Selva Sabapathy

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SPA for Project Manager

1. Application Structure
   1. Angular based UI, delivered as a ZIP file
   2. Spring Boot based API/Service, delivered as a ZIP file & Docker Image
   3. Pre-requisites
      1. MySQL should run with database/schema “pm”.
      2. Please see application.properties & application-test.properties in resources folder
2. GitHub
   1. The entire source is available in GitHub. You can see my work history/commits.
   2. UI: <https://github.com/SelvaSabapathy/pmangular>
   3. API/Service: <https://github.com/SelvaSabapathy/pmspringboot>
3. Run the application
   1. Start the MySQL (I have a MySQL docker container)

selva@smac ~/dev/cts/s1/pm/service (master) $ docker container start selva-mysql

selva-mysql

selva@smac ~/dev/cts/s1/pm/service (master) $ docker container ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

47ff50c520cd mysql:latest "docker-entrypoint.s…" 3 weeks ago Up 6 seconds 0.0.0.0:3306->3306/tcp, 33060/tcp selva-mysql

* 1. Build the docker image of the API/Service (one-time)

selva@smac ~/dev/cts/s1/pm/service (master) $ docker build -t selvasabapathy/pm-service-1.0 .

Sending build context to Docker daemon 52.87MB

Step 1/5 : FROM openjdk:latest

---> bbb8034f26b5

Step 2/5 : COPY target/service-1.0-SNAPSHOT.jar /opt/app/

---> 2a36471fce5c

Step 3/5 : WORKDIR /opt/app

---> Running in 2115b773593a

Removing intermediate container 2115b773593a

---> 7da71608caf2

Step 4/5 : EXPOSE 8080

---> Running in 2a95b65a7e4e

Removing intermediate container 2a95b65a7e4e

---> cae7f2bf13a6

Step 5/5 : CMD java -jar service-1.0-SNAPSHOT.jar

---> Running in de12b853a22c

Removing intermediate container de12b853a22c

---> e55e3158fcff

Successfully built e55e3158fcff

Successfully tagged selvasabapathy/pm-service-1.0:latest

* 1. Run the API/Service application
     1. from maven command line (or inside IntelliJ IDEA)

selva@smac ~/dev/cts/s1/pm/service (master) $ mvn spring-boot:run

[**INFO**] Scanning for projects...

[**INFO**]

[**INFO**] **-----------------------<** home.sabapathy:service **>-----------------------**

[**INFO**] **Building service 1.0-SNAPSHOT**

[**INFO**] **--------------------------------[ jar ]---------------------------------**

[**INFO**]

[**INFO**] **>>>** spring-boot-maven-plugin:2.2.2.RELEASE:run **(default-cli) > test-compile** @ service **>>>**

**……………….**

* + 1. from the built docker image

selva@smac ~/dev/cts/s1/pm/service (master) $ docker run --network selva-docker-network --name selva-pm-service -p 8080:8080 selvasabapathy/pm-service-1.0

* 1. Build the docker image of the UI (one-time)

selva@smac ~/dev/cts/s1/pm/ui (master) $ docker build -t selvasabapathy/pm-ui-1.0 .

…….

…….

Successfully built 90d9abaeb0b1

Successfully tagged selvasabapathy/pm-ui-1.0:latest

* 1. Run the UI application
     1. from command line (or inside Visual Source Code)

ng serve -o

* + 1. from the built docker image

selva@smac ~/dev/cts/s1/pm/ui (master) $ docker run --network selva-docker-network --name selva-pm-ui -v ${PWD}:/app -v /app/node\_modules -p 4200:4200 selvasabapathy/pm-ui-1.0

* 1. Open the browser @ <http://localhost:4200/>