

Project_Day_1

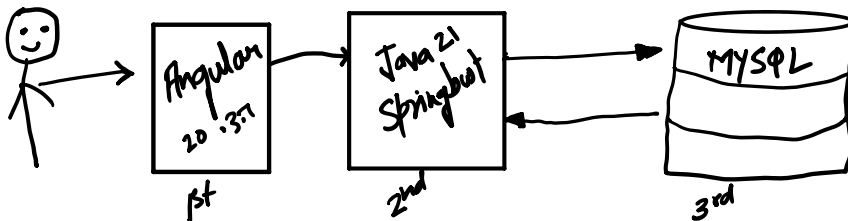
28 January 2026 16:14

Today is first day of this project and day we 1 are going to launch our three EC2 instances of t3.medium or t2.medium type in any region of your choice.

1st Instance -> Frontend (Angular)

2nd Instance -> Backend (Java)

3rd instance -> Database (MYSQL)



Steps for running application on EC2 instances

Frontend Set Up

1. `sudo apt update`
2. `Git clone https://github.com/neerajbalodi/user-management-frontend.git`
3. `sudo apt install npm`
4. `sudo npm install -g @angular/cli@20.3.7`
5. `curl -fsSL https://deb.nodesource.com/setup_20.x | sudo -E bash -`
6. `sudo apt install nodejs -y`
7. `cd user-management/`
8. `ng serve --host 0.0.0.0`

Frontend will start

Backend Setup

1. Sudo apt update
2. sudo apt install openjdk-21-jdk -y
3. sudo apt install maven
4. **git clone** <https://github.com/neerajbalodi/user-management-backend.git>
5. Cd user-management-backend
6. Mvn clean install
7. Go to target folder
8. Hit command **java -jar user-management-0.0.1-SNAPSHOT.jar**

Backend will start

Database Set up

1. sudo apt update
- 2 sudo apt install mysql-server -y
- 3 # Check MySQL status
- 4 sudo systemctl status mysql
- 5 telnet localhost 3306
- 6 sudo mysql
- 7 sudo systemctl status mysql
- 8 sudo netstat -tlnp | grep mysql
- 9 sudo apt install net-tools

Make sure to open below ports in security group in EC2 instance.

1. 4200 Frontend
2. 8080 Backend
3. 3306 Database