

Student Record Management System

Project Setup

In this document, I will describe how to setup and run this project

To get started, follow the below sequence and in case of any queries feel free to contact me at jayeshzinzuvadiya099@gmail.com.

[A] Pre-requisites:-

Before setting up the project, you must have the installed the following on your machine

- 1) Install [python](#) and [django](#) framework
- 2) Install [xampp](#) for mysql database
- 3) Install following packages using the pip command

```
>> pip install mysqlclient
```

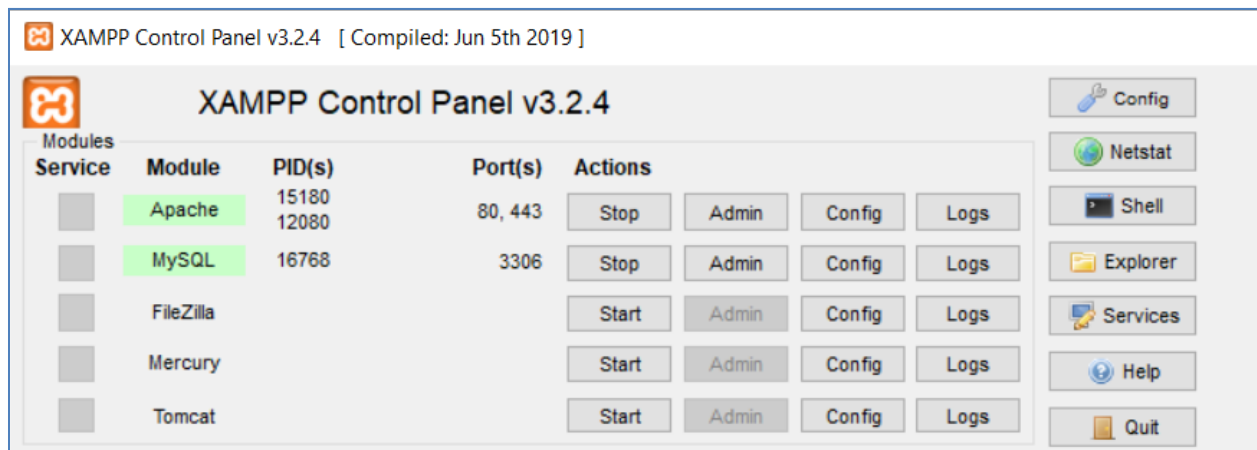
```
>> pip install xlrd
```

- 4) Source code of the project

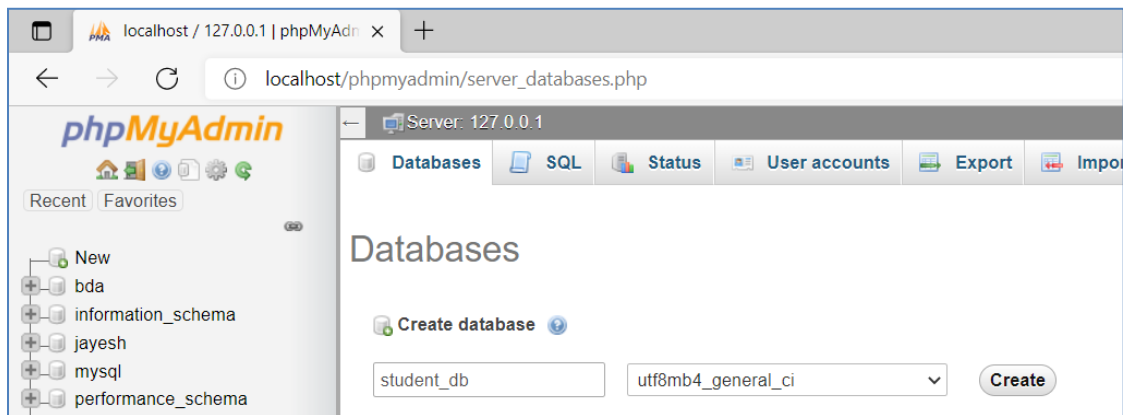
[B] Database Creation:-

Let's create a database first

- First of all, open xampp-control window and start **Apache** and **MySQL** module as shown below:-



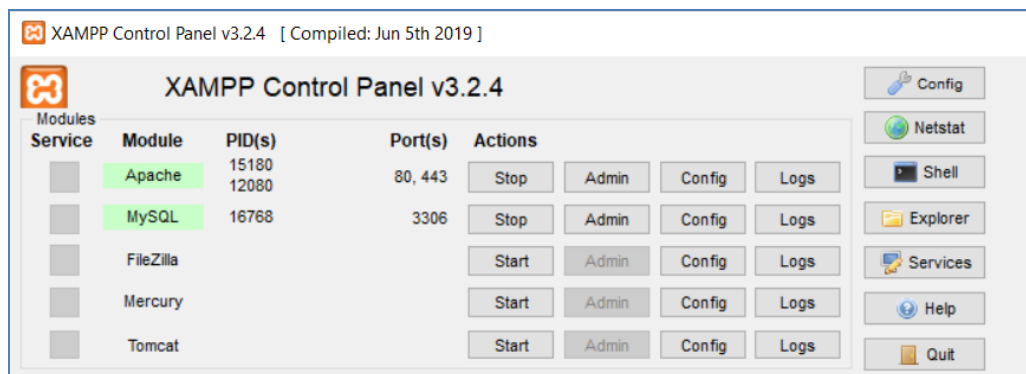
- Click on Admin button of MySQL row and this will open the PhpMyAdmin UI in your browser. Click on New button to create a database.
- Name the database as **student_db** and click on create button to create the database. This is done for one time only.



[C] Run the Project:-

Whenever you are running the project, you have to follow this sequence

- 1) Before running the project, first open xampp-control window and start **Apache** and **MySQL**.



- 2) Now, open cmd and go inside the 'srms/' project directory. Run the following commands:-

```
>> python .\manage.py makemigrations
```

```
PS F:\ENGINEERING\SEM_8\SRMS Project\srms> python .\manage.py makemigrations
No changes detected
```

```
>> python .\manage.py migrate
```

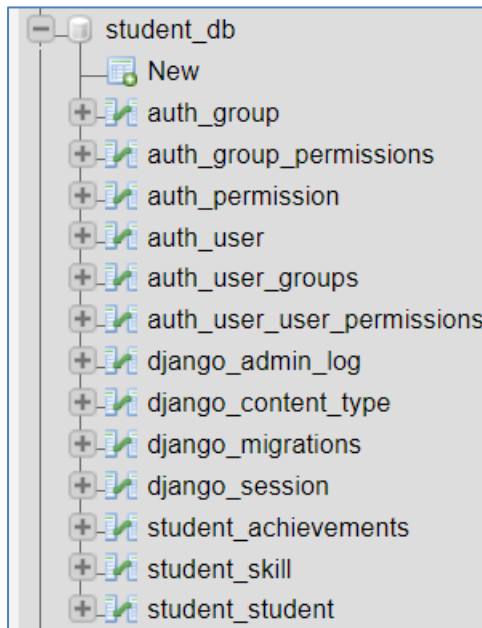
```

PS F:\ENGINEERING\SEM_8\SRMS Project\srms> python .\manage.py migrate
System check identified some issues:

WARNINGS:
?: (mysql.W002) MariaDB Strict Mode is not set for database connection 'default'
   HINT: MariaDB's Strict Mode fixes many data integrity problems in MariaDB, such as data truncat
ng warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.co
ql-mode
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, sessions, student
Running migrations:
  Applying contenttypes.0001_initial... OK
  Applying auth.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_auto_add... OK
  Applying admin.0003_logentry_add_action_flag_choices... OK
  Applying contenttypes.0002_remove_content_type_name... OK
  Applying auth.0002_alter_permission_name_max_length... OK
  Applying auth.0003_alter_user_email_max_length... OK
  Applying auth.0004_alter_user_username_opts... OK
  Applying auth.0005_alter_user_last_login_null... OK
  Applying auth.0006_require_contenttypes_0002... OK
  Applying auth.0007_alter_validators_add_error_messages... OK
  Applying auth.0008_alter_user_username_max_length... OK

```

The above command will create the following database tables. To see the tables go to the PhpMyAdmin UI in your browser.



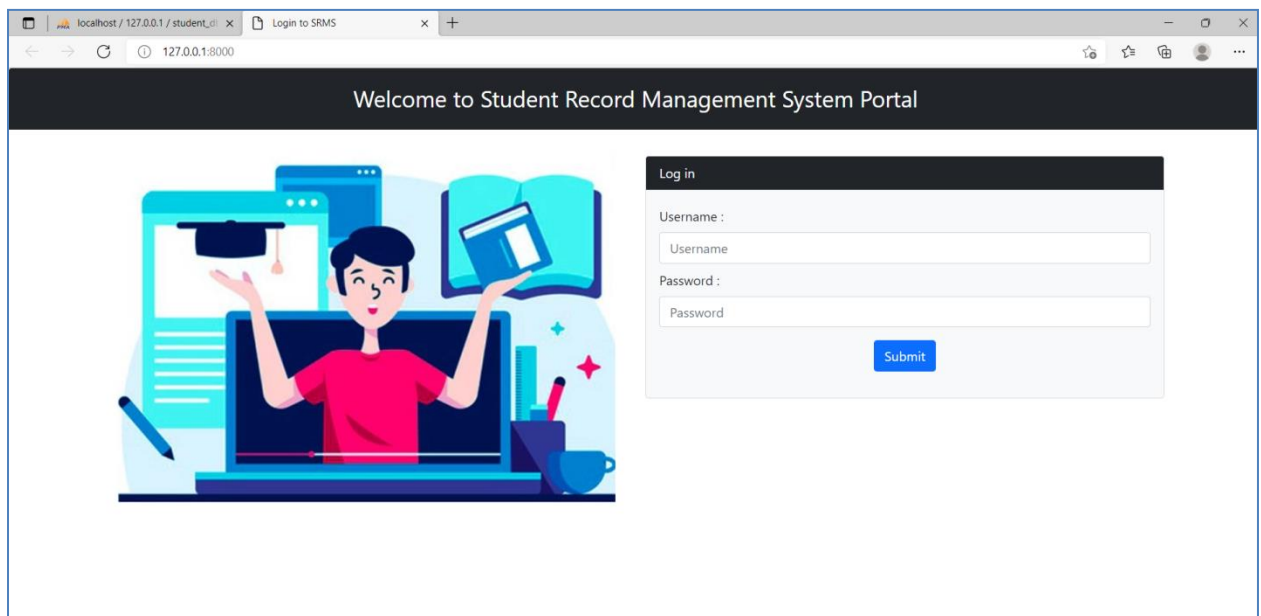
>> python .\manage.py runserver

```
PS F:\ENGINEERING\SEM_8\SRMS Project\srms> python .\manage.py runserver
Performing system checks...

System check identified no issues (0 silenced).
March 03, 2022 - 14:40:03
Django version 4.0.1, using settings 'srms.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

Open this link: <http://127.0.0.1:8000/> in your browser.

You should be able to see the login page of the student record management system.



So, if you can see the above page, then you have setup the project successfully.

Now, read the **“User Manual”** document, which will guide you how to use this application.