Impact

Run instruction

A) DockerHub Compose Run Instruction (recommend):

1. *open terminal and run below command to pull Github repository*:

   ```
   git clone https://github.com/ZhongshanShi/Impact
   ```

2. run below command in terminal:

   ```
   docker-compose up
   ```

   then both UI and backend Api should be up and running

   check on *http://localhost:3000/* for UI
   check on *http://localhost:9090/impact.com/api/healthCheck* for backend health

B) GitHub Run Instruction:

3. *open terminal and run below command to pull Github repository*:

   ```
   git clone https://github.com/ZhongshanShi/Impact
   ```

4. for UI, needs install Node.js (v14.16.0), run below two commands in terminal:

   ```
   npm install
   npm start
   ```

   check on *http://localhost:3000/* for UI

5. for Server, needs install (JDK 15, Maven 3.6.3), just run the Springboot application in any IDE like Intellij or Eclipse.

   check on *http://localhost:9090/impact.com/api/healthCheck* for backend health

C) DockerHub Run Instruction:

<u>You will need to pull down both UI and Backend images and run them on Docker.</u>

1. run below command in terminal to pull backend server image from Docker-hub:

   ```
   docker pull jayshidocker/docker-spring-boot:1.1.1
   ```

2. run below command in terminal to pull UI image from Docker-hub:

   ```
   docker pull jayshidocker/react-impact:1.1.1
   ```

3. check whether the pull is completed, run below command:

```
docker images
```

you should see below two images in your docker:

```
REPOSITORY                       TAG       IMAGE ID       CREATED          SIZE
jayshidocker/docker-spring-boot   1.1.1     348dd038d20d   16 minutes ago   823MB
jayshidocker/react-impact         1.1.1     7da80c3744ec   27 minutes ago   484MB
```

if you see both images, move to the next step.

4. run below command to start backend server (make sure port 9090 is not taken by other apps)

   ```
   docker run -p 9090:9090 jayshidocker/docker-spring-boot:1.1.1
   ```

   then copy below link to a browser to check server is up running:
   http://localhost:9090/impact.com/api/healthCheck

   you should see below response:

   ```
   {
       "statusCode": 200,
       "message": "healthCheck successful"
   }
   ```

5. open a new terminal and run below command to start UI (make sure port 3000 is not taken by other apps)

   ```
   docker run -p 3000:3000 jayshidocker/react-impact:1.1.1
   ```

6. open a new terminal and run below command to check both containers are running

   ```
   docker ps
   ```

   you should see below two containers in your docker:

```
CONTAINER ID   IMAGE                                   COMMAND                  CREATED
95845e5d8fdb   jayshidocker/react-impact:1.1.1         "docker-entrypoint.s…"   About a minute a
908f2a006e2f   jayshidocker/docker-spring-boot:1.1.1   "java -jar impact-sp…"   4 minutes ago
```

7. Both UI and api server should be up now and you can test via below port
   http://localhost:3000/