Project details:

The goal of this project is to learn by doing a simple deployment of a mobile app in an AWS EC2 instance.

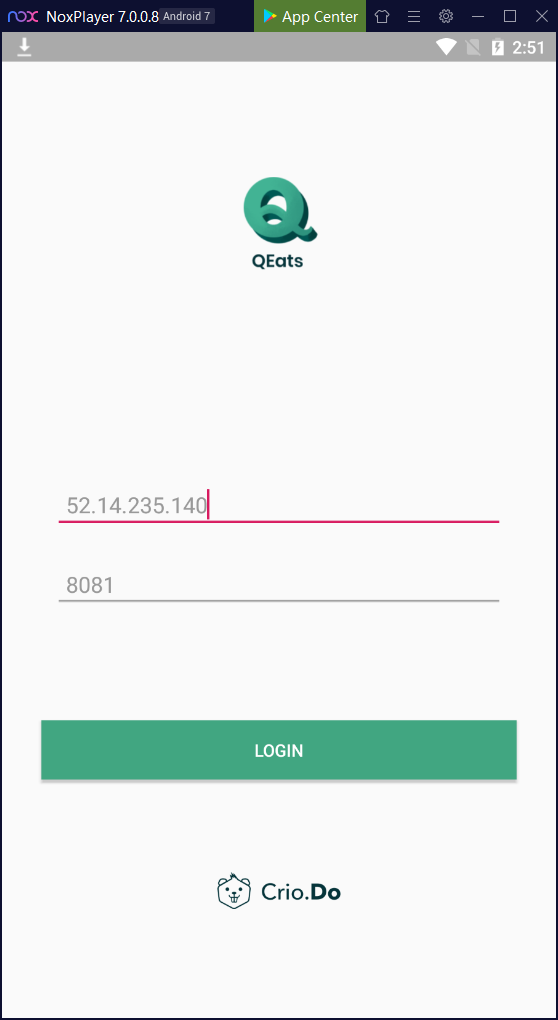
Technologies used:

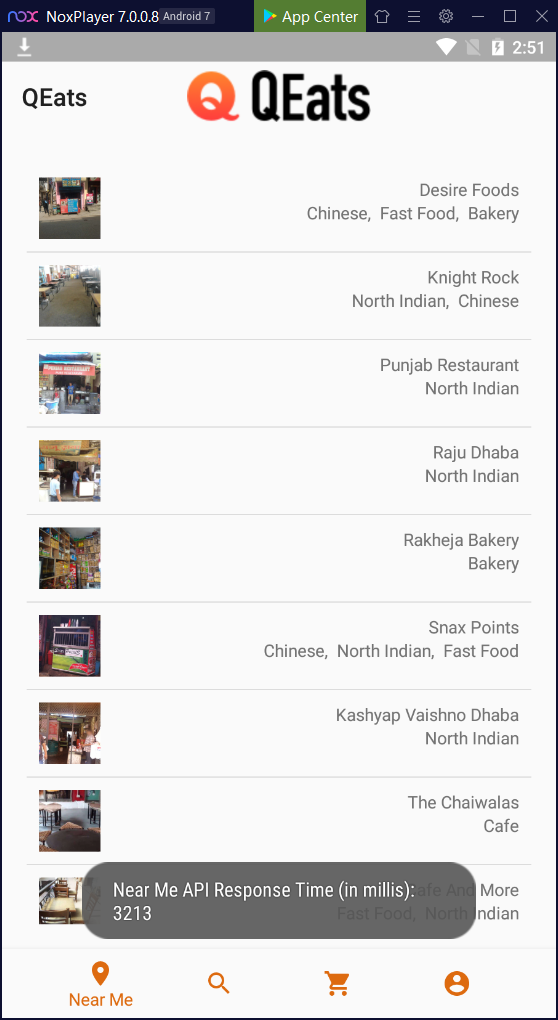
Nox Android emulator, mobaxterm (similar to putty), qeats app built by crio.do team, AWS EC2, docker, linux

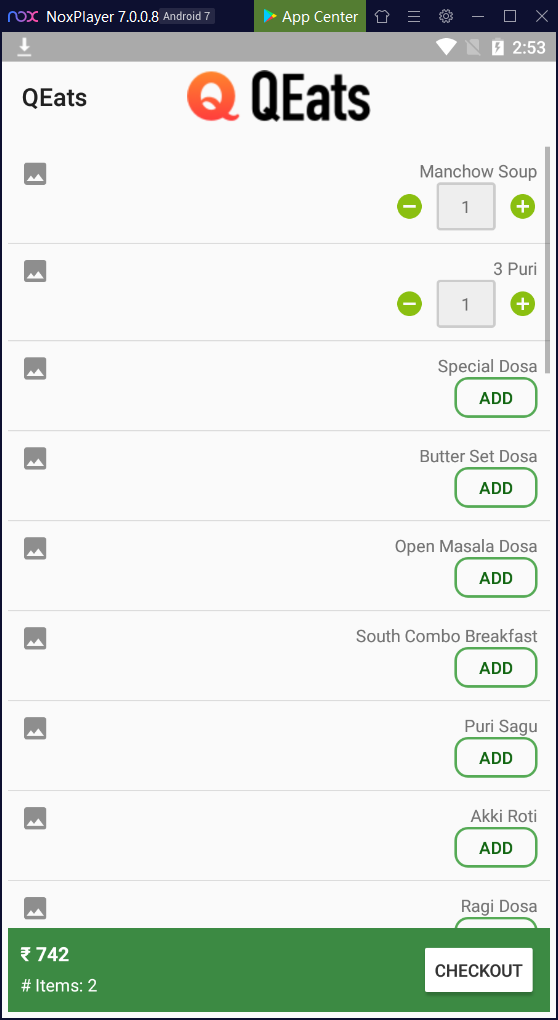
Steps:

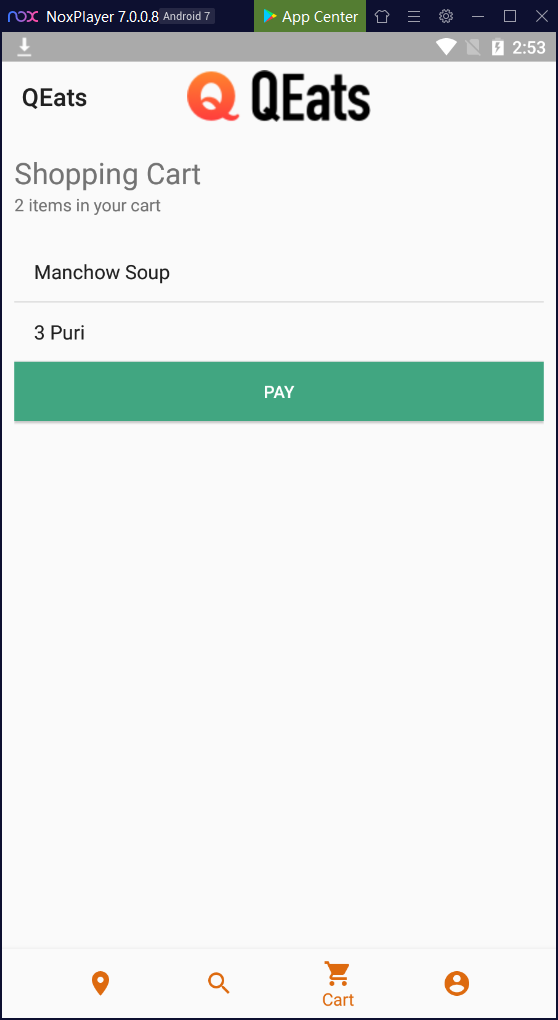
1. Create an EC2 instance in AWS console
   1. Launch an Ubuntu (free tier) instance
   2. 1 instance , 1 GB storage, three open ports(80, 22, 8081), new key pair for instance access
2. SSH into the instance
   1. Use mobaxterm (SSH utility) to connect to EC2
   2. Take the private key downloaded (.pem) and apply while connecting
3. Deploy mobile app into backend server (EC2)
   1. Install docker in EC2
      1. sudo apt-get update
      2. sudo apt-get install wget
      3. wget -qO- https://get.docker.com/ | sh
      4. sudo usermod -aG docker $USER
      5. sudo service docker start
      6. newgrp docker
   2. install telnet
      1. sudo apt install -y telnet
   3. Run the docker container for QEats app server
      1. sudo docker run -d -m 800m -v /var/log:/var/log:rw -p 8081:8081 criodo/qeats-server
4. Connect app to the server
   1. Download the QEats Android App (APK) <https://bit.ly/qeats-app-crio> into an emulator (Nox).
   2. Copy public IP address of the EC2 instance in username and 8081 in password for login
   3. Output is the below

App Screens:



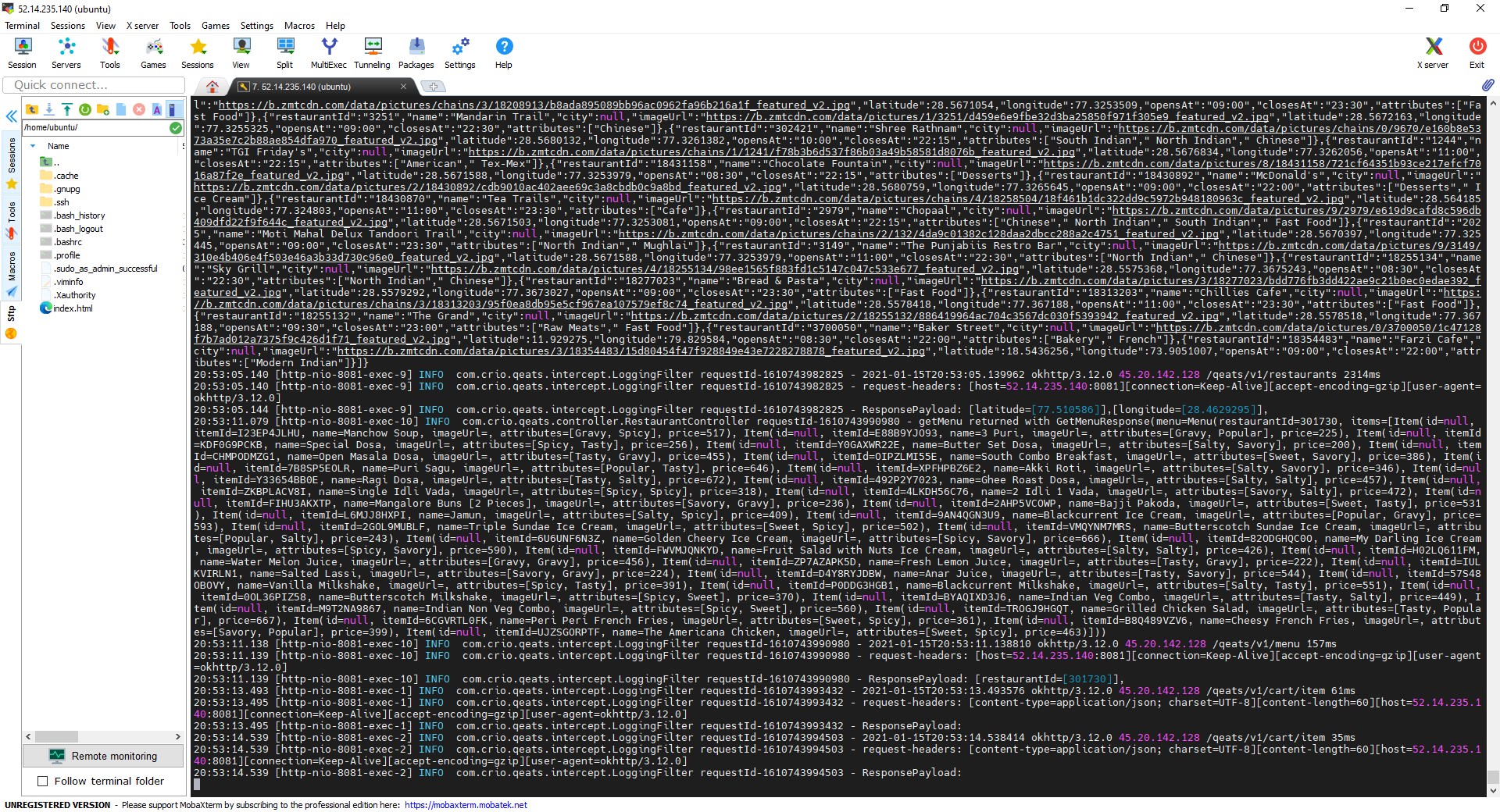








Server log:



EC2 instance:

