

Proyecto React Pytho Flask Mongo

#video: <https://www.youtube.com/watch?v=D1W8H4Rkb9A>

#-----instalar mongodb server7.0

<https://www.mongodb.com/docs/manual/tutorial/install-mongodb-on-ubuntu/>

conectarse a mongo

mongosh

#--- create collections

db.createCollection('usuarios')

#--inserta dato en collection

```
db.usuarios.insertOne({
  "id" : 1,
  "name" : "juanito",
  "password" : "aaaa" })
```

```
db.usuarios.insertOne({
  "id" : 2,
  "name" : "luchito",
  "password" : "eeee" })
```

#--- crear colleccion e insertar datos

```
db.usuarios.insert({})
```

#--- buscar registros

```
db.usuarios.find().pretty()
```

#-----

```
db.albumes.insertMany([
  {}, {},])
```

#-- buscar dato

```
db.usuarios.findOne()
```

```
db.albumes.find()
```

```
db.albumes.find().pretty()
```

#-- actualizar un registro

```
db.usuarios.updateOne({"id" : 1}, {$set:{"password" : "xxxx"}})
```

```
#-- eliminar  
db.products.remove({_id:890})
```

```
#-----
```

```
#-- crear directorio proyecto
```

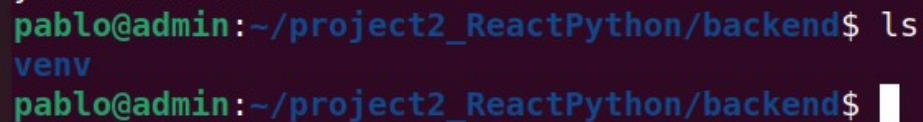
```
mkdir project2_ReactPython  
cd project2_ReactPython/  
mkdir backend  
cd backend
```

```
#-- Abri carpeta backend en Vscode  
code .
```

```
#-- habilitar terminar en Vscode: Ctrl + Shift + P
```

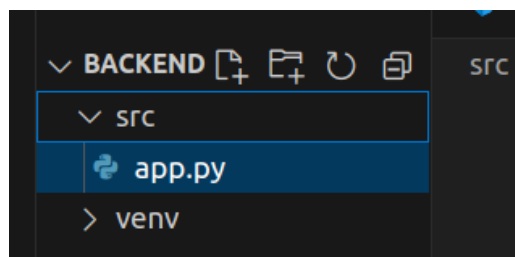
```
#-- instalar entorno virtual para el proyecto  
pip install virtualenv
```

```
#--crear entorno virtual proyecto  
virtualenv venv
```



```
pablo@admin:~/project2_ReactPython/backend$ ls  
venv  
pablo@admin:~/project2_ReactPython/backend$
```

```
#-- crear carpeta y archivo app.py
```



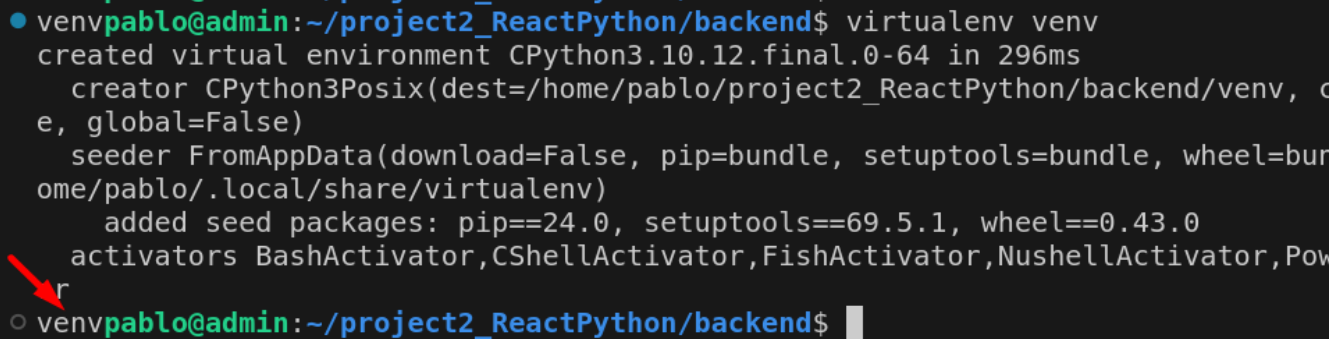
```
#-- iniciar entorno virtual otra terminal  
virtualenv venv  
source venv/bin/activate
```

```
#-- para desactivar  
source venv/bin/deactivate
```

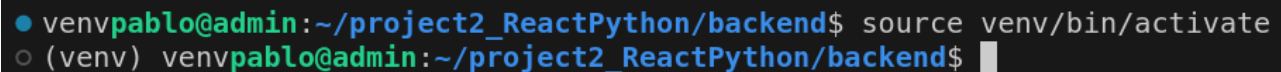
deactivate

#--eliminar entorno virtual

rm -rf /ruta/al/entorno_virtual



```
• venv pablo@admin:~/project2_ReactPython/backend$ virtualenv venv
created virtual environment CPython3.10.12.final.0-64 in 296ms
creator CPython3Posix(dest=/home/pablo/project2_ReactPython/backend/venv,
e, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bur
ome/pablo/.local/share/virtualenv)
added seed packages: pip==24.0, setuptools==69.5.1, wheel==0.43.0
activators BashActivator,CShellActivator,FishActivator,NushellActivator,Pow
r
○ venv pablo@admin:~/project2_ReactPython/backend$
```

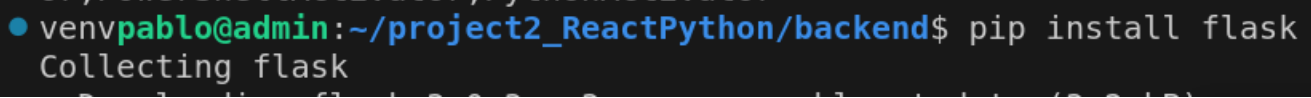


```
• venv pablo@admin:~/project2_ReactPython/backend$ source venv/bin/activate
○ (venv) venv pablo@admin:~/project2_ReactPython/backend$
```

#-- instalar modulos del proyecto

#-- Flash y conector Bdmongo en el entorno virtual

pip install flask



```
• venv pablo@admin:~/project2_ReactPython/backend$ pip install flask
Collecting flask
```

pip install flask Flask-PyMongo flask-cors

#-- agregar codigo en app.py

#-- correr servidor

python src/app.py

#--abrir en navegador

<http://127.0.0.1:5000>

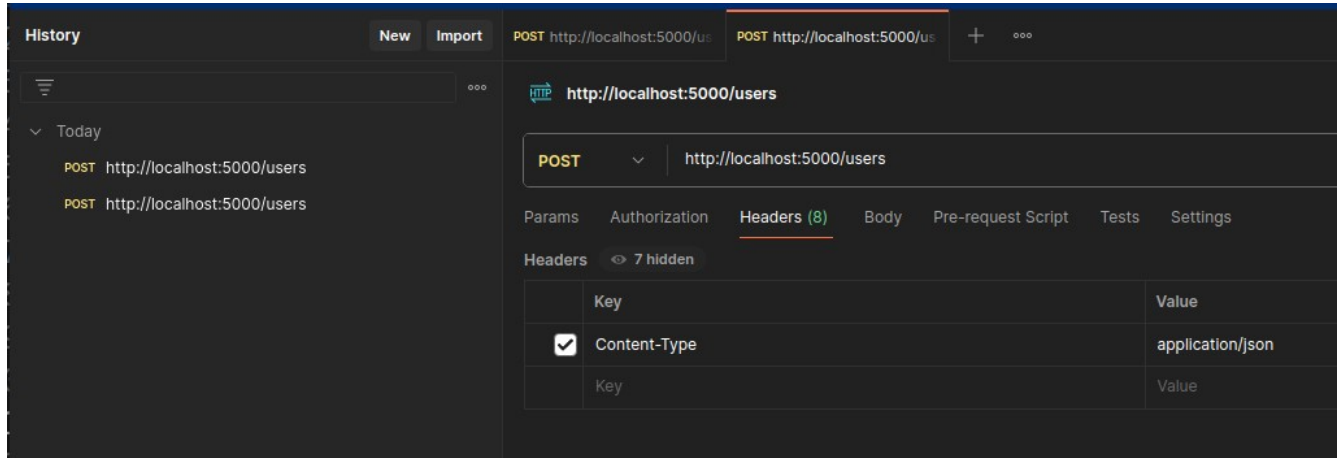
#-- instalar postman para probar aplicacion

sudo apt install snapd

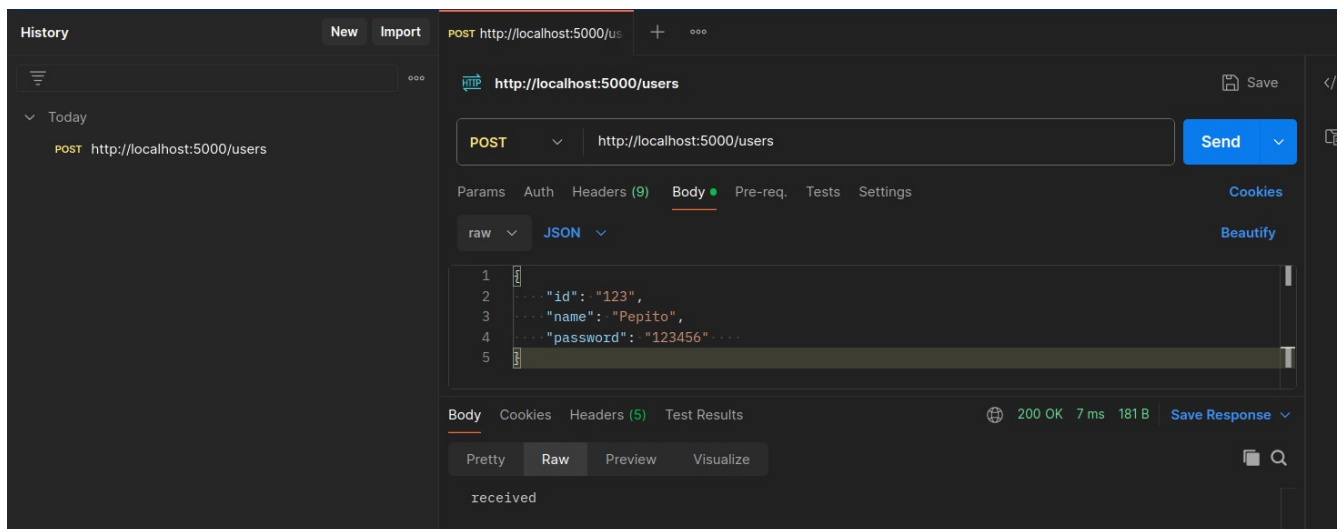
sudo snap install postman

#-- correr postman y enviar POST con dato en json para prueba postman

<http://localhost:5000/users>



```
{
  "id": "123",
  "name": "pepito",
  "password": "123456"
}
```



R-Repuesta POST



```
127.0.0.1 - - [04/Jun/2024 22:28:37] "POST /users HTTP/1.1" 415 -  
{'hello': 'world'}  
127.0.0.1 - - [04/Jun/2024 22:35:03] "POST /users HTTP/1.1" 200 -
```

#-- listar puerto utilizados, para eliminar instancias del servidor

lsof -i :5000

kill -9 84746

#----- **fronend – vista client**

#-- instalar node

sudo apt install npm

#-- actualizar version node 14

#--instalar nvm

curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.4/install.sh | bash

#ejecutar nvm automaticamente

export NVM_DIR="\$HOME/.nvm"

[-s "\$NVM_DIR/nvm.sh"] && \. "\$NVM_DIR/nvm.sh" # This loads nvm

[-s "\$NVM_DIR/bash_completion"] && \. "\$NVM_DIR/bash_completion" # This loads nvm
bash_completion

#-- crear proyecto

npx create-react-app frontend

source ~/.bashrc

#-- instalar nueva version

nvm install 14

#--configurar por default

nvm alias default 14

nvm use 14

node -v

#--- crear proyecto fronend

npx create-react-app frontend

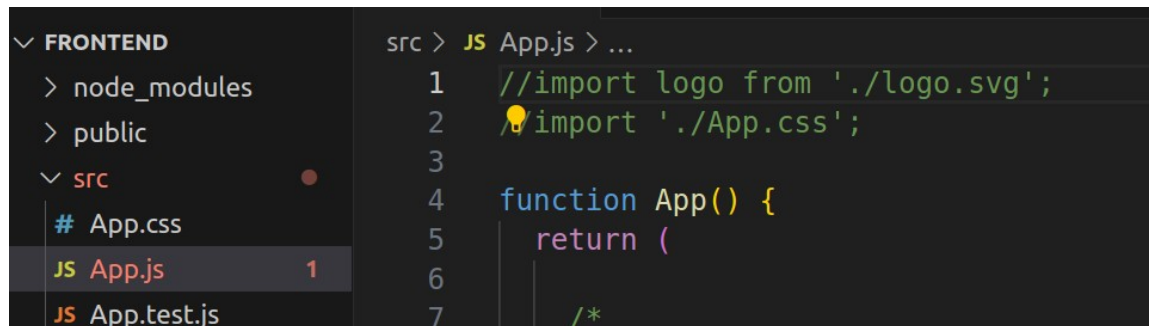
#-- **iniciar proyecto**

cd frontend

npm start

#--- instalar dependencias adicionales project
npm i react-router-dom bootswatch

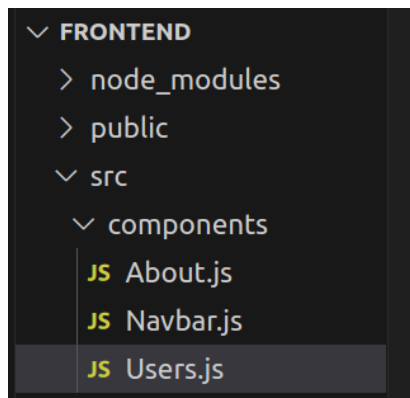
#-- modificar archivo app.js y volverlo un routeador



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with a 'FRONTEND' folder containing 'node_modules', 'public', and 'src'. Inside 'src', there are files 'App.css', 'App.js', and 'App.test.js'. The 'App.js' file is selected. The code editor shows the content of 'App.js' with the following code:

```
src > JS App.js > ...  
1 //import logo from './logo.svg';  
2 //import './App.css';  
3  
4 function App() {  
5   return (  
6  
7     /*
```

#--Crear carpeta y archivos



The screenshot shows a file explorer with a project structure. The 'FRONTEND' folder is expanded, showing 'node_modules', 'public', and 'src'. Inside 'src', there is a 'components' folder containing three files: 'About.js', 'Navbar.js', and 'Users.js'.

#----- **inicializar proyecto**
npm start

#-- actualizar a version 6
npm install [react-router-dom@latest](https://www.npmjs.com/package/react-router-dom)

#buscar componente navbar
<https://getbootstrap.com/>

#-- convertir a JSX y copiar codigo html a nuestro proyecto
<https://magic.reactjs.net/htmltojsx.htm>

#-- en index.js importar bootstrap
#-- temas <https://bootswatch.com/>

#----- correr backend, frontend, mongodb

```
source venv/bin/activate  
python src/app.py  
npm start  
mongosh
```

<http://127.0.0.1:5000>

<http://localhost:3000>

use prueba

#----- crear variables de entorno proyecto

#-- crear archivo .env

