MULTI-TENANT PYTHON DJANGO APPLICATION SETUP USING POSTGRES

* Create and activate virtual environment
* Install dependencies:  
  Pip install django  
  Pip install django-tenants or Pip install django-tenant-schemas

Pip install psycopg2

* Create project
* Create app1
* Create app2

SETUP PROCESS:

* Create virtual environment and Activate it
* Install dependencies
* Create project using **django-admin startproject my\_tenproject**

@ Settings.py

@ Urls.py

* Create two isolated apps using **django-admin startapp app1** & **django-admin startapp app2**

#app1

@ Models.py

@ Admin.py

@ Signals.py

@ App.py

@ Middleware.py

@ Urls.py

#app2

@ Models.py

@ Templates

@ Views.py

@ Urls.py

* Project/Settings.py must includes:
* Add database
* Add database router file
* Add middleware
* Add installed apps
* Add tenant model
* Add tenant domain model
* Add templates directory
* Postgresql for maximum connections:
* Inside the postresql file find the postgresql.conf file
* Edit postgresql.conf
* Add maximum connections
* Add logging and monitoring
* Add sharred bufferes
* Add work\_memory
* Add makemigrations in terminal using **python manage.py makemigrations**
* Add migrate app1 using **python manage.py migrate app1**
* Add migrate app2 using **python manage.py migrate app2**
* Create superuser using **python manage.py createsuperuser** (add username,mail id,password)
* At the starting need to add manual single tenant using shell , once you create one in manual the admin panel opens then other tenants are created dynamically based on while the user register the page.
* Finally run the server using **python manage.py runserver**