

## **Project: Deploy Angular Application in Docker Container**

### **Hint(s):**

1. Angular app will be accessible on port 4200
2. Consider running the following commands wherever appropriate

- a. Interactive Mode

```
docker run -it -v ${PWD}:/usr/src/app -v /usr/src/app/node_modules -p 4200:4200 -rm myangularapp
```

- b. Detached Mode

```
docker run -d -v ${PWD}:/usr/src/app -v /usr/src/app/node_modules -p 4200:4200 -rm myangularapp
```

3. Consider using dockerignore for the following:
  - a. Node\_modules
  - b. .git
4. While pushing the image to DockerHub:
  - a. Make sure you have current naming convention (tagging)
  - b. Use docker login command, if needed and push your image.

## Dockerfile

```
# base image
FROM node:9.6.1

# install chrome for protractor tests
RUN wget -q -O - https://dl-ssl.google.com/linux/linux_signing_key.pub | apt-key add -
RUN sh -c 'echo "deb [arch=amd64] http://dl.google.com/linux/chrome/deb/ stable main" >> /etc/apt/sources.list.d/google.list'
RUN apt-get update && apt-get install -yq google-chrome-stable

# set working directory
RUN mkdir /usr/src/app
WORKDIR /usr/src/app

# add `/usr/src/app/node_modules/.bin` to $PATH
ENV PATH /usr/src/app/node_modules/.bin:$PATH

# install and cache app dependencies
COPY package.json /usr/src/app/package.json
RUN npm install
RUN npm install -g @angular/cli@1.7.1

# add app
COPY . /usr/src/app

# start app
CMD ng serve --host 0.0.0.0
```