

CS6400 Spring Team 030 Project Setup Instructions

1. Download the entire project files from github repository:
<https://github.gatech.edu/cs6400-2021-01-spring/cs6400-2021-01-Team030>

Clone with HTTPS ?

[Use SSH](#)

Use Git or checkout with SVN using the web URL.

`https://github.gatech.edu/cs6400-2021`

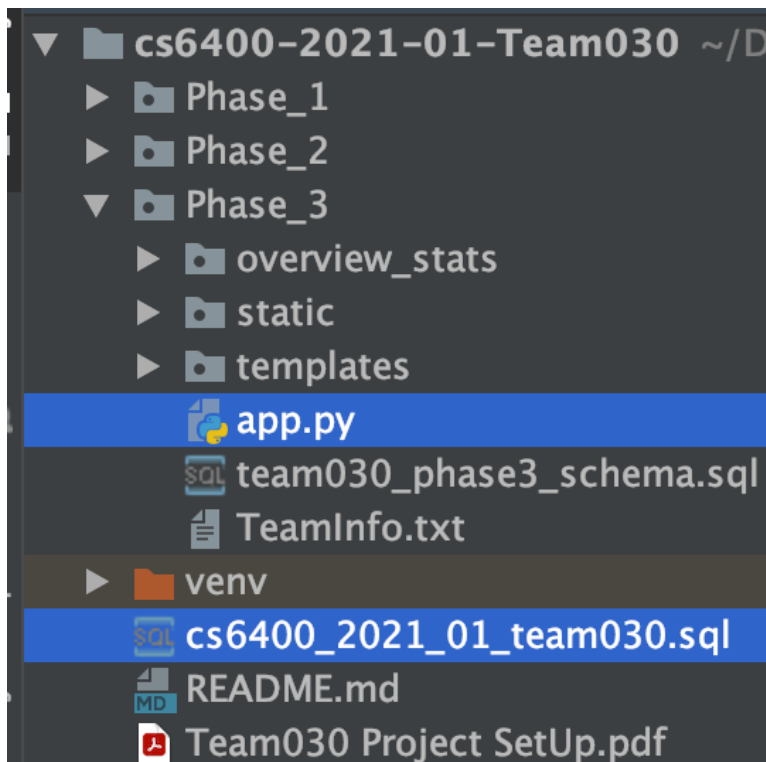


[Open in Desktop](#)

[Download ZIP](#)



2. Unzip the project folder and you will find the following files. The highlighted files will be used during the setup phase.



3. Download Bitnami WAMP/MAMP/LAMP stack installed for WIN/MAC/LINUX:
<https://bitnami.com/stacks/infrastructure>.

Follow the instructions to install phpMyAdmin and set up the password for “root”. Then click on “**open phpMyAdmin**”.



4. Now login as” root” to phpMyAdmin using the same password you entered during the bitnami installation phase, click “Go” to enter phpMyAdmin.

The image shows the phpMyAdmin login page. At the top, there is a logo of a sailboat and the text "phpMyAdmin" and "Welcome to phpMyAdmin". Below the logo, there is a "Language" section with a dropdown menu set to "English". Underneath, there is a "Log in" section with a question mark icon. It contains two input fields: "Username:" with the value "root" and "Password:" with a masked password ".....". At the bottom right of the login section, there is a "Go" button highlighted with a red rectangle.

5. Inside phpMyAdmin, click on 'User accounts' tab and 'Add user account'.

Server: localhost:3307

[Databases](#) [SQL](#) [Status](#) [User accounts](#) [Export](#) [Import](#) [Settings](#) [Binary log](#)

User accounts overview

	User name	Host name	Password	Global privileges
<input type="checkbox"/>	mysql.infoschema	localhost	Yes	SELECT
<input type="checkbox"/>	mysql.session	localhost	Yes	SHUTDOWN, SUPER
<input type="checkbox"/>	mysql.sys	localhost	Yes	USAGE
<input type="checkbox"/>	root	127.0.0.1	Yes	ALL PRIVILEGES
<input type="checkbox"/>	root	localhost	Yes	ALL PRIVILEGES

↑ ☐ Check all With selected: [Export](#)

New

[Add user account](#)

Remove selected user accounts

Revoke all active privileges from the users and delete them afterwards.

☐ Drop the databases that have the same names as the users.

6. Then type in the **username**: "gatechUser", **'localhost'**, and **password** "gatech030" twice, select the checkbox **Data** only privileges, now click 'Go' .

Add user account

Login Information

User name:

Use text field

gatechUser

Host name:

Use text field

localhost

Password:

Use text field

.....

Strength: Weak

Re-type:

.....

Authentication plugin

Native MySQL authentication

Generate password:

Generate

Database for user account

☐ Create database with same name and grant all privileges.

☐ Grant all privileges on wildcard name (username_%).

Global privileges

☐ Check all

Note: MySQL privilege names are expressed in English.

☒ Data

☐ Structure

☐ Administration

☒ SELECT

☐ CREATE

☐ GRANT

☒ INSERT

☐ ALTER

☐ SUPER

☒ UPDATE

☐ INDEX

☐ PROCESS

☒ DELETE

☐ DROP

☐ RELOAD

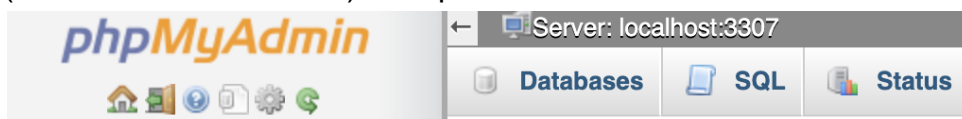
☒ FILE

☐ CREATE TEMPORARY TABLES

☐ SHUTDOWN

Console

7. After Setting up the phpMyAdmin, import data. Under mainpage (**Server:localhost:3307**). The port number of the localhost is shown as 3307.



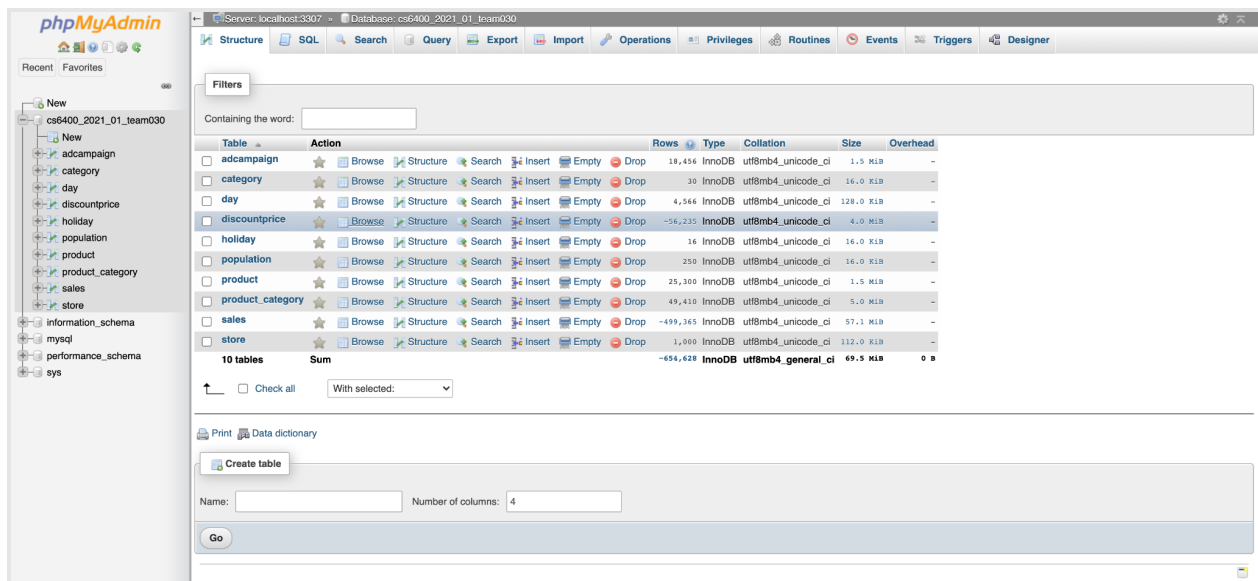
Step 1: click new and create a database, name it **cs6400_2021_01_team030** and click create. The name of the database in app.py db configuration should match the database name created here.

The screenshot shows the 'Databases' section of phpMyAdmin. At the top, there's a navigation bar with tabs: Databases, SQL, Status, User accounts, Export, Import, Settings, and Binary log. The 'Databases' tab is active. Below the navigation bar, the 'Create database' form is visible. The 'Database' field contains 'cs6400_2021_01_team030' and the 'Collation' dropdown is set to 'utf8mb4_general_ci'. The 'Create' button is highlighted. Below the form, a table lists existing databases: database: cs6400_2021_01_team030, information_schema, mysql, performance_schema, and sys. Each row shows its collation and master replication status (all are 'Replicated'). There are checkboxes for each database and a 'Check privileges' link. At the bottom, there's a 'Total: 5' summary and a 'Check all' checkbox. A note at the bottom states: 'Note: Enabling the database statistics here might cause heavy traffic between the web server and the MySQL server.' with a link to 'Enable statistics'.

Step 2, Import demo data to the database. Under database: **cs6400_2021_01_team030** Click import and choose data “**cs6400_2021_01_team030.sql**” in the downloaded project folder and click **Go**.

The screenshot shows the 'Import' page in phpMyAdmin for the database 'cs6400_2021_01_team030'. The 'File to import:' section has a 'Browse your computer' button selected, and the file 'cs6400_2021_01_team030.sql' is chosen. The 'Character set of the file:' is set to 'utf-8'. The 'Partial import:' section has a checkbox for 'Allow the interruption of an import in case the script detects it is close to the PHP timeout limit.' checked. The 'Skip this number of queries' field is set to '0'. The 'Other options:' section has a checkbox for 'Enable foreign key checks' checked. The 'Format:' section has a dropdown set to 'SQL'. The 'Format-specific options:' section has a dropdown for 'SQL compatibility mode' set to 'NONE' and a checkbox for 'Do not use AUTO_INCREMENT for zero values' checked. The 'Go' button is highlighted at the bottom right.

You will find your database is established after hitting the refresh button on the phpMyAdmin page.



8. Configure your database in app.py.

The **username**, **hostname** and **password** in database configuration in app.py must match the information used during the “add an account” Phase.

Port number must match the port number of the localhost, in this example, it is 3307

Database name must match the database created in step 1, in this example, it is **cs6400_2021_01_team030** .

```
db = pymysql.connect(host="localhost",  
                     port=3307,  
                     user="gatechUser",  
                     passwd="gatech030",  
                     db="cs6400_2021_01_Team030")
```