## **Dockerfile and Circleci**

Team: Team 6

Team Member: Huanan Lin (s3691176) Hin Yap Lee (s3801049)

Nguyen Hoang Hai (s3822918) Quoc Pham (s3783358)

Scrum Master: Huanan Lin

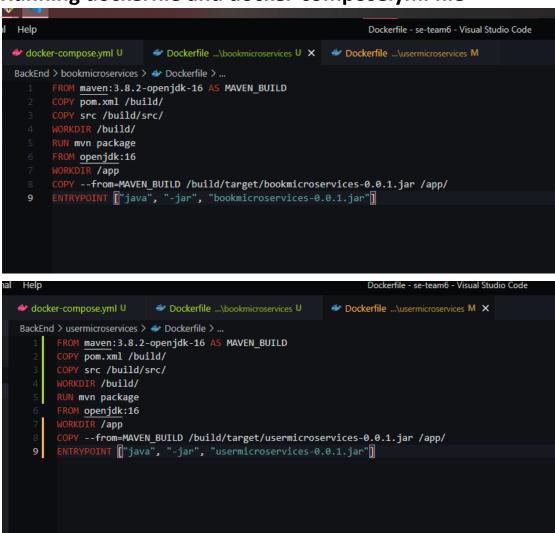
Product Owner: Dipto Pratyaksa

Development team: Hin Yap Lee

Nguyen Hoang Hai

Quoc Pham

#### Running dockerfile and docker-compose.yml file



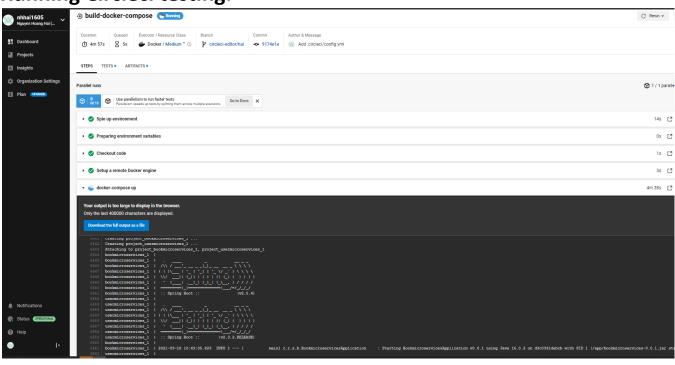
```
PS C:\Users\nguyenhh\Desktop\se-team6\se-team6>
PS C:\Users\nguyenhh\Desktop\se-team6\ docker-compose up
Building usermicroservices
[+] Building 2.5s (16/16) FINISHED

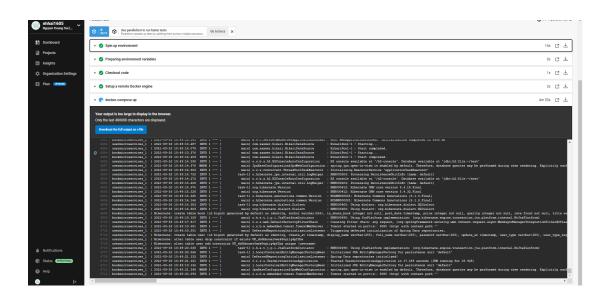
=> [internal] load build definition from Dockerfile
        => transferring dockerfile: 32B
  => [internal] load .dockerignore
 => => transferring context: 2B
=> [internal] load metadata for docker.io/library/openjdk:16
  => [internal] load metadata for docker.io/library/maven;3.8.2-openjdk-16
=> [auth] library/maven:pull token for registry-1.docker.io
=> [auth] library/openjdk:pull token for registry-1.docker.io
 => [maven_build 1/5] FROM docker.io/library/maven:3.8.2-openjdk-16@sha256:213c13c5faaf23c69120b0b414147433b516e090fdefc2a1daa2
=> [stage-1 1/3] FROM docker.io/library/openjdk:16@sha256:64fcb4a5440f62b368f30ce7982ad5cd7e18ddfa51cdfd1eb40d66ec99ceb000
=> [internal] load build context
        => transferring context: 7.13kB
 -> CACHED [stage-1 2/3] WORKDIR /app
-> CACHED [maven_build 2/5] COPY pom.xml /build/
-> CACHED [maven_build 3/5] COPY src /build/src/
-> CACHED [maven_build 4/5] WORKDIR /build/
-> CACHED [maven_build 5/5] RUN mvn package
  => CACHED [stage-1 3/3] COPY --from=MAVEN_BUILD /build/target/usermicroservices-0.0.1.jar /app/
  => exporting to image
  => => exporting layers
  => => writing image sha256:0e4dea1d41b9e160bb2e32d2593574267668895cd662325a5afb1075a2b875ba
  => => naming to docker.io/library/se-team6_usermicroservices
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them WARNING: Image for service usermicroservices was built because it did not already exist. To rebuild this image you must use `do Building bookmicroservices
[+] Building 271.2s (14/14) FINISHED
 => [internal] load build definition from Dockerfile
=> => transferring dockerfile: 32B
  => [internal] load .dockerignore
 => => transferring context: 2B
=> [internal] load metadata for docker.io/library/openjdk:16
 -> [internal] load metadata for docker.io/library/maven:3.8.2-openjdk-16
=> [stage-1 1/3] FROM docker.io/library/openjdk:16@sha256:64fcb4a5440f62b368f30ce7982ad5cd7e18ddfa51cdfd1eb40d66ec99ceb000
=> CACHED [maven_build 1/5] FROM docker.io/library/maven:3.8.2-openjdk-16@sha256:213c13c5faaf23c69120b0b414147433b516e090fdefc
=> [internal] load build context
  => => transferring context: 4.48kB
 => CACHED [stage-1 2/3] WORKDIR /app
=> [maven_build 2/5] COPY pom.xml /build/
=> [maven_build 3/5] COPY src /build/src/
=> [maven_build 4/5] WORKDIR /build/
=> [maven_build 5/5] RUN mvn package
  => [stage-1 3/3] COPY --from=MAVEN_BUILD /build/target/bookmicroservices-0.0.1.jar /app/
  => exporting to image
  => => exporting layers
  => => writing image sha256:b1086af64c5d1ce176e417d03e3276f7530d517c9a6b0a9faec155e8f5919476
  => => naming to docker.io/library/se-team6_bookmicroservices
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them WARNING: Image for service bookmicroservices was built because it did not already exist. To rebuild this image you must use `do
```

Creating se-team6\_bookmicroservices\_1 ...
Creating se-team6\_usermicroservices\_1 ...

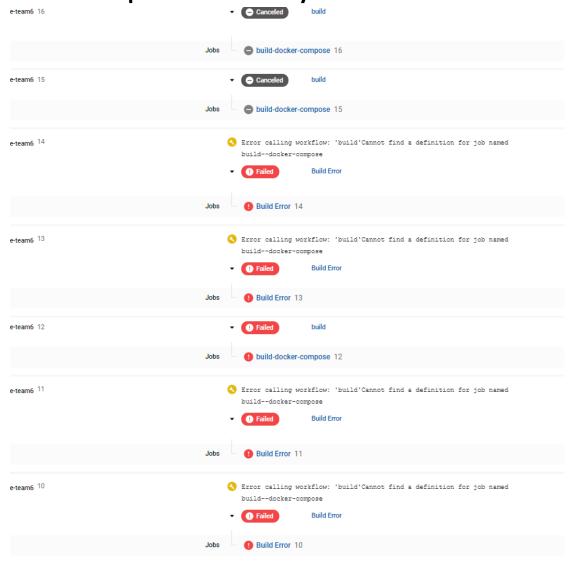


## **Running Circleci testing:**





# Failure cases because we didn't write the docker-compose file correctly:



## Successfully Pass circleci testing and build:

