# Backend Environment

* OS and Python Environment
  + Any OS Linux or Windows
  + Python: 3.9
* Create Virtual Environment for python
  + cd backend
  + python -m venv .venv
  + consider that new folder named .venv
* Install python modules.
  + Look at requirements.txt and command “pip install -r requirement.txt”

(After complete this project, we will edit as Pro.txt in requirement.txt)

* Create Database
  + Use Postgres Database
  + If it is not possible automatic generate, use this command: “createdb auth\_service”
* Database migrations
  + Consider backend/src/migration and alembic.ini file
  + alembic.ini file is just for database migration
  + consider that script\_location is migration
  + Use command following steps
    - alembic init
    - alembic revision --autogenerate -m “create tables”
    - alembic upgrade
* Execute backend system
  + cd backend/src
  + Use this command: python main.py
  + Default port of backend is 8000 and if you want to change this port, change port in main.py file

# Frontend Environment

* OS and Node Environment
  + Any Linux or Windows
  + Node.js >= 16
* In Frontend folder
  + npm install
  + consider node\_modules that all modules installed
* run Frontend
  + use command: npm run dev ( This is just for development, if you want product, use npm run build and npm start)
  + If you want to change port of this project, consider next.config.js file. At here, you can see server port and change that you want.