

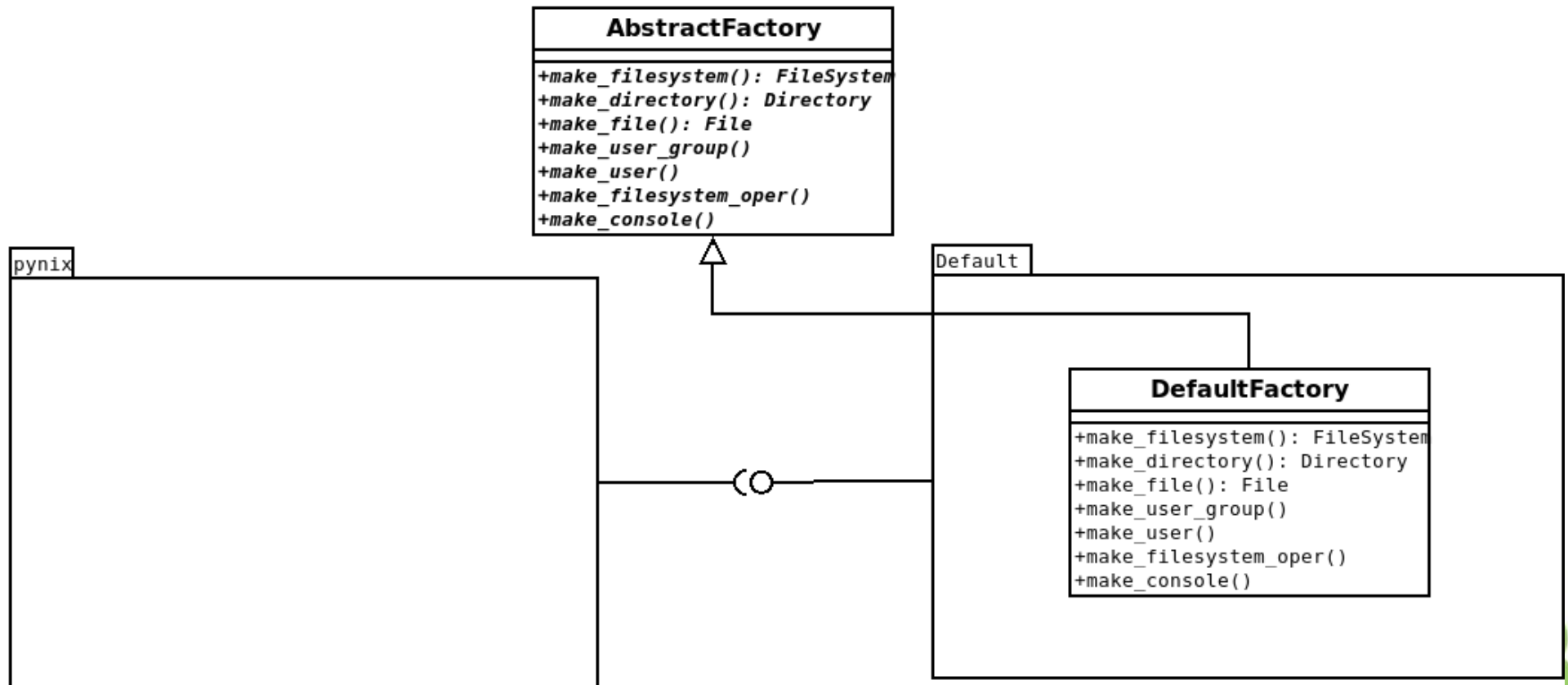
# Homework 3

By Kamanashis Roy

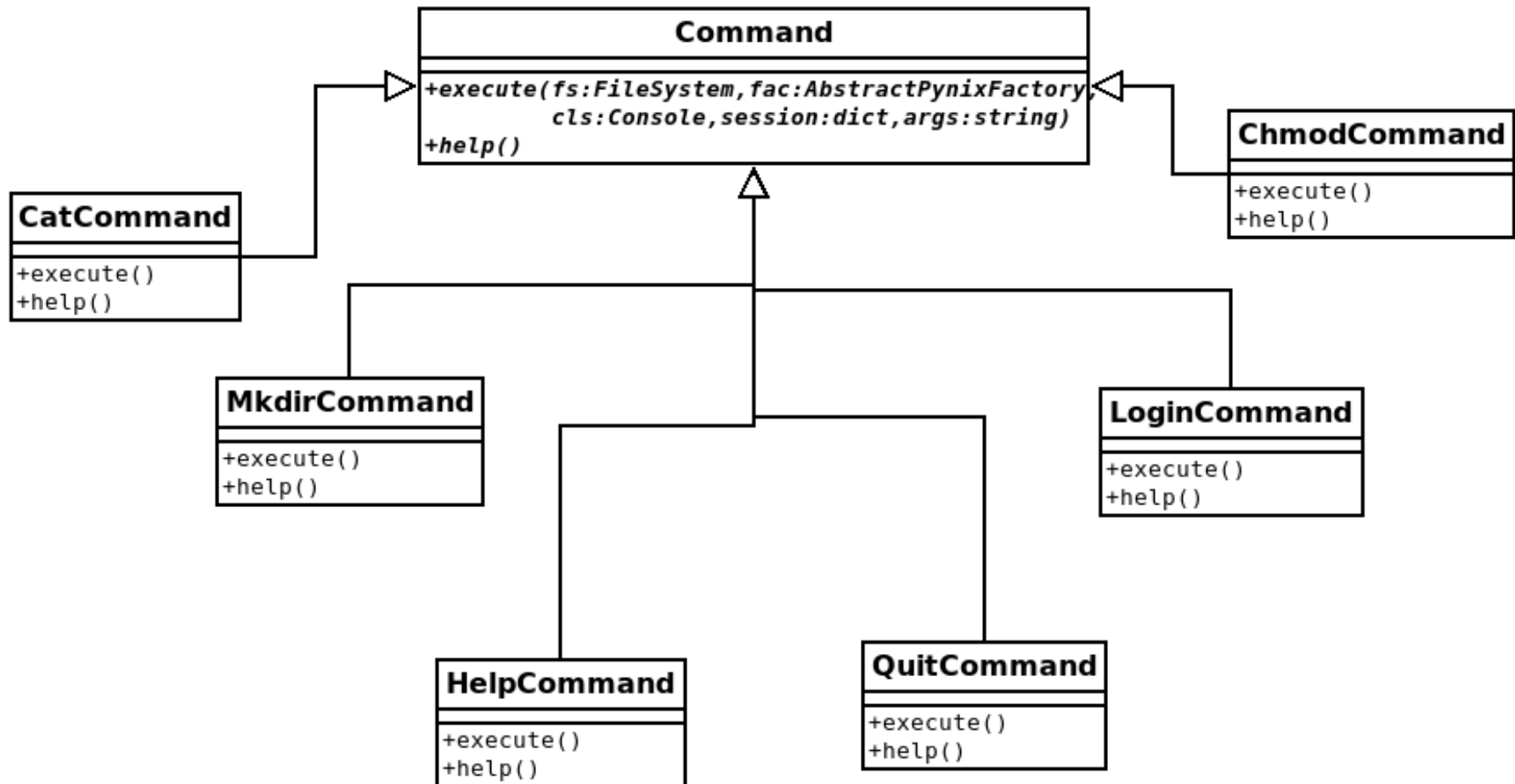
<https://github.com/kamanashisroy/pynix>



# Creational pattern: Abstract factory



# Polymorphism



# Login and Start

- `python3 pynix.py`
  - `help login`
  - `login admin admin`
  - Source: `LoginCommand.py`
  - Injection: `DefaultPynixFactory.py`



# Create Directory

- `mkdir /root/goody`
- Source: `MkdirCommand.py`
- Injection: `DefaultPynixFactory.py`



# Show file and directory

- `cat /root/goody`
- `cat /root`
- Source: `CatCommand.py`
- Injection: `DefaultPynixFactory.py`



# Create new file

- `cat /root/README hello`
- `cat /root/goody/shoe red`
- Source: `CatCommand.py`
- Injection: `DefaultPynixFactory.py`



# Show files and permission

- `cat /root/`
- Source: CatCommand.py
- Injection: DefaultPynixFactory.py





# Edit file/dir permission

- `chmod /root/ 0b1`
- Source: `ChmodCommand.py`
- Injection: `DefaultPynixFactory.py`



# Persistence

- Json db
  - AbstractDbm is the Superclass
    - DefaultDbm is the concrete implementation.
      - fs.txt is the db file
    - Source default\_dbm.py



# Model , View , Controller

