MASGlobal Employees API

Running it locally by using PyCharm

https://github.com/dpjn316gh/MASGlobal-employees-api

1. Make sure you have installed at least python 3.8 and pip. You should use a Virtual Environment (https://docs.python.org/3/tutorial/venv.html) to run it.

2. Open a terminal and go to the root of this project folder.

3. Activate your Python environment if you are using a Virtual Environment.

   ```
   source bin/activate
   ```
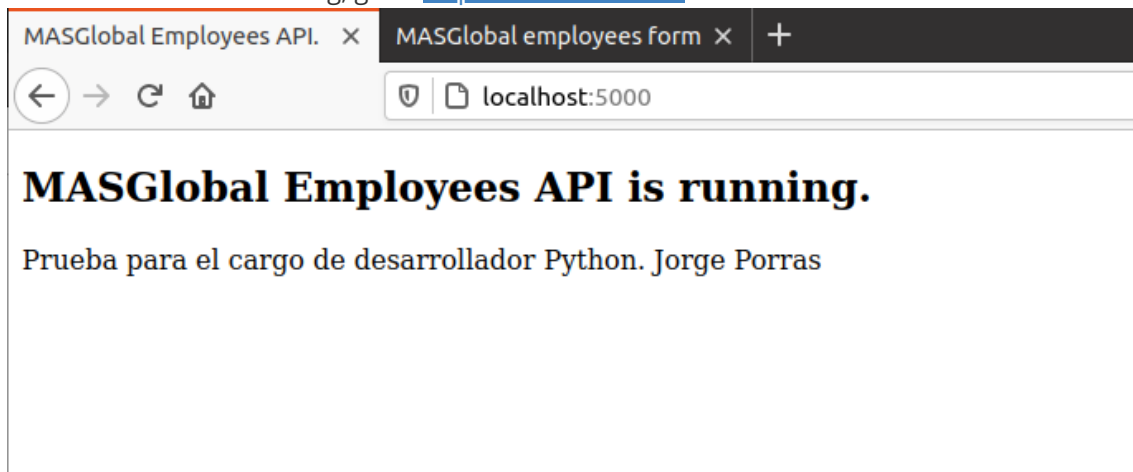
4. Execute:

   ```
   pip install --trusted-host pypi.python.org -r requirements.txt
   ```

5. If you are using PyCharm, go to *Run* menu, then click on *Edit Configurations...*

6. Add a new *python* configuration.

7. On *name* field you can choose the name what you want. E.g. webapp.

8. On *Script Path* field, set the path of virtual environment of your project. E.g.
   `/<YOUR ABSOLUTE PATH>/MASGlobal-employees-api/venv/bin/flask`

9. On *parameters* write out `run`.

10. On Environment variables field, add the following ones:
    - `FLASK_APP=src/api_app`
    - `FLASK_ENV=development`
    - `APPLICATION_PATH=/<YOUR ABSOLUTE PATH>/MASGlobal-empoyees-api`
    - `ENVIRONMENT=local`

11. On *working directory* field, write the path where **MASGlobal-employees-api** virtual environment is in.
    E.g. `<YOUR ABSOLUTE PATH>/MASGlobal-employees-api/venv/bin`

12. Modify the file `/<YOUR ABSOLUTE PATH>/MASGlobal-employees-api/deployment/conf/local/app_path.yaml` and modify value of the key `app_path_folder` with the value: `<the abosulute path of folder of this project>/MASGlobal-empoyees-api`

13. To check the API es running, go to http://localhost:5000/

14. Finally, open the file *//MASGlobal-employees-api/src/presentation_layer/employee-information.html* by using a browser.
    That's it!.

Running it locally by using flask

1. Install a virtual environment with a similar command: `python3.8 -m venv /<YOUR ABSOLUTE PATH>/MASGlobal-employees-api/venv`

2. Modify the file `/<YOUR ABSOLUTE PATH>/MASGlobal-employees-api/deployment/conf/local/app_path.yaml` and modify value of the key `app_path_folder` with the value: `/<YOUR ABSOLUTE PATH>/MASGlobal-empoyees-api`

3. Open a terminal

4. `cd /<YOUR ABSOLUTE PATH>/MASGlobal-employees-api`

5. `cd venv`

6. `source bin/activate`

7. `cd ..`

8. `pip install --trusted-host pypi.python.org -r requirements.txt`

9. `export PYTHONPATH=\$PYTHONPATH:/<YOUR ABSOLUTE PATH>/MASGlobal-employees-api:/<YOUR ABSOLUTE PATH>/MASGlobal-employees-api/src`

10. `export FLASK_APP=/<YOUR ABSOLUTE PATH>/MASGlobal-employees-api/src/api_app`

11. `export APPLICATION_PATH=/<YOUR ABSOLUTE PATH>/MASGlobal-employees-api`

12. `export FLASK_ENV=development`

13. `export ENVIRONMENT=local`

14. `flask run`

15. To check the API es running, go to http://localhost:5000/

16. Finally, open the file *.../MASGlobal-employees-api/src/presentation_layer/employee-information.html* by using a browser.
    That's it!.

Employees module

Employee id: [   ] [Get employees]

Employee ID	Name	Role ID	Rome Name	Role Description	Monthly Salary	Hourly Salary	Contract type name	Annual Salary
1	Andrea	1	Administrator	null	50000	10000	HourlySalaryEmployee	14400000
2	Alex	2	Contractor	null	50000	10000	MonthlySalaryEmployee	600000