

МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ РОССИЙСКОЙ ФЕДЕРАЦИИ
федеральное государственное автономное образовательное учреждение высшего образования
«САНКТ-ПЕТЕРБУРГСКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ
АЭРОКОСМИЧЕСКОГО ПРИБОРОСТРОЕНИЯ»

Кафедра компьютерных технологий и программной инженерии

ОТЧЁТ
ЗАЩИЩЁН С ОЦЕНКОЙ
ПРЕПОДАВАТЕЛЬ

ассистент

должность, уч. степень, звание

подпись, дата

Кочин Д. А.

инициалы, фамилия

Отчёт по лабораторной работе №8

по курсу: Технология разработки серверных информационных систем

СТУДЕНТ ГР. № 4932

номер группы

подпись, дата

С. И. Коваленко

инициалы, фамилия

Санкт-Петербург
2021

1. Цель работы:

Подготовьте Ваше приложение к разворачиванию в облачном сервисе или компоненте Docker.

2. Вариант:

9. Складской учёт.


3. Описание:

pom.xml

```
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-jar-plugin</artifactId>
      <version>3.2.0</version>
      <configuration>
        <archive>
          <manifest>
            <addClasspath>true</addClasspath>
            <classpathPrefix>lib/</classpathPrefix>
          </manifest>
        </archive>
      </configuration>
    </plugin>
    <plugin>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-maven-plugin</artifactId>
      <version>2.5.5</version>
    </plugin>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>3.8.1</version>
    </plugin>
  </plugins>
</build>
```

Сборка

./mvnw package

```
[INFO] Scanning for projects...
[INFO]
[INFO] -----< suai.trsis2021:labs >-----
[INFO] Building labs 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ labs ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] Copying 1 resource
[INFO] Copying 7 resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ labs ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources) @ labs ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory F:\Studies\SUAI_5sem\Server_Systems_Development_Technology\Lab_TessierAshpoule\lab4Docker\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ labs ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ labs ---
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running suai.trsis2021.lab3.Lab2ApplicationTests
[INFO]

[INFO]
2021-12-18 17:25:40.449 INFO 7056 --- [main] s.trsis2021.lab3.Lab2ApplicationTests :
by Rearden in F:\Studies\SUAI_5sem\Server_Systems_Development_Technology\Lab_TessierAshpoule\lab4D
2021-12-18 17:25:40.457 INFO 7056 --- [main] s.trsis2021.lab3.Lab2ApplicationTests :
2021-12-18 17:25:44.193 INFO 7056 --- [main] .s.d.r.c.RepositoryConfigurationDelegate :
2021-12-18 17:25:44.334 INFO 7056 --- [main] .s.d.r.c.RepositoryConfigurationDelegate :
2021-12-18 17:25:46.592 INFO 7056 --- [main] o.hibernate.jpa.internal.util.LogHelper :
2021-12-18 17:25:46.835 INFO 7056 --- [main] org.hibernate.Version :
2021-12-18 17:25:47.699 INFO 7056 --- [main] o.hibernate.annotations.common.Version :
2021-12-18 17:25:48.479 INFO 7056 --- [main] com.zaxxer.hikari.HikariDataSource :
2021-12-18 17:25:50.461 INFO 7056 --- [main] com.zaxxer.hikari.HikariDataSource :
2021-12-18 17:25:50.493 INFO 7056 --- [main] org.hibernate.dialect.Dialect :
2021-12-18 17:25:51.726 INFO 7056 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator :
m.internal.NoJtaPlatform]
2021-12-18 17:25:51.750 INFO 7056 --- [main] j.LocalContainerEntityManagerFactoryBean :
2021-12-18 17:25:53.487 WARN 7056 --- [main] JpaBaseConfiguration$JpaWebConfiguration :
d during view rendering. Explicitly configure spring.jpa.open-in-view to disable this warning
2021-12-18 17:25:53.794 WARN 7056 --- [main] o.s.security.core.userdetails.User :
for sample applications.
2021-12-18 17:25:54.072 WARN 7056 --- [main] o.s.security.core.userdetails.User :
for sample applications.
2021-12-18 17:25:54.583 INFO 7056 --- [main] o.s.s.web.DefaultSecurityFilterChain :
yncManagerIntegrationFilter@3cd28235, org.springframework.security.web.context.SecurityContextPersi
org.springframework.security.web.authentication.logout.LogoutFilter@2526d5f9, org.springframework
ork.security.web.savedrequest.RequestCacheAwareFilter@537a8915, org.springframework.security.web.se
. authentication.AnonymousAuthenticationFilter@75312c94, org.springframework.security.web.session.Se
nFilter@166d576b, org.springframework.security.web.access.intercept.FilterSecurityInterceptor@ff1a5
2021-12-18 17:25:56.940 INFO 7056 --- [main] s.trsis2021.lab3.Lab2ApplicationTests :
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 20.293 s - in suai.trsis2021
2021-12-18 17:25:57.443 INFO 7056 --- [ionShutdownHook] j.LocalContainerEntityManagerFactoryBean :
2021-12-18 17:25:57.443 INFO 7056 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource :
2021-12-18 17:25:57.483 INFO 7056 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource :
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] --- maven-jar-plugin:3.2.0:jar (default-jar) @ labs ---
[INFO]
[INFO] --- spring-boot-maven-plugin:2.5.5:repackage (repackage) @ labs ---
[INFO] Replacing main artifact with repackaged archive
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 01:00 min
[INFO] Finished at: 2021-12-18T17:26:07+03:00
[INFO] -----
```

```
jave -jar .\target\labs-0.0.1-SNAPSHOT.jar
```

```

=====|-----|=/(v2.5.5)
:: Spring Boot ::

2021-12-18 17:28:10.939 INFO 2296 --- [main] suai.trsis2021.labs.Lab4Application : 
96 (F:\Studies\SUAI_5sem\Server_Systems_Development_Technology\Lab_TessierAshpoule\lab4Docker\targe
ment_Technology\Lab_TessierAshpoule\lab4Docker)
2021-12-18 17:28:10.947 INFO 2296 --- [main] suai.trsis2021.labs.Lab4Application : 
2021-12-18 17:28:12.622 INFO 2296 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : 
2021-12-18 17:28:12.729 INFO 2296 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : 
2021-12-18 17:28:14.416 INFO 2296 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : 
2021-12-18 17:28:14.432 INFO 2296 --- [main] o.apache.catalina.core.StandardService : 
2021-12-18 17:28:14.432 INFO 2296 --- [main] org.apache.catalina.core.StandardEngine : 
2021-12-18 17:28:14.528 INFO 2296 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : 
2021-12-18 17:28:14.528 INFO 2296 --- [main] w.s.c.ServletWebServerApplicationContext : 
2021-12-18 17:28:14.921 INFO 2296 --- [main] o.hibernate.jpa.internal.util.LogHelper : 
2021-12-18 17:28:15.105 INFO 2296 --- [main] org.hibernate.Version : 
2021-12-18 17:28:15.421 INFO 2296 --- [main] o.hibernate.annotations.common.Version : 
2021-12-18 17:28:15.601 INFO 2296 --- [main] com.zaxxer.hikari.HikariDataSource : 
2021-12-18 17:28:16.034 INFO 2296 --- [main] com.zaxxer.hikari.HikariDataSource : 
2021-12-18 17:28:16.059 INFO 2296 --- [main] org.hibernate.dialect.Dialect : 
2021-12-18 17:28:17.313 INFO 2296 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : 
m.internal.NoJtaPlatform]
2021-12-18 17:28:17.329 INFO 2296 --- [main] j.LocalContainerEntityManagerFactoryBean : 
2021-12-18 17:28:18.662 WARN 2296 --- [main] JpaBaseConfiguration$JpaWebConfiguration : 
d during view rendering. Explicitly configure spring.jpa.open-in-view to disable this warning
2021-12-18 17:28:18.984 WARN 2296 --- [main] o.s.security.core.userdetails.User : 
for sample applications.
2021-12-18 17:28:19.144 WARN 2296 --- [main] o.s.security.core.userdetails.User : 
for sample applications.
2021-12-18 17:28:19.471 INFO 2296 --- [main] o.s.s.web.DefaultSecurityFilterChain : 
yncManagerIntegrationFilter@4a8a0099, org.springframework.security.web.context.SecurityContextPersi
org.springframework.security.web.authentication.logout.LogoutFilter@7eb200ce, org.springframework
ork.security.web.savedrequest.RequestCacheAwareFilter@949c598, org.springframework.security.web.ser
authentication.AnonymousAuthenticationFilter@7c1447b5, org.springframework.security.web.session.Ses
Filter@3a1706e1, org.springframework.security.web.access.intercept.FilterSecurityInterceptor@575c3e
2021-12-18 17:28:20.145 INFO 2296 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : 
2021-12-18 17:28:20.161 INFO 2296 --- [main] suai.trsis2021.labs.Lab4Application

```

В ходе выполнения лабораторной работы приложение было подготовлено к запуску в docker.