

Student Management System API

An API to manage the student data



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INSTALLATION

VIRUTAL ENVIRONMENT

Firstly, Our system should have python3 installed. Please check PIP3 also installed along with python3. We use virtual environment called "pipenv". Follow below commands to install it.

pip3 install pipenv

Description	command
Install virtual environment	pip3 install pipenv

After installing virtual environment go to the project folder and run the following commands

Description	command
If PIPFILE has all the dependencies mentioned and wanted to install all the dependencies	pipenv shell pipenv sync
for the net new project to create virtual environment for that folder	pipenv install
To activate pip shell	pipenv shell

SETUP DATABASE

CREATE AND SEED SAMPLE DATA IN DB

To create the Database and to seed some sample data in them we need to follow the below commands

Description	command
To create db and the tables	flask dbcreate
To add sample data	flask dbseed
To delete the tables and the data	flask dbdrop

RUN THE APP

FLASK APPLICATION

To run the flask application we need to mention the python file where flask class is mentioned. If that file name is “app.py” then no need to set the flask app because by default flask sets the app name as app.py. If your python file is different name then we need to tell flask explicitly regarding the file. Later on we need to run the flask server. There is debug mode. If any changes made to the code we need to restart the server every time But If we run the server in the debug mode then no need to restart the sever again and again when there is change in code.

Description	command
To set the flask application	set FLASK_APP=app.py
To enable debug mode	set FLASK_DEBUG = true
To run flask server	flask run

Use Postman or some other HTTP clients to trigger the end points