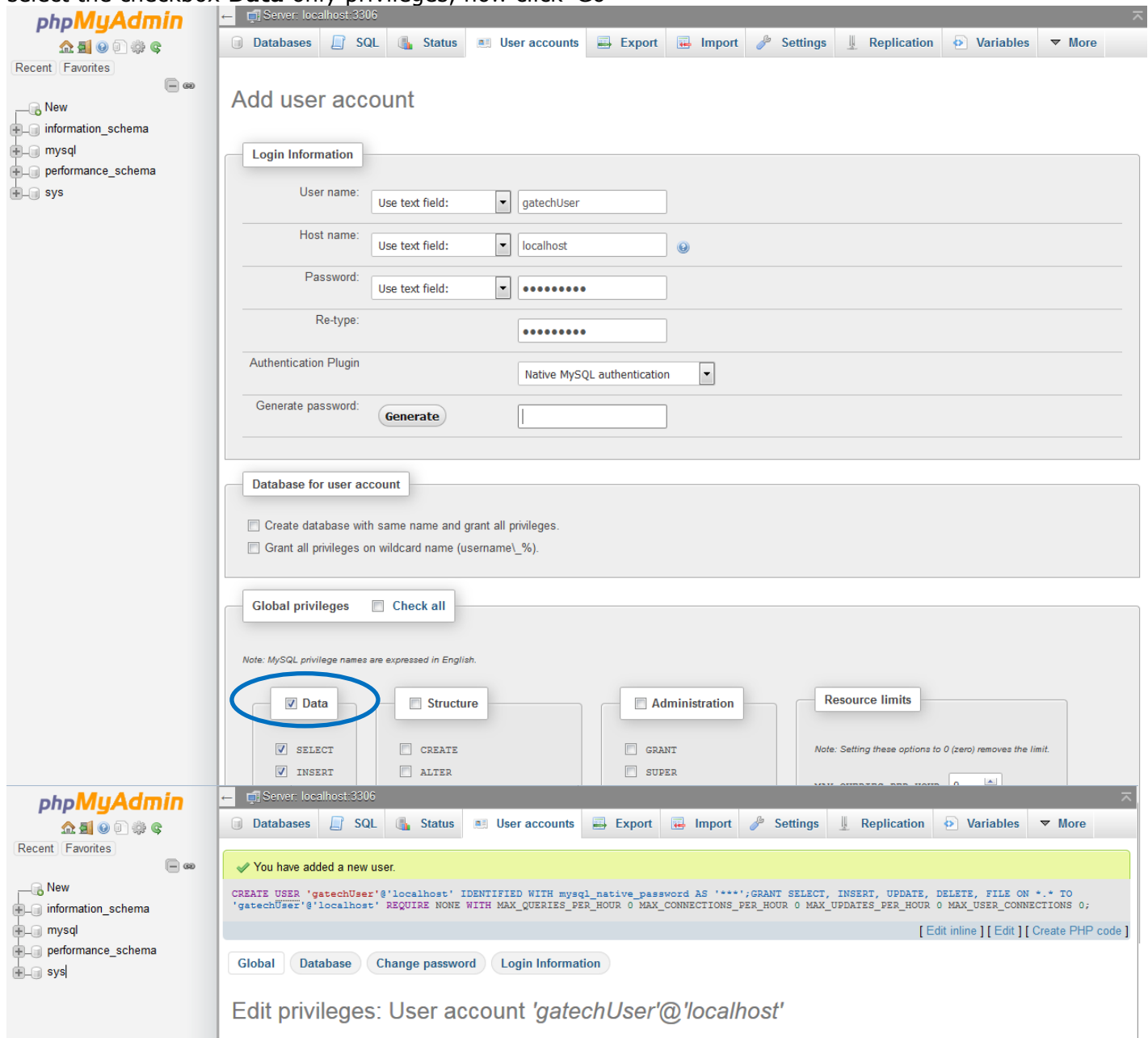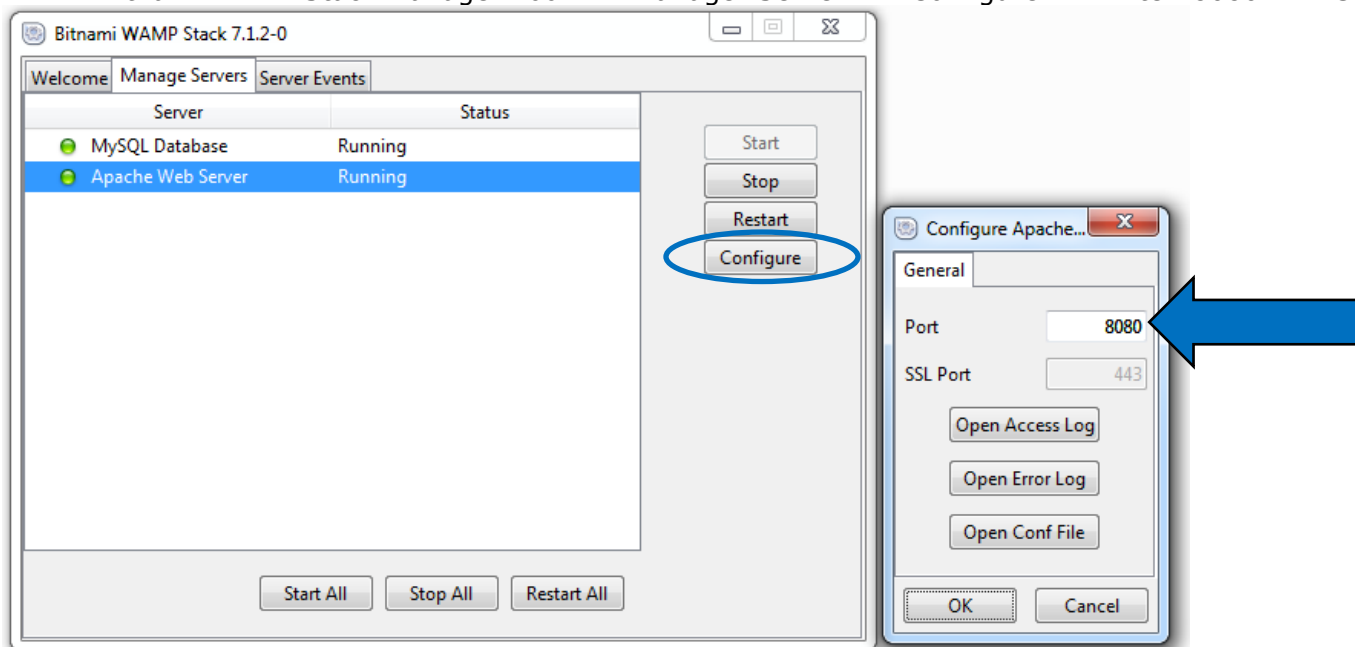
Confirm the Setup by refreshing the User accounts tab:
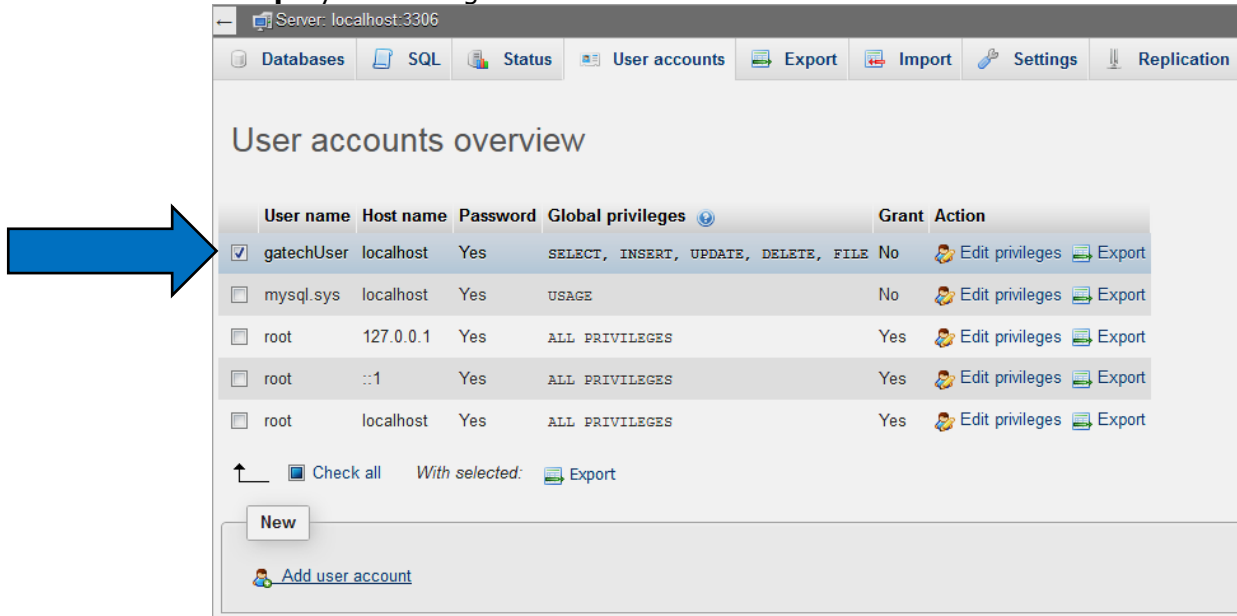
Optional: To avoid port conflicts with other services you may have installed, update your Apache Web Server **Port** to **8080** (or anything you want) by clicking:

Bitnami WAMP Stack Manager Tool --> Manager Server --> Configure --> Enter '8080' --> **OK**

Optional: Case sensitive table names: *portability warning (Linux vs. Windows)*
https://dev.mysql.com/doc/refman/5.7/en/identifier-case-sensitivity.html
\# The MySQL server add the following line to **C:\Bitnami\wampstack-7.1.2-0\mysql\my.ini**
[mysqld]
lower_case_table_names = 2
Restart MySQL server for changes to take effect.

Unzip the Phase3_Sample_Submission.zip folder into:
C:\Bitnami\wampstack-7.1.0-0\apache2**htdocs**\Phase3_Sample_Submission
C:\Bitnami\wampstack-7.1.0-0\apache2\htdocs\Phase3_Sample_Submission\lib**common**.php contains:

```
define('DB_HOST', "localhost");
define('DB_PORT', "3306");
define('DB_USER', "gatechUser");
define('DB_PASS', "gatech123");
define('DB_SCHEMA', "cs6400_sp17_team001");
```

Import the 'team001_p3_complete_v7.sql' database into phpMyAdmin (or schema then seed data):

Server: localhost:3306

phpMyAdmin

Recent Favorites

- New
- information_schema
- mysql
- performance_schema
- sys

Databases SQL Status User accounts Export Import Settings More

Importing into the current server

File to import:

File may be compressed (gzip, zip) or uncompressed.
A compressed file's name must end in **.[format].[compression]**. Example: **.sql.zip**

Browse your computer: Browse... team001_p3_complete_v7.sql (Max: 80MiB)
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

phpinfo()   localhost:8080 / localhost | ph   +

localhost:8080/Phase3_Sample_Submission/login.php

Failed to connect to MySQL: Unknown database 'cs6400_sp17_team001'
Running on: localhost:3306
Username: gatechUser
Password: gatech123
Database: cs6400_sp17_team001

PHP Version 7.1.2

Format-specific options:

SQL compatibility mode: NONE

☑ Do not use AUTO_INCREMENT for zero values

Go

Success!

Server: localhost:3306

phpMyAdmin

Recent Favorites

Databases SQL Status User accounts Export Import Settings More

✔ *Import has been successfully finished, 94 queries executed. (team001_p3_complete_v7.sql)*

- New
- cs6400_sp17_team001
- information_schema
- mysql
- performance_schema
- sys

Then **restart your Apache server using Bitnami WAMP Stack Tool**: (secondary http port 8080 is used)
Note: after making changes to source code locally, you will likely need to Restart the Bitnami Apache server to see the changes take effect in the browser. Chrome or Firefox are recommended browsers.
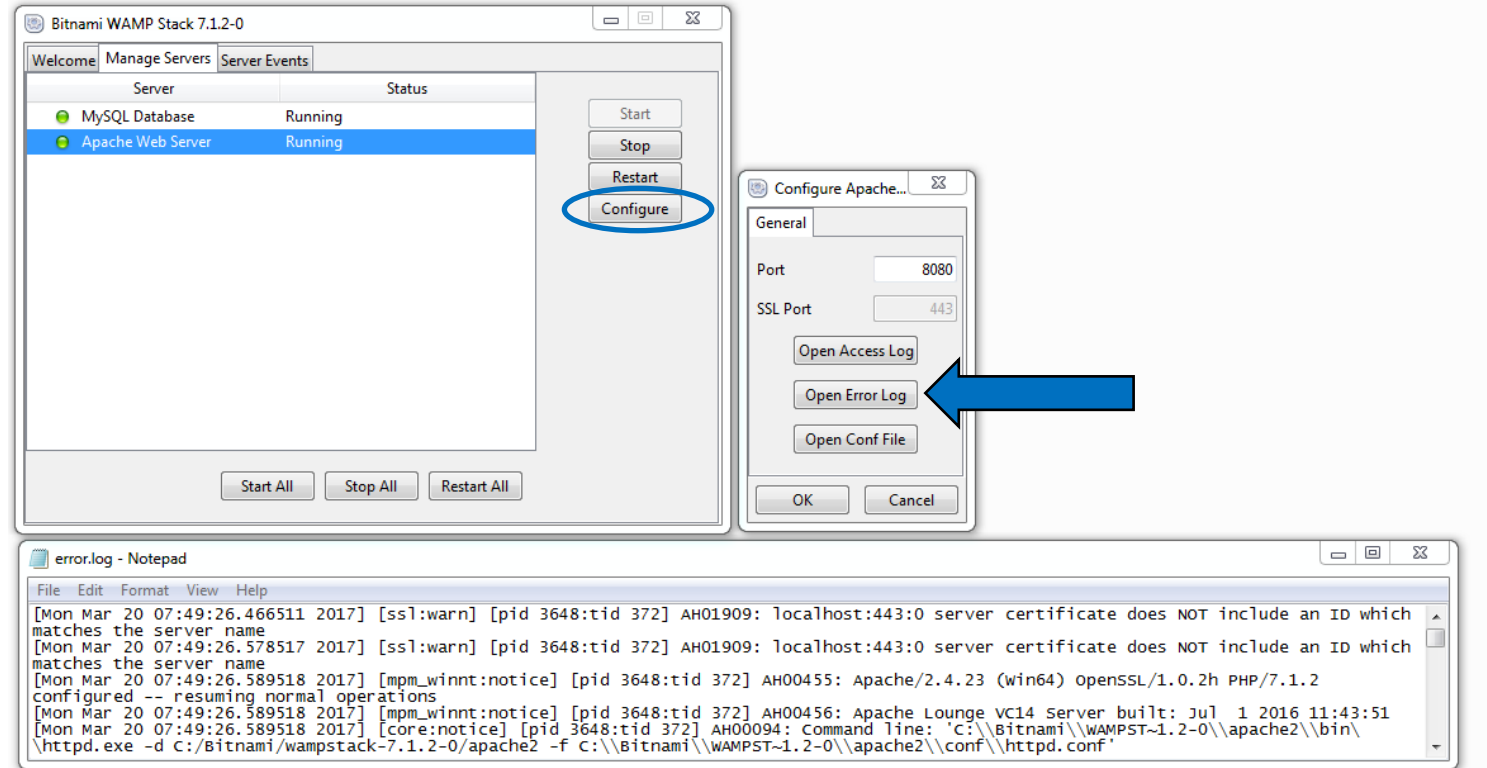
Now **launch the URL**: view the app in your browser
http://localhost:8080/Phase3_Sample_Submission/login.php

Lastly, just click the **login** button since the username and password are *automatically filled*:

The **GTOnline project** is meant as a learning tool, with verbose comments and limited implementation. One interesting feature of the refactored project is it will show you the queries being executed in the UI. The demo project also show **errors** in the PHP code to **both the UI/View** and the local **error.log**:

```
Error# 1054: Unknown column 'sex' in 'field list'
Query ERROR: Failed to get User profile...C:\Bitnami\wampstack-7.1.2-0\apache2\htdocs\Phase3_Sample_Submission
\view_profile.php line:23


Current filename: view_profile.php
SELECT firstname, lastname, sex, birthdate, currentcity, hometown FROM User INNER JOIN RegularUser ON
User.email=RegularUser.email WHERE User.email='michael@bluthco.com';

SELECT interest FROM UserInterest WHERE email='michael@bluthco.com';

SELECT schoolname, yeargraduated FROM Attend WHERE email='michael@bluthco.com' ORDER BY yeargraduated DESC;

SELECT employername, jobtitle FROM Employment WHERE email='michael@bluthco.com' ORDER BY employername DESC;
```

C:\Bitnami\wampstack-7.1.2-0\apache2\htdocs\Phase3_Sample_Submission**error.log**

Fix the error in **view_profile.php**: User.attribute: 'sex' -> 'gender'

After updating source code: **Restart** the **Apache server**: (step not needed if using PHPStrom)

Notice the UI now correctly shows the result set from the SELECT query: