МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ РОССИЙСКОЙ ФЕДЕРАЦИИ

федеральное государственное автономное образовательное учреждение высшего образования

«САНКТ-ПЕТЕРБУРГСКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ АЭРОКОСМИЧЕСКОГО ПРИБОРОСТРОЕНИЯ»

ИНСТИТУТ ВЫЧИСЛИТЕЛЬНЫХ СИСТЕМ И ПРОГРАММИРОВАНИЯ

КАФЕДРА компьютерных технологий и программной инженерии

ОТЧЕТ
ЗАЩИЩЕН С ОЦЕНКОЙ

ПРЕПОДАВАТЕЛЬ

ассистент		Кочин Д.А.
должность, уч. степень, звание	подпись, дата	инициалы, фамилия

ОТЧЕТ О ЛАБОРАТОРНОЙ РАБОТЕ №8

«Разработка микросервиса»

по курсу: Технологии разработки серверных информационных систем

РАБОТУ ВЫПОЛНИЛ

СТУДЕНТ ГР. №	4932	18.12.21	Н.С. Иванов
		подпись, дата	инициалы, фамилия

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Цель работы

Изучение способов контейнеризации приложений. Подготовьте Ваше приложение к разворачиванию в облачном сервисе или компоненте Docker.

Задание:

Модифицируйте текст программы и pom файл так, чтобы строилось Ваше приложение из лабораторной работы номер 3. Убедитесь что оно по прежнему строится.

Вариант: 8. Учет трат в бюджете семьи.

Описание разрабатываемого продукта:

pom.xml (фрагмент)
```xml
<build>
    <plugins>
        <plugin>
            <!-- Build an executable JAR -->
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-jar-plugin</artifactId>
            <version>3.1.0</version>
            <configuration>
                <archive>
                    <manifest>
                        <addClasspath>true</addClasspath>
                        <classpathPrefix>lib/</classpathPrefix>

<mainClass>suai.trsis2021.lab4.Lab4Application</mainClass>
                    </manifest>
                </archive>
            </configuration>
        </plugin>
        <plugin>
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-compiler-plugin</artifactId>
        </plugin>
        <plugin>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-maven-plugin</artifactId>

            <!-- build docker image -->
            <executions>
              <execution>
                    <goals>
                        <goal>build-image</goal>
```

```
                    </goals>
                </execution>
            </executions>

        </plugin>
    </plugins>
</build>
```

application.yaml
```
spring:
  jpa:
    hibernate:
      ddl-auto: create-drop
    show-sql: true
    database-platform: org.hibernate.dialect.DerbyDialect
  datasource:
    url: jdbc:derby:memory:demo;create=true
    driver-class-name: org.apache.derby.jdbc.EmbeddedDriver
```

Dockerfile
```
FROM openjdk:11
ARG JAR_FILE=target/*.jar
COPY ${JAR_FILE} app.jar
ENTRYPOINT ["java","-jar","/app.jar"]
```

(Игнорируется при создании docker image, поскольку image создается с помощью плагина maven)

Maven packege

Без запущенного docker
```
C:\Users\limenitis\.jdks\openjdk-17.0.1\bin\java.exe "-
Dmaven.multiModuleProjectDirectory=D:\Projects\SUAI\Server_Systems_Developmen
t_Technology\Lab_Limenitiz\lab8-(6-Derby)" "-Dmaven.home=C:\Program
Files\JetBrains\IntelliJ IDEA 2020.2\plugins\maven\lib\maven3" "-
Dclassworlds.conf=C:\Program Files\JetBrains\IntelliJ IDEA
2020.2\plugins\maven\lib\maven3\bin\m2.conf" "-
Dmaven.ext.class.path=C:\Program Files\JetBrains\IntelliJ IDEA
2020.2\plugins\maven\lib\maven-event-listener.jar" "-javaagent:C:\Program
Files\JetBrains\IntelliJ IDEA 2020.2\lib\idea_rt.jar=58157:C:\Program
Files\JetBrains\IntelliJ IDEA 2020.2\bin" -Dfile.encoding=UTF-8 -classpath
"C:\Program Files\JetBrains\IntelliJ IDEA
2020.2\plugins\maven\lib\maven3\boot\plexus-classworlds-2.6.0.jar;C:\Program
Files\JetBrains\IntelliJ IDEA 2020.2\plugins\maven\lib\maven3\boot\plexus-
classworlds.license" org.codehaus.classworlds.Launcher -Didea.version=2021.3
package
[INFO] Scanning for projects...
[INFO]
```

```
[INFO] -----------------------< suai.trsis2021:lab6 >----------------------
--
[INFO] Building lab6 0.0.1-SNAPSHOT
[INFO] ------------------------------[ jar ]-------------------------------
--
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ lab6
---
[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 6 resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ lab6 ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 9 source files to
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\target\classes
[INFO]
/D:/Projects/SUAI/Server_Systems_Development_Technology/Lab_Limenitiz/lab8-
(6-Derby)/src/main/java/suai/trsis2021/lab4/util/WebSecurityConfig.java:
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\src\main\java\suai\trsis2021\lab4\util\WebSecurityConfig.java uses or
overrides a deprecated API.
[INFO]
/D:/Projects/SUAI/Server_Systems_Development_Technology/Lab_Limenitiz/lab8-
(6-Derby)/src/main/java/suai/trsis2021/lab4/util/WebSecurityConfig.java:
Recompile with -Xlint:deprecation for details.
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources)
@ lab6 ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @
lab6 ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ lab6 ---
[INFO]
[INFO] -------------------------------------------------------
[INFO]  T E S T S
[INFO] -------------------------------------------------------
[INFO] Running suai.trsis2021.lab3.Lab2ApplicationTests
```

14:25:43.683 [main] DEBUG org.springframework.test.context.BootstrapUtils -
Instantiating CacheAwareContextLoaderDelegate from class
[org.springframework.test.context.cache.DefaultCacheAwareContextLoaderDelegat
e]
14:25:43.712 [main] DEBUG org.springframework.test.context.BootstrapUtils -
Instantiating BootstrapContext using constructor [public
org.springframework.test.context.support.DefaultBootstrapContext(java.lang.Cl
ass,org.springframework.test.context.CacheAwareContextLoaderDelegate)]
14:25:43.776 [main] DEBUG org.springframework.test.context.BootstrapUtils -
Instantiating TestContextBootstrapper for test class
[suai.trsis2021.lab3.Lab2ApplicationTests] from class
[org.springframework.boot.test.context.SpringBootTestContextBootstrapper]
14:25:43.809 [main] INFO
org.springframework.boot.test.context.SpringBootTestContextBootstrapper -
Neither @ContextConfiguration nor @ContextHierarchy found for test class
[suai.trsis2021.lab3.Lab2ApplicationTests], using SpringBootContextLoader
14:25:43.824 [main] DEBUG
org.springframework.test.context.support.AbstractContextLoader - Did not
detect default resource location for test class
[suai.trsis2021.lab3.Lab2ApplicationTests]: class path resource
[suai/trsis2021/lab3/Lab2ApplicationTests-context.xml] does not exist
14:25:43.825 [main] DEBUG
org.springframework.test.context.support.AbstractContextLoader - Did not
detect default resource location for test class
[suai.trsis2021.lab3.Lab2ApplicationTests]: class path resource
[suai/trsis2021/lab3/Lab2ApplicationTestsContext.groovy] does not exist
14:25:43.825 [main] INFO
org.springframework.test.context.support.AbstractContextLoader - Could not
detect default resource locations for test class
[suai.trsis2021.lab3.Lab2ApplicationTests]: no resource found for suffixes {-
context.xml, Context.groovy}.
14:25:43.935 [main] DEBUG
org.springframework.test.context.support.ActiveProfilesUtils - Could not find
an 'annotation declaring class' for annotation type
[org.springframework.test.context.ActiveProfiles] and class
[suai.trsis2021.lab3.Lab2ApplicationTests]
14:25:44.266 [main] DEBUG
org.springframework.boot.test.context.SpringBootTestContextBootstrapper -
@TestExecutionListeners is not present for class
[suai.trsis2021.lab3.Lab2ApplicationTests]: using defaults.
14:25:44.267 [main] INFO
org.springframework.boot.test.context.SpringBootTestContextBootstrapper -
Loaded default TestExecutionListener class names from location [META-
INF/spring.factories]:
[org.springframework.boot.test.mock.mockito.MockitoTestExecutionListener,
org.springframework.boot.test.mock.mockito.ResetMocksTestExecutionListener,
org.springframework.boot.test.autoconfigure.restdocs.RestDocsTestExecutionLis
tener,
org.springframework.boot.test.autoconfigure.web.client.MockRestServiceServerR
esetTestExecutionListener,

```
org.springframework.boot.test.autoconfigure.web.servlet.MockMvcPrintOnlyOnFai
lureTestExecutionListener,
org.springframework.boot.test.autoconfigure.web.servlet.WebDriverTestExecutio
nListener,
org.springframework.boot.test.autoconfigure.webservices.client.MockWebService
ServerTestExecutionListener,
org.springframework.test.context.web.ServletTestExecutionListener,
org.springframework.test.context.support.DirtiesContextBeforeModesTestExecuti
onListener,
org.springframework.test.context.event.ApplicationEventsTestExecutionListener
,
org.springframework.test.context.support.DependencyInjectionTestExecutionList
ener,
org.springframework.test.context.support.DirtiesContextTestExecutionListener,
org.springframework.test.context.transaction.TransactionalTestExecutionListen
er, org.springframework.test.context.jdbc.SqlScriptsTestExecutionListener,
org.springframework.test.context.event.EventPublishingTestExecutionListener]
14:25:44.306 [main] INFO
org.springframework.boot.test.context.SpringBootTestContextBootstrapper -
Using TestExecutionListeners:
[org.springframework.test.context.web.ServletTestExecutionListener@28d18df5,
org.springframework.test.context.support.DirtiesContextBeforeModesTestExecuti
onListener@934b6cb,
org.springframework.test.context.event.ApplicationEventsTestExecutionListener
@55cf0d14,
org.springframework.boot.test.mock.mockito.MockitoTestExecutionListener@3b74a
c8,
org.springframework.boot.test.autoconfigure.SpringBootDependencyInjectionTest
ExecutionListener@27adc16e,
org.springframework.test.context.support.DirtiesContextTestExecutionListener@
b83a9be,
org.springframework.test.context.transaction.TransactionalTestExecutionListen
er@2609b277,
org.springframework.test.context.jdbc.SqlScriptsTestExecutionListener@1fd14d7
4,
org.springframework.test.context.event.EventPublishingTestExecutionListener@5
63e4951,
org.springframework.boot.test.mock.mockito.ResetMocksTestExecutionListener@40
66c471,
org.springframework.boot.test.autoconfigure.restdocs.RestDocsTestExecutionLis
tener@2b175c00,
org.springframework.boot.test.autoconfigure.web.client.MockRestServiceServerR
esetTestExecutionListener@3eb81efb,
org.springframework.boot.test.autoconfigure.web.servlet.MockMvcPrintOnlyOnFai
lureTestExecutionListener@1ae8bcbc,
org.springframework.boot.test.autoconfigure.web.servlet.WebDriverTestExecutio
nListener@6cdba6dc,
org.springframework.boot.test.autoconfigure.webservices.client.MockWebService
ServerTestExecutionListener@7d3d101b]
```

14:25:44.316 [main] DEBUG
org.springframework.test.context.support.AbstractDirtiesContextTestExecutionL
istener - Before test class: context [DefaultTestContext@6cb6decd testClass =
Lab2ApplicationTests, testInstance = [null], testMethod = [null],
testException = [null], mergedContextConfiguration =
[WebMergedContextConfiguration@c7045b9 testClass = Lab2ApplicationTests,
locations = '{}', classes = '{class suai.trsis2021.lab4.Lab4Application}',
contextInitializerClasses = '[]', activeProfiles = '{}',
propertySourceLocations = '{}', propertySourceProperties =
'{org.springframework.boot.test.context.SpringBootTestContextBootstrapper=tru
e}', contextCustomizers =
set[org.springframework.boot.test.context.filter.ExcludeFilterContextCustomiz
er@34f5090e,
org.springframework.boot.test.json.DuplicateJsonObjectContextCustomizerFactor
y$DuplicateJsonObjectContextCustomizer@1cbb87f3,
org.springframework.boot.test.mock.mockito.MockitoContextCustomizer@0,
org.springframework.boot.test.web.client.TestRestTemplateContextCustomizer@44
6293d,
org.springframework.boot.test.autoconfigure.actuate.metrics.MetricsExportCont
extCustomizerFactory$DisableMetricExportContextCustomizer@3059cbc,
org.springframework.boot.test.autoconfigure.properties.PropertyMappingContext
Customizer@0,
org.springframework.boot.test.autoconfigure.web.servlet.WebDriverContextCusto
mizerFactory$Customizer@fba92d3,
org.springframework.boot.test.context.SpringBootTestArgs@1,
org.springframework.boot.test.context.SpringBootTestWebEnvironment@6f195bc3],
resourceBasePath = 'src/main/webapp', contextLoader =
'org.springframework.boot.test.context.SpringBootContextLoader', parent =
[null]], attributes =
map['org.springframework.test.context.web.ServletTestExecutionListener.activa
teListener' -> true]], class annotated with @DirtiesContext [false] with mode
[null].
14:25:44.395 [main] DEBUG
org.springframework.test.context.support.TestPropertySourceUtils - Adding
inlined properties to environment: {spring.jmx.enabled=false,
org.springframework.boot.test.context.SpringBootTestContextBootstrapper=true}

```
  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_\/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::                (v2.5.5)
```

2021-12-19 14:25:45.080 INFO 20200 --- [main]
s.trsis2021.lab3.Lab2ApplicationTests   : Starting Lab2ApplicationTests
using Java 17.0.1 on matebookd14-win with PID 20200 (started by limenitis in
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby))

```
2021-12-19 14:25:45.086  INFO 20200 --- [           main]
s.trsis2021.lab3.Lab2ApplicationTests    : No active profile set, falling
back to default profiles: default
2021-12-19 14:25:46.669  INFO 20200 --- [           main]
.s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA
repositories in DEFAULT mode.
2021-12-19 14:25:46.826  INFO 20200 --- [           main]
.s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository
scanning in 133 ms. Found 1 JPA repository interfaces.
2021-12-19 14:25:48.552  INFO 20200 --- [           main]
o.hibernate.jpa.internal.util.LogHelper  : HHH000204: Processing
PersistenceUnitInfo [name: default]
2021-12-19 14:25:48.673  INFO 20200 --- [           main]
org.hibernate.Version                    : HHH000412: Hibernate ORM core
version 5.4.32.Final
2021-12-19 14:25:49.058  INFO 20200 --- [           main]
o.hibernate.annotations.common.Version   : HCANN000001: Hibernate Commons
Annotations {5.1.2.Final}
2021-12-19 14:25:49.439  INFO 20200 --- [           main]
com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Starting...
2021-12-19 14:25:49.449  WARN 20200 --- [           main]
com.zaxxer.hikari.util.DriverDataSource  : Registered driver with
driverClassName=org.apache.derby.jdbc.EmbeddedDriver was not found, trying
direct instantiation.
2021-12-19 14:25:50.181  INFO 20200 --- [           main]
com.zaxxer.hikari.pool.PoolBase          : HikariPool-1 - Driver does not
support get/set network timeout for connections. (Feature not implemented: No
details.)
2021-12-19 14:25:50.186  INFO 20200 --- [           main]
com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Start completed.
2021-12-19 14:25:50.231  INFO 20200 --- [           main]
org.hibernate.dialect.Dialect            : HHH000400: Using dialect:
org.hibernate.dialect.DerbyDialect
2021-12-19 14:25:50.244  WARN 20200 --- [           main]
org.hibernate.dialect.DerbyDialect       : HHH000430: The DerbyDialect
dialect has been deprecated; use one of the version-specific dialects instead
Hibernate: drop table cost_entity
2021-12-19 14:25:52.029  WARN 20200 --- [           main]
o.h.t.s.i.ExceptionHandlerLoggedImpl     : GenerationTarget encountered
exception accepting command : Error executing DDL "drop table cost_entity"
via JDBC Statement

org.hibernate.tool.schema.spi.CommandAcceptanceException: Error executing DDL
"drop table cost_entity" via JDBC Statement
     at
org.hibernate.tool.schema.internal.exec.GenerationTargetToDatabase.accept(Gen
erationTargetToDatabase.java:67) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
```

```
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.applySqlString(SchemaDro
pperImpl.java:375) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.applySqlStrings(SchemaDr
opperImpl.java:359) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.dropFromMetadata(SchemaD
ropperImpl.java:241) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.performDrop(SchemaDroppe
rImpl.java:154) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.doDrop(SchemaDropperImpl
.java:126) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.doDrop(SchemaDropperImpl
.java:112) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.spi.SchemaManagementToolCoordinator.performDatabase
Action(SchemaManagementToolCoordinator.java:145) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.spi.SchemaManagementToolCoordinator.process(SchemaM
anagementToolCoordinator.java:73) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.internal.SessionFactoryImpl.<init>(SessionFactoryImpl.java:318)
~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.boot.internal.SessionFactoryBuilderImpl.build(SessionFactoryBui
lderImpl.java:468) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.jpa.boot.internal.EntityManagerFactoryBuilderImpl.build(EntityM
anagerFactoryBuilderImpl.java:1259) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        at
org.springframework.orm.jpa.vendor.SpringHibernateJpaPersistenceProvider.crea
teContainerEntityManagerFactory(SpringHibernateJpaPersistenceProvider.java:58
) ~[spring-orm-5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean.createNati
veEntityManagerFactory(LocalContainerEntityManagerFactoryBean.java:365)
~[spring-orm-5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.AbstractEntityManagerFactoryBean.buildNativeEntit
yManagerFactory(AbstractEntityManagerFactoryBean.java:409) ~[spring-orm-
5.3.10.jar:5.3.10]
```

```
        at
org.springframework.orm.jpa.AbstractEntityManagerFactoryBean.afterPropertiesS
et(AbstractEntityManagerFactoryBean.java:396) ~[spring-orm-5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean.afterPrope
rtiesSet(LocalContainerEntityManagerFactoryBean.java:341) ~[spring-orm-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
invokeInitMethods(AbstractAutowireCapableBeanFactory.java:1863) ~[spring-
beans-5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
initializeBean(AbstractAutowireCapableBeanFactory.java:1800) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
doCreateBean(AbstractAutowireCapableBeanFactory.java:620) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
createBean(AbstractAutowireCapableBeanFactory.java:542) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractBeanFactory.lambda$doGetBea
n$0(AbstractBeanFactory.java:335) ~[spring-beans-5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSin
gleton(DefaultSingletonBeanRegistry.java:234) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(Abstr
actBeanFactory.java:333) ~[spring-beans-5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(Abstrac
tBeanFactory.java:208) ~[spring-beans-5.3.10.jar:5.3.10]
        at
org.springframework.context.support.AbstractApplicationContext.getBean(Abstra
ctApplicationContext.java:1154) ~[spring-context-5.3.10.jar:5.3.10]
        at
org.springframework.context.support.AbstractApplicationContext.finishBeanFact
oryInitialization(AbstractApplicationContext.java:908) ~[spring-context-
5.3.10.jar:5.3.10]
        at
org.springframework.context.support.AbstractApplicationContext.refresh(Abstra
ctApplicationContext.java:583) ~[spring-context-5.3.10.jar:5.3.10]
        at
org.springframework.boot.SpringApplication.refresh(SpringApplication.java:754
) ~[spring-boot-2.5.5.jar:2.5.5]
```

```
        at
org.springframework.boot.SpringApplication.refreshContext(SpringApplication.j
ava:434) ~[spring-boot-2.5.5.jar:2.5.5]
        at
org.springframework.boot.SpringApplication.run(SpringApplication.java:338)
~[spring-boot-2.5.5.jar:2.5.5]
        at
org.springframework.boot.test.context.SpringBootContextLoader.loadContext(Spr
ingBootContextLoader.java:123) ~[spring-boot-test-2.5.5.jar:2.5.5]
        at
org.springframework.test.context.cache.DefaultCacheAwareContextLoaderDelegate
.loadContextInternal(DefaultCacheAwareContextLoaderDelegate.java:99)
~[spring-test-5.3.10.jar:5.3.10]
        at
org.springframework.test.context.cache.DefaultCacheAwareContextLoaderDelegate
.loadContext(DefaultCacheAwareContextLoaderDelegate.java:124) ~[spring-test-
5.3.10.jar:5.3.10]
        at
org.springframework.test.context.support.DefaultTestContext.getApplicationCon
text(DefaultTestContext.java:124) ~[spring-test-5.3.10.jar:5.3.10]
        at
org.springframework.test.context.web.ServletTestExecutionListener.setUpReques
tContextIfNecessary(ServletTestExecutionListener.java:190) ~[spring-test-
5.3.10.jar:5.3.10]
        at
org.springframework.test.context.web.ServletTestExecutionListener.prepareTest
Instance(ServletTestExecutionListener.java:132) ~[spring-test-
5.3.10.jar:5.3.10]
        at
org.springframework.test.context.TestContextManager.prepareTestInstance(TestC
ontextManager.java:248) ~[spring-test-5.3.10.jar:5.3.10]
        at
org.springframework.test.context.junit.jupiter.SpringExtension.postProcessTes
tInstance(SpringExtension.java:138) ~[spring-test-5.3.10.jar:5.3.10]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.lambda$invokeTes
tInstancePostProcessors$6(ClassBasedTestDescriptor.java:350) ~[junit-jupiter-
engine-5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.executeAndMaskTh
rowable(ClassBasedTestDescriptor.java:355) ~[junit-jupiter-engine-
5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.lambda$invokeTes
tInstancePostProcessors$7(ClassBasedTestDescriptor.java:350) ~[junit-jupiter-
engine-5.7.2.jar:5.7.2]
        at
java.base/java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.jav
a:197) ~[na:na]
```

```
        at
java.base/java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.jav
a:179) ~[na:na]
        at
java.base/java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList
.java:1625) ~[na:na]
        at
java.base/java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:50
9) ~[na:na]
        at
java.base/java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.
java:499) ~[na:na]
        at
java.base/java.util.stream.StreamSpliterators$WrappingSpliterator.forEachRema
ining(StreamSpliterators.java:310) ~[na:na]
        at
java.base/java.util.stream.Streams$ConcatSpliterator.forEachRemaining(Streams
.java:735) ~[na:na]
        at
java.base/java.util.stream.Streams$ConcatSpliterator.forEachRemaining(Streams
.java:734) ~[na:na]
        at
java.base/java.util.stream.ReferencePipeline$Head.forEach(ReferencePipeline.j
ava:762) ~[na:na]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.invokeTestInstan
cePostProcessors(ClassBasedTestDescriptor.java:349) ~[junit-jupiter-engine-
5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.lambda$instantia
teAndPostProcessTestInstance$4(ClassBasedTestDescriptor.java:270) ~[junit-
jupiter-engine-5.7.2.jar:5.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.instantiateAndPo
stProcessTestInstance(ClassBasedTestDescriptor.java:269) ~[junit-jupiter-
engine-5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.lambda$testInsta
ncesProvider$2(ClassBasedTestDescriptor.java:259) ~[junit-jupiter-engine-
5.7.2.jar:5.7.2]
        at java.base/java.util.Optional.orElseGet(Optional.java:364) ~[na:na]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.lambda$testInsta
ncesProvider$3(ClassBasedTestDescriptor.java:258) ~[junit-jupiter-engine-
5.7.2.jar:5.7.2]
```

```
        at
org.junit.jupiter.engine.execution.TestInstancesProvider.getTestInstances(Tes
tInstancesProvider.java:31) ~[junit-jupiter-engine-5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.lambda$prepare$0
(TestMethodTestDescriptor.java:101) ~[junit-jupiter-engine-5.7.2.jar:5.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.prepare(TestMeth
odTestDescriptor.java:100) ~[junit-jupiter-engine-5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.prepare(TestMeth
odTestDescriptor.java:65) ~[junit-jupiter-engine-5.7.2.jar:5.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$prepare$1(
NodeTestTask.java:111) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.prepare(NodeTestT
ask.java:111) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestT
ask.java:79) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at java.base/java.util.ArrayList.forEach(ArrayList.java:1511) ~[na:na]
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExec
utorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:38)
~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$5(NodeTestTask.java:143) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$7(NodeTestTask.java:129) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.Node.around(Node.java:137)
~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$8(NodeTestTask.java:127) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
```

```
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursivel
y(NodeTestTask.java:126) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestT
ask.java:84) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at java.base/java.util.ArrayList.forEach(ArrayList.java:1511) ~[na:na]
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExec
utorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:38)
~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$5(NodeTestTask.java:143) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$7(NodeTestTask.java:129) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.Node.around(Node.java:137)
~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$8(NodeTestTask.java:127) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursivel
y(NodeTestTask.java:126) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestT
ask.java:84) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExec
utorService.submit(SameThreadHierarchicalTestExecutorService.java:32)
~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestExecutor.execu
te(HierarchicalTestExecutor.java:57) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestEngine.execute
(HierarchicalTestEngine.java:51) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java
:220) ~[junit-platform-launcher-1.3.1.jar:1.3.1]
```

```
        at
org.junit.platform.launcher.core.DefaultLauncher.lambda$execute$6(DefaultLaun
cher.java:188) ~[junit-platform-launcher-1.3.1.jar:1.3.1]
        at
org.junit.platform.launcher.core.DefaultLauncher.withInterceptedStreams(Defau
ltLauncher.java:202) ~[junit-platform-launcher-1.3.1.jar:1.3.1]
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java
:181) ~[junit-platform-launcher-1.3.1.jar:1.3.1]
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java
:128) ~[junit-platform-launcher-1.3.1.jar:1.3.1]
        at
org.apache.maven.surefire.junitplatform.JUnitPlatformProvider.invokeAllTests(
JUnitPlatformProvider.java:150) ~[surefire-junit-platform-2.22.2.jar:2.22.2]
        at
org.apache.maven.surefire.junitplatform.JUnitPlatformProvider.invoke(JUnitPla
tformProvider.java:124) ~[surefire-junit-platform-2.22.2.jar:2.22.2]
        at
org.apache.maven.surefire.booter.ForkedBooter.invokeProviderInSameClassLoader
(ForkedBooter.java:384) ~[surefire-booter-2.22.2.jar:2.22.2]
        at
org.apache.maven.surefire.booter.ForkedBooter.runSuitesInProcess(ForkedBooter
.java:345) ~[surefire-booter-2.22.2.jar:2.22.2]
        at
org.apache.maven.surefire.booter.ForkedBooter.execute(ForkedBooter.java:126)
~[surefire-booter-2.22.2.jar:2.22.2]
        at
org.apache.maven.surefire.booter.ForkedBooter.main(ForkedBooter.java:418)
~[surefire-booter-2.22.2.jar:2.22.2]
Caused by: java.sql.SQLSyntaxErrorException: Schema 'SA' does not exist
        at
org.apache.derby.impl.jdbc.SQLExceptionFactory.getSQLException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.Util.generateCsSQLException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.jdbc.TransactionResourceImpl.wrapInSQLException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.jdbc.TransactionResourceImpl.handleException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.EmbedConnection.handleException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.ConnectionChild.handleException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.EmbedStatement.execute(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.EmbedStatement.execute(Unknown Source)
~[derby-10.14.2.0.jar:na]
```

```
        at
com.zaxxer.hikari.pool.ProxyStatement.execute(ProxyStatement.java:94)
~[HikariCP-4.0.3.jar:na]
        at
com.zaxxer.hikari.pool.HikariProxyStatement.execute(HikariProxyStatement.java
) ~[HikariCP-4.0.3.jar:na]
        at
org.hibernate.tool.schema.internal.exec.GenerationTargetToDatabase.accept(Gen
erationTargetToDatabase.java:54) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        ... 100 common frames omitted
Caused by: org.apache.derby.iapi.error.StandardException: Schema 'SA' does
not exist
        at org.apache.derby.iapi.error.StandardException.newException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.iapi.error.StandardException.newException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.catalog.DataDictionaryImpl.getSchemaDescriptor(Unkn
own Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.iapi.sql.StatementUtil.getSchemaDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.QueryTreeNode.getSchemaDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.QueryTreeNode.getSchemaDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DDLStatementNode.justGetDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DDLStatementNode.getTableDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DDLStatementNode.getTableDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DropTableNode.bindStatement(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.sql.GenericStatement.prepMinion(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.sql.GenericStatement.prepare(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.conn.GenericLanguageConnectionContext.prepareIntern
alStatement(Unknown Source) ~[derby-10.14.2.0.jar:na]
        ... 105 common frames omitted
```

```
Hibernate: create table cost_entity (id bigint generated by default as
identity, category varchar(255), count integer, customer varchar(255), name
varchar(255), price integer, primary key (id))
2021-12-19 14:25:52.162  INFO 20200 --- [           main]
o.h.e.t.j.p.i.JtaPlatformInitiator      : HHH000490: Using JtaPlatform
implementation:
[org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2021-12-19 14:25:52.190  INFO 20200 --- [           main]
j.LocalContainerEntityManagerFactoryBean : Initialized JPA
EntityManagerFactory for persistence unit 'default'
2021-12-19 14:25:54.619  WARN 20200 --- [           main]
JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled
by default. Therefore, database queries may be performed during view
rendering. Explicitly configure spring.jpa.open-in-view to disable this
warning
2021-12-19 14:25:54.924  WARN 20200 --- [           main]
o.s.security.core.userdetails.User      : User.withDefaultPasswordEncoder()
is considered unsafe for production and is only intended for sample
applications.
2021-12-19 14:25:55.101  WARN 20200 --- [           main]
o.s.security.core.userdetails.User      : User.withDefaultPasswordEncoder()
is considered unsafe for production and is only intended for sample
applications.
2021-12-19 14:25:55.517  INFO 20200 --- [           main]
o.s.s.web.DefaultSecurityFilterChain     : Will secure any request with
[org.springframework.security.web.context.request.async.WebAsyncManagerIntegr
ationFilter@236f3885,
org.springframework.security.web.context.SecurityContextPersistenceFilter@5a9
ef32e, org.springframework.security.web.header.HeaderWriterFilter@445f6f73,
org.springframework.security.web.authentication.logout.LogoutFilter@2175d53f,
org.springframework.security.web.authentication.UsernamePasswordAuthenticatio
nFilter@443b6765,
org.springframework.security.web.savedrequest.RequestCacheAwareFilter@1a1f22f
2,
org.springframework.security.web.servletapi.SecurityContextHolderAwareRequest
Filter@63af52a6,
org.springframework.security.web.authentication.AnonymousAuthenticationFilter
@14ee143a,
org.springframework.security.web.session.SessionManagementFilter@1a05ff8e,
org.springframework.security.web.access.ExceptionTranslationFilter@237ee2e1,
org.springframework.security.web.access.intercept.FilterSecurityInterceptor@7
2c175f1]
2021-12-19 14:25:57.251  INFO 20200 --- [           main]
s.trsis2021.lab3.Lab2ApplicationTests    : Started Lab2ApplicationTests in
12.842 seconds (JVM running for 14.917)
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 14.128
s - in suai.trsis2021.lab3.Lab2ApplicationTests
2021-12-19 14:25:57.751  INFO 20200 --- [ionShutdownHook]
j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory
for persistence unit 'default'
```

```
2021-12-19 14:25:57.753  INFO 20200 --- [ionShutdownHook]
.SchemaDropperImpl$DelayedDropActionImpl : HHH000477: Starting delayed
evictData of schema as part of SessionFactory shut-down'
Hibernate: drop table cost_entity
2021-12-19 14:25:57.800  INFO 20200 --- [ionShutdownHook]
com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Shutdown
initiated...
2021-12-19 14:25:57.809  INFO 20200 --- [ionShutdownHook]
com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Shutdown completed.
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-jar-plugin:3.1.0:jar (default-jar) @ lab6 ---
[INFO] Building jar:
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\target\lab6-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot-maven-plugin:2.5.5:repackage (repackage) @ lab6 ---
[INFO] Replacing main artifact with repackaged archive
[INFO]
[INFO] >>> spring-boot-maven-plugin:2.5.5:build-image (default) > package @
lab6 >>>
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ lab6
---
[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 6 resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ lab6 ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 9 source files to
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\target\classes
[INFO]
/D:/Projects/SUAI/Server_Systems_Development_Technology/Lab_Limenitiz/lab8-
(6-Derby)/src/main/java/suai/trsis2021/lab4/util/WebSecurityConfig.java:
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\src\main\java\suai\trsis2021\lab4\util\WebSecurityConfig.java uses or
overrides a deprecated API.
[INFO]
/D:/Projects/SUAI/Server_Systems_Development_Technology/Lab_Limenitiz/lab8-
(6-Derby)/src/main/java/suai/trsis2021/lab4/util/WebSecurityConfig.java:
Recompile with -Xlint:deprecation for details.
[INFO]
```

```
[INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources)
@ lab6 ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @
lab6 ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ lab6 ---
[INFO] Skipping execution of surefire because it has already been run for
this configuration
[INFO]
[INFO] --- maven-jar-plugin:3.1.0:jar (default-jar) @ lab6 ---
[INFO] Building jar:
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\target\lab6-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot-maven-plugin:2.5.5:repackage (repackage) @ lab6 ---
[INFO] Replacing main artifact with repackaged archive
[INFO]
[INFO] <<< spring-boot-maven-plugin:2.5.5:build-image (default) < package @
lab6 <<<
[INFO]
[INFO]
[INFO] --- spring-boot-maven-plugin:2.5.5:build-image (default) @ lab6 ---
[INFO] Building image 'docker.io/library/lab6:0.0.1-SNAPSHOT'
[INFO]
[INFO] I/O exception (java.nio.file.NoSuchFileException) caught when
processing request to {}->docker://localhost:2376: \\.\pipe\docker_engine
[INFO] Retrying request to {}->docker://localhost:2376
[INFO] I/O exception (java.nio.file.NoSuchFileException) caught when
processing request to {}->docker://localhost:2376: \\.\pipe\docker_engine
[INFO] Retrying request to {}->docker://localhost:2376
[INFO] I/O exception (java.nio.file.NoSuchFileException) caught when
processing request to {}->docker://localhost:2376: \\.\pipe\docker_engine
[INFO] Retrying request to {}->docker://localhost:2376
[INFO]  > Pulling builder image 'docker.io/paketobuildpacks/builder:base'
100%
[INFO] ------------------------------------------------------------------------
[INFO] BUILD FAILURE
[INFO] ------------------------------------------------------------------------
```

```
[INFO] Total time:  37.979 s
[INFO] Finished at: 2021-12-19T14:26:09+03:00
[INFO] ------------------------------------------------------------------------
--
[ERROR] Failed to execute goal org.springframework.boot:spring-boot-maven-
plugin:2.5.5:build-image (default) on project lab6: Execution default of goal
org.springframework.boot:spring-boot-maven-plugin:2.5.5:build-image failed:
Connection to the Docker daemon at 'localhost' failed with error
"\\.\pipe\docker_engine"; ensure the Docker daemon is running and accessible
-> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e
switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please
read the following articles:
[ERROR] [Help 1]
http://cwiki.apache.org/confluence/display/MAVEN/PluginExecutionException

Process finished with exit code 1
```

С запущенным docker

```
C:\Users\limenitis\.jdks\openjdk-17.0.1\bin\java.exe "-
Dmaven.multiModuleProjectDirectory=D:\Projects\SUAI\Server_Systems_Developmen
t_Technology\Lab_Limenitiz\lab8-(6-Derby)" "-Dmaven.home=C:\Program
Files\JetBrains\IntelliJ IDEA 2020.2\plugins\maven\lib\maven3" "-
Dclassworlds.conf=C:\Program Files\JetBrains\IntelliJ IDEA
2020.2\plugins\maven\lib\maven3\bin\m2.conf" "-
Dmaven.ext.class.path=C:\Program Files\JetBrains\IntelliJ IDEA
2020.2\plugins\maven\lib\maven-event-listener.jar" "-javaagent:C:\Program
Files\JetBrains\IntelliJ IDEA 2020.2\lib\idea_rt.jar=57755:C:\Program
Files\JetBrains\IntelliJ IDEA 2020.2\bin" -Dfile.encoding=UTF-8 -classpath
"C:\Program Files\JetBrains\IntelliJ IDEA
2020.2\plugins\maven\lib\maven3\boot\plexus-classworlds-2.6.0.jar;C:\Program
Files\JetBrains\IntelliJ IDEA 2020.2\plugins\maven\lib\maven3\boot\plexus-
classworlds.license" org.codehaus.classworlds.Launcher -Didea.version=2021.3
package
[INFO] Scanning for projects...
[INFO]
[INFO] ----------------------< suai.trsis2021:lab6 >----------------------
--
[INFO] Building lab6 0.0.1-SNAPSHOT
[INFO] --------------------------------[ jar ]--------------------------------
--
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ lab6
---
[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 6 resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ lab6 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources)
@ lab6 ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @
lab6 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ lab6 ---
[INFO]
[INFO] -------------------------------------------------------
[INFO]  T E S T S
[INFO] -------------------------------------------------------
[INFO] Running suai.trsis2021.lab3.Lab2ApplicationTests
14:32:02.797 [main] DEBUG org.springframework.test.context.BootstrapUtils -
Instantiating CacheAwareContextLoaderDelegate from class
[org.springframework.test.context.cache.DefaultCacheAwareContextLoaderDelegat
e]
14:32:02.825 [main] DEBUG org.springframework.test.context.BootstrapUtils -
Instantiating BootstrapContext using constructor [public
org.springframework.test.context.support.DefaultBootstrapContext(java.lang.Cl
ass,org.springframework.test.context.CacheAwareContextLoaderDelegate)]
14:32:02.912 [main] DEBUG org.springframework.test.context.BootstrapUtils -
Instantiating TestContextBootstrapper for test class
[suai.trsis2021.lab3.Lab2ApplicationTests] from class
[org.springframework.boot.test.context.SpringBootTestContextBootstrapper]
14:32:02.943 [main] INFO
org.springframework.boot.test.context.SpringBootTestContextBootstrapper -
Neither @ContextConfiguration nor @ContextHierarchy found for test class
[suai.trsis2021.lab3.Lab2ApplicationTests], using SpringBootContextLoader
14:32:02.950 [main] DEBUG
org.springframework.test.context.support.AbstractContextLoader - Did not
detect default resource location for test class
[suai.trsis2021.lab3.Lab2ApplicationTests]: class path resource
[suai/trsis2021/lab3/Lab2ApplicationTests-context.xml] does not exist
14:32:02.951 [main] DEBUG
org.springframework.test.context.support.AbstractContextLoader - Did not
detect default resource location for test class
[suai.trsis2021.lab3.Lab2ApplicationTests]: class path resource
[suai/trsis2021/lab3/Lab2ApplicationTestsContext.groovy] does not exist
```

```
14:32:02.952 [main] INFO
org.springframework.test.context.support.AbstractContextLoader - Could not
detect default resource locations for test class
[suai.trsis2021.lab3.Lab2ApplicationTests]: no resource found for suffixes {-
context.xml, Context.groovy}.
14:32:03.051 [main] DEBUG
org.springframework.test.context.support.ActiveProfilesUtils - Could not find
an 'annotation declaring class' for annotation type
[org.springframework.test.context.ActiveProfiles] and class
[suai.trsis2021.lab3.Lab2ApplicationTests]
14:32:03.385 [main] DEBUG
org.springframework.boot.test.context.SpringBootTestContextBootstrapper -
@TestExecutionListeners is not present for class
[suai.trsis2021.lab3.Lab2ApplicationTests]: using defaults.
14:32:03.386 [main] INFO
org.springframework.boot.test.context.SpringBootTestContextBootstrapper -
Loaded default TestExecutionListener class names from location [META-
INF/spring.factories]:
[org.springframework.boot.test.mock.mockito.MockitoTestExecutionListener,
org.springframework.boot.test.mock.mockito.ResetMocksTestExecutionListener,
org.springframework.boot.test.autoconfigure.restdocs.RestDocsTestExecutionLis
tener,
org.springframework.boot.test.autoconfigure.web.client.MockRestServiceServerR
esetTestExecutionListener,
org.springframework.boot.test.autoconfigure.web.servlet.MockMvcPrintOnlyOnFai
lureTestExecutionListener,
org.springframework.boot.test.autoconfigure.web.servlet.WebDriverTestExecutio
nListener,
org.springframework.boot.test.autoconfigure.webservices.client.MockWebService
ServerTestExecutionListener,
org.springframework.test.context.web.ServletTestExecutionListener,
org.springframework.test.context.support.DirtiesContextBeforeModesTestExecuti
onListener,
org.springframework.test.context.event.ApplicationEventsTestExecutionListener
,
org.springframework.test.context.support.DependencyInjectionTestExecutionList
ener,
org.springframework.test.context.support.DirtiesContextTestExecutionListener,
org.springframework.test.context.transaction.TransactionalTestExecutionListen
er, org.springframework.test.context.jdbc.SqlScriptsTestExecutionListener,
org.springframework.test.context.event.EventPublishingTestExecutionListener]
14:32:03.420 [main] INFO
org.springframework.boot.test.context.SpringBootTestContextBootstrapper -
Using TestExecutionListeners:
[org.springframework.test.context.web.ServletTestExecutionListener@28d18df5,
org.springframework.test.context.support.DirtiesContextBeforeModesTestExecuti
onListener@934b6cb,
org.springframework.test.context.event.ApplicationEventsTestExecutionListener
@55cf0d14,
org.springframework.boot.test.mock.mockito.MockitoTestExecutionListener@3b74a
```

```
c8,
org.springframework.boot.test.autoconfigure.SpringBootDependencyInjectionTest
ExecutionListener@27adc16e,
org.springframework.test.context.support.DirtiesContextTestExecutionListener@
b83a9be,
org.springframework.test.context.transaction.TransactionalTestExecutionListen
er@2609b277,
org.springframework.test.context.jdbc.SqlScriptsTestExecutionListener@1fd14d7
4,
org.springframework.test.context.event.EventPublishingTestExecutionListener@5
63e4951,
org.springframework.boot.test.mock.mockito.ResetMocksTestExecutionListener@40
66c471,
org.springframework.boot.test.autoconfigure.restdocs.RestDocsTestExecutionLis
tener@2b175c00,
org.springframework.boot.test.autoconfigure.web.client.MockRestServiceServerR
esetTestExecutionListener@3eb81efb,
org.springframework.boot.test.autoconfigure.web.servlet.MockMvcPrintOnlyOnFai
lureTestExecutionListener@1ae8bcbc,
org.springframework.boot.test.autoconfigure.web.servlet.WebDriverTestExecutio
nListener@6cdba6dc,
org.springframework.boot.test.autoconfigure.webservices.client.MockWebService
ServerTestExecutionListener@7d3d101b]
14:32:03.429 [main] DEBUG
org.springframework.test.context.support.AbstractDirtiesContextTestExecutionL
istener - Before test class: context [DefaultTestContext@6cb6decd testClass =
Lab2ApplicationTests, testInstance = [null], testMethod = [null],
testException = [null], mergedContextConfiguration =
[WebMergedContextConfiguration@c7045b9 testClass = Lab2ApplicationTests,
locations = '{}', classes = '{class suai.trsis2021.lab4.Lab4Application}',
contextInitializerClasses = '[]', activeProfiles = '{}',
propertySourceLocations = '{}', propertySourceProperties =
'{org.springframework.boot.test.context.SpringBootTestContextBootstrapper=tru
e}', contextCustomizers =
set[org.springframework.boot.test.context.filter.ExcludeFilterContextCustomiz
er@34f5090e,
org.springframework.boot.test.json.DuplicateJsonObjectContextCustomizerFactor
y$DuplicateJsonObjectContextCustomizer@1cbb87f3,
org.springframework.boot.test.mock.mockito.MockitoContextCustomizer@0,
org.springframework.boot.test.web.client.TestRestTemplateContextCustomizer@44
6293d,
org.springframework.boot.test.autoconfigure.actuate.metrics.MetricsExportCont
extCustomizerFactory$DisableMetricExportContextCustomizer@3059cbc,
org.springframework.boot.test.autoconfigure.properties.PropertyMappingContext
Customizer@0,
org.springframework.boot.test.autoconfigure.web.servlet.WebDriverContextCusto
mizerFactory$Customizer@fba92d3,
org.springframework.boot.test.context.SpringBootTestArgs@1,
org.springframework.boot.test.context.SpringBootTestWebEnvironment@6f195bc3],
resourceBasePath = 'src/main/webapp', contextLoader =
```

'org.springframework.boot.test.context.SpringBootContextLoader', parent =
[null]], attributes =
map['org.springframework.test.context.web.ServletTestExecutionListener.activa
teListener' -> true]], class annotated with @DirtiesContext [false] with mode
[null].
14:32:03.530 [main] DEBUG
org.springframework.test.context.support.TestPropertySourceUtils - Adding
inlined properties to environment: {spring.jmx.enabled=false,
org.springframework.boot.test.context.SpringBootTestContextBootstrapper=true}

```
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 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::                (v2.5.5)
```

2021-12-19 14:32:04.433 INFO 7696 --- [main]
s.trsis2021.lab3.Lab2ApplicationTests   : Starting Lab2ApplicationTests
using Java 17.0.1 on matebookd14-win with PID 7696 (started by limenitis in
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby))
2021-12-19 14:32:04.438 INFO 7696 --- [main]
s.trsis2021.lab3.Lab2ApplicationTests   : No active profile set, falling
back to default profiles: default
2021-12-19 14:32:06.141 INFO 7696 --- [main]
.s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA
repositories in DEFAULT mode.
2021-12-19 14:32:06.291 INFO 7696 --- [main]
.s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository
scanning in 125 ms. Found 1 JPA repository interfaces.
2021-12-19 14:32:08.211 INFO 7696 --- [main]
o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing
PersistenceUnitInfo [name: default]
2021-12-19 14:32:08.358 INFO 7696 --- [main]
org.hibernate.Version   : HHH000412: Hibernate ORM core
version 5.4.32.Final
2021-12-19 14:32:08.773 INFO 7696 --- [main]
o.hibernate.annotations.common.Version   : HCANN000001: Hibernate Commons
Annotations {5.1.2.Final}
2021-12-19 14:32:09.196 INFO 7696 --- [main]
com.zaxxer.hikari.HikariDataSource   : HikariPool-1 - Starting...
2021-12-19 14:32:09.208 WARN 7696 --- [main]
com.zaxxer.hikari.util.DriverDataSource : Registered driver with
driverClassName=org.apache.derby.jdbc.EmbeddedDriver was not found, trying
direct instantiation.
2021-12-19 14:32:10.152 INFO 7696 --- [main]
com.zaxxer.hikari.pool.PoolBase   : HikariPool-1 - Driver does not

support get/set network timeout for connections. (Feature not implemented: No details.)
2021-12-19 14:32:10.159 INFO 7696 --- [main]
com.zaxxer.hikari.HikariDataSource   : HikariPool-1 - Start completed.
2021-12-19 14:32:10.206 INFO 7696 --- [main]
org.hibernate.dialect.Dialect   : HHH000400: Using dialect:
org.hibernate.dialect.DerbyDialect
2021-12-19 14:32:10.218 WARN 7696 --- [main]
org.hibernate.dialect.DerbyDialect   : HHH000430: The DerbyDialect
dialect has been deprecated; use one of the version-specific dialects instead
Hibernate: drop table cost_entity
2021-12-19 14:32:11.944 WARN 7696 --- [main]
o.h.t.s.i.ExceptionHandlerLoggedImpl   : GenerationTarget encountered
exception accepting command : Error executing DDL "drop table cost_entity"
via JDBC Statement

org.hibernate.tool.schema.spi.CommandAcceptanceException: Error executing DDL
"drop table cost_entity" via JDBC Statement
      at
org.hibernate.tool.schema.internal.exec.GenerationTargetToDatabase.accept(Gen
erationTargetToDatabase.java:67) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
      at
org.hibernate.tool.schema.internal.SchemaDropperImpl.applySqlString(SchemaDro
pperImpl.java:375) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
      at
org.hibernate.tool.schema.internal.SchemaDropperImpl.applySqlStrings(SchemaDr
opperImpl.java:359) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
      at
org.hibernate.tool.schema.internal.SchemaDropperImpl.dropFromMetadata(SchemaD
ropperImpl.java:241) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
      at
org.hibernate.tool.schema.internal.SchemaDropperImpl.performDrop(SchemaDroppe
rImpl.java:154) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
      at
org.hibernate.tool.schema.internal.SchemaDropperImpl.doDrop(SchemaDropperImpl
.java:126) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
      at
org.hibernate.tool.schema.internal.SchemaDropperImpl.doDrop(SchemaDropperImpl
.java:112) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
      at
org.hibernate.tool.schema.spi.SchemaManagementToolCoordinator.performDatabase
Action(SchemaManagementToolCoordinator.java:145) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
      at
org.hibernate.tool.schema.spi.SchemaManagementToolCoordinator.process(SchemaM
anagementToolCoordinator.java:73) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]

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        at
org.hibernate.internal.SessionFactoryImpl.<init>(SessionFactoryImpl.java:318)
~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.boot.internal.SessionFactoryBuilderImpl.build(SessionFactoryBui
lderImpl.java:468) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.jpa.boot.internal.EntityManagerFactoryBuilderImpl.build(EntityM
anagerFactoryBuilderImpl.java:1259) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        at
org.springframework.orm.jpa.vendor.SpringHibernateJpaPersistenceProvider.crea
teContainerEntityManagerFactory(SpringHibernateJpaPersistenceProvider.java:58
) ~[spring-orm-5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean.createNati
veEntityManagerFactory(LocalContainerEntityManagerFactoryBean.java:365)
~[spring-orm-5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.AbstractEntityManagerFactoryBean.buildNativeEntit
yManagerFactory(AbstractEntityManagerFactoryBean.java:409) ~[spring-orm-
5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.AbstractEntityManagerFactoryBean.afterPropertiesS
et(AbstractEntityManagerFactoryBean.java:396) ~[spring-orm-5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean.afterPrope
rtiesSet(LocalContainerEntityManagerFactoryBean.java:341) ~[spring-orm-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
invokeInitMethods(AbstractAutowireCapableBeanFactory.java:1863) ~[spring-
beans-5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
initializeBean(AbstractAutowireCapableBeanFactory.java:1800) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
doCreateBean(AbstractAutowireCapableBeanFactory.java:620) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
createBean(AbstractAutowireCapableBeanFactory.java:542) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractBeanFactory.lambda$doGetBea
n$0(AbstractBeanFactory.java:335) ~[spring-beans-5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSin
```

gleton(DefaultSingletonBeanRegistry.java:234) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(Abstr
actBeanFactory.java:333) ~[spring-beans-5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(Abstrac
tBeanFactory.java:208) ~[spring-beans-5.3.10.jar:5.3.10]
        at
org.springframework.context.support.AbstractApplicationContext.getBean(Abstra
ctApplicationContext.java:1154) ~[spring-context-5.3.10.jar:5.3.10]
        at
org.springframework.context.support.AbstractApplicationContext.finishBeanFact
oryInitialization(AbstractApplicationContext.java:908) ~[spring-context-
5.3.10.jar:5.3.10]
        at
org.springframework.context.support.AbstractApplicationContext.refresh(Abstra
ctApplicationContext.java:583) ~[spring-context-5.3.10.jar:5.3.10]
        at
org.springframework.boot.SpringApplication.refresh(SpringApplication.java:754
) ~[spring-boot-2.5.5.jar:2.5.5]
        at
org.springframework.boot.SpringApplication.refreshContext(SpringApplication.j
ava:434) ~[spring-boot-2.5.5.jar:2.5.5]
        at
org.springframework.boot.SpringApplication.run(SpringApplication.java:338)
~[spring-boot-2.5.5.jar:2.5.5]
        at
org.springframework.boot.test.context.SpringBootContextLoader.loadContext(Spr
ingBootContextLoader.java:123) ~[spring-boot-test-2.5.5.jar:2.5.5]
        at
org.springframework.test.context.cache.DefaultCacheAwareContextLoaderDelegate
.loadContextInternal(DefaultCacheAwareContextLoaderDelegate.java:99)
~[spring-test-5.3.10.jar:5.3.10]
        at
org.springframework.test.context.cache.DefaultCacheAwareContextLoaderDelegate
.loadContext(DefaultCacheAwareContextLoaderDelegate.java:124) ~[spring-test-
5.3.10.jar:5.3.10]
        at
org.springframework.test.context.support.DefaultTestContext.getApplicationCon
text(DefaultTestContext.java:124) ~[spring-test-5.3.10.jar:5.3.10]
        at
org.springframework.test.context.web.ServletTestExecutionListener.setUpReques
tContextIfNecessary(ServletTestExecutionListener.java:190) ~[spring-test-
5.3.10.jar:5.3.10]
        at
org.springframework.test.context.web.ServletTestExecutionListener.prepareTest
Instance(ServletTestExecutionListener.java:132) ~[spring-test-
5.3.10.jar:5.3.10]

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        at
org.springframework.test.context.TestContextManager.prepareTestInstance(TestC
ontextManager.java:248) ~[spring-test-5.3.10.jar:5.3.10]
        at
org.springframework.test.context.junit.jupiter.SpringExtension.postProcessTes
tInstance(SpringExtension.java:138) ~[spring-test-5.3.10.jar:5.3.10]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.lambda$invokeTes
tInstancePostProcessors$6(ClassBasedTestDescriptor.java:350) ~[junit-jupiter-
engine-5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.executeAndMaskTh
rowable(ClassBasedTestDescriptor.java:355) ~[junit-jupiter-engine-
5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.lambda$invokeTes
tInstancePostProcessors$7(ClassBasedTestDescriptor.java:350) ~[junit-jupiter-
engine-5.7.2.jar:5.7.2]
        at
java.base/java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.jav
a:197) ~[na:na]
        at
java.base/java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.jav
a:179) ~[na:na]
        at
java.base/java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList
.java:1625) ~[na:na]
        at
java.base/java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:50
9) ~[na:na]
        at
java.base/java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.
java:499) ~[na:na]
        at
java.base/java.util.stream.StreamSpliterators$WrappingSpliterator.forEachRema
ining(StreamSpliterators.java:310) ~[na:na]
        at
java.base/java.util.stream.Streams$ConcatSpliterator.forEachRemaining(Streams
.java:735) ~[na:na]
        at
java.base/java.util.stream.Streams$ConcatSpliterator.forEachRemaining(Streams
.java:734) ~[na:na]
        at
java.base/java.util.stream.ReferencePipeline$Head.forEach(ReferencePipeline.j
ava:762) ~[na:na]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.invokeTestInstan
cePostProcessors(ClassBasedTestDescriptor.java:349) ~[junit-jupiter-engine-
5.7.2.jar:5.7.2]
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        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.lambda$instantia
teAndPostProcessTestInstance$4(ClassBasedTestDescriptor.java:270) ~[junit-
jupiter-engine-5.7.2.jar:5.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.instantiateAndPo
stProcessTestInstance(ClassBasedTestDescriptor.java:269) ~[junit-jupiter-
engine-5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.lambda$testInsta
ncesProvider$2(ClassBasedTestDescriptor.java:259) ~[junit-jupiter-engine-
5.7.2.jar:5.7.2]
        at java.base/java.util.Optional.orElseGet(Optional.java:364) ~[na:na]
        at
org.junit.jupiter.engine.descriptor.ClassBasedTestDescriptor.lambda$testInsta
ncesProvider$3(ClassBasedTestDescriptor.java:258) ~[junit-jupiter-engine-
5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.execution.TestInstancesProvider.getTestInstances(Tes
tInstancesProvider.java:31) ~[junit-jupiter-engine-5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.lambda$prepare$0
(TestMethodTestDescriptor.java:101) ~[junit-jupiter-engine-5.7.2.jar:5.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.prepare(TestMeth
odTestDescriptor.java:100) ~[junit-jupiter-engine-5.7.2.jar:5.7.2]
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.prepare(TestMeth
odTestDescriptor.java:65) ~[junit-jupiter-engine-5.7.2.jar:5.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$prepare$1(
NodeTestTask.java:111) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.prepare(NodeTestT
ask.java:111) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestT
ask.java:79) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at java.base/java.util.ArrayList.forEach(ArrayList.java:1511) ~[na:na]
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExec
```

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utorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:38)
~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$5(NodeTestTask.java:143) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$7(NodeTestTask.java:129) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.Node.around(Node.java:137)
~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$8(NodeTestTask.java:127) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursivel
y(NodeTestTask.java:126) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestT
ask.java:84) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at java.base/java.util.ArrayList.forEach(ArrayList.java:1511) ~[na:na]
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExec
utorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:38)
~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$5(NodeTestTask.java:143) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$7(NodeTestTask.java:129) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.Node.around(Node.java:137)
~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRec
ursively$8(NodeTestTask.java:127) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(Thr
owableCollector.java:73) ~[junit-platform-engine-1.7.2.jar:1.7.2]
```

```
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursivel
y(NodeTestTask.java:126) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestT
ask.java:84) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExec
utorService.submit(SameThreadHierarchicalTestExecutorService.java:32)
~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestExecutor.execu
te(HierarchicalTestExecutor.java:57) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestEngine.execute
(HierarchicalTestEngine.java:51) ~[junit-platform-engine-1.7.2.jar:1.7.2]
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java
:220) ~[junit-platform-launcher-1.3.1.jar:1.3.1]
        at
org.junit.platform.launcher.core.DefaultLauncher.lambda$execute$6(DefaultLaun
cher.java:188) ~[junit-platform-launcher-1.3.1.jar:1.3.1]
        at
org.junit.platform.launcher.core.DefaultLauncher.withInterceptedStreams(Defau
ltLauncher.java:202) ~[junit-platform-launcher-1.3.1.jar:1.3.1]
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java
:181) ~[junit-platform-launcher-1.3.1.jar:1.3.1]
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java
:128) ~[junit-platform-launcher-1.3.1.jar:1.3.1]
        at
org.apache.maven.surefire.junitplatform.JUnitPlatformProvider.invokeAllTests(
JUnitPlatformProvider.java:150) ~[surefire-junit-platform-2.22.2.jar:2.22.2]
        at
org.apache.maven.surefire.junitplatform.JUnitPlatformProvider.invoke(JUnitPla
tformProvider.java:124) ~[surefire-junit-platform-2.22.2.jar:2.22.2]
        at
org.apache.maven.surefire.booter.ForkedBooter.invokeProviderInSameClassLoader
(ForkedBooter.java:384) ~[surefire-booter-2.22.2.jar:2.22.2]
        at
org.apache.maven.surefire.booter.ForkedBooter.runSuitesInProcess(ForkedBooter
.java:345) ~[surefire-booter-2.22.2.jar:2.22.2]
        at
org.apache.maven.surefire.booter.ForkedBooter.execute(ForkedBooter.java:126)
~[surefire-booter-2.22.2.jar:2.22.2]
        at
org.apache.maven.surefire.booter.ForkedBooter.main(ForkedBooter.java:418)
~[surefire-booter-2.22.2.jar:2.22.2]
Caused by: java.sql.SQLSyntaxErrorException: Schema 'SA' does not exist
```

```
        at
org.apache.derby.impl.jdbc.SQLExceptionFactory.getSQLException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.Util.generateCsSQLException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.jdbc.TransactionResourceImpl.wrapInSQLException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.jdbc.TransactionResourceImpl.handleException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.EmbedConnection.handleException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.ConnectionChild.handleException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.EmbedStatement.execute(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.EmbedStatement.execute(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at
com.zaxxer.hikari.pool.ProxyStatement.execute(ProxyStatement.java:94)
~[HikariCP-4.0.3.jar:na]
        at
com.zaxxer.hikari.pool.HikariProxyStatement.execute(HikariProxyStatement.java
) ~[HikariCP-4.0.3.jar:na]
        at
org.hibernate.tool.schema.internal.exec.GenerationTargetToDatabase.accept(Gen
erationTargetToDatabase.java:54) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        ... 100 common frames omitted
Caused by: org.apache.derby.iapi.error.StandardException: Schema 'SA' does
not exist
        at org.apache.derby.iapi.error.StandardException.newException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.iapi.error.StandardException.newException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.catalog.DataDictionaryImpl.getSchemaDescriptor(Unkn
own Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.iapi.sql.StatementUtil.getSchemaDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.QueryTreeNode.getSchemaDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.QueryTreeNode.getSchemaDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DDLStatementNode.justGetDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
```

```
        at
org.apache.derby.impl.sql.compile.DDLStatementNode.getTableDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DDLStatementNode.getTableDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DropTableNode.bindStatement(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.sql.GenericStatement.prepMinion(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.sql.GenericStatement.prepare(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.conn.GenericLanguageConnectionContext.prepareIntern
alStatement(Unknown Source) ~[derby-10.14.2.0.jar:na]
        ... 105 common frames omitted

Hibernate: create table cost_entity (id bigint generated by default as
identity, category varchar(255), count integer, customer varchar(255), name
varchar(255), price integer, primary key (id))
2021-12-19 14:32:12.023  INFO 7696 --- [           main]
o.h.e.t.j.p.i.JtaPlatformInitiator       : HHH000490: Using JtaPlatform
implementation:
[org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2021-12-19 14:32:12.047  INFO 7696 --- [           main]
j.LocalContainerEntityManagerFactoryBean : Initialized JPA
EntityManagerFactory for persistence unit 'default'
2021-12-19 14:32:13.291  WARN 7696 --- [           main]
JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled
by default. Therefore, database queries may be performed during view
rendering. Explicitly configure spring.jpa.open-in-view to disable this
warning
2021-12-19 14:32:13.496  WARN 7696 --- [           main]
o.s.security.core.userdetails.User       : User.withDefaultPasswordEncoder()
is considered unsafe for production and is only intended for sample
applications.
2021-12-19 14:32:13.676  WARN 7696 --- [           main]
o.s.security.core.userdetails.User       : User.withDefaultPasswordEncoder()
is considered unsafe for production and is only intended for sample
applications.
2021-12-19 14:32:14.145  INFO 7696 --- [           main]
o.s.s.web.DefaultSecurityFilterChain     : Will secure any request with
[org.springframework.security.web.context.request.async.WebAsyncManagerIntegr
ationFilter@71817f66,
org.springframework.security.web.context.SecurityContextPersistenceFilter@10a
e002e, org.springframework.security.web.header.HeaderWriterFilter@4e782401,
org.springframework.security.web.authentication.logout.LogoutFilter@5a010eec,
org.springframework.security.web.authentication.UsernamePasswordAuthenticatio
nFilter@21b2579d,
```

```
org.springframework.security.web.savedrequest.RequestCacheAwareFilter@44e7c06
b,
org.springframework.security.web.servletapi.SecurityContextHolderAwareRequest
Filter@3c5bb37d,
org.springframework.security.web.authentication.AnonymousAuthenticationFilter
@68feca3a,
org.springframework.security.web.session.SessionManagementFilter@52d434c1,
org.springframework.security.web.access.ExceptionTranslationFilter@4965454c,
org.springframework.security.web.access.intercept.FilterSecurityInterceptor@4
ef277ef]
2021-12-19 14:32:15.814  INFO 7696 --- [           main]
s.trsis2021.lab3.Lab2ApplicationTests    : Started Lab2ApplicationTests in
12.271 seconds (JVM running for 14.42)
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 13.583
s - in suai.trsis2021.lab3.Lab2ApplicationTests
2021-12-19 14:32:16.317  INFO 7696 --- [ionShutdownHook]
j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory
for persistence unit 'default'
2021-12-19 14:32:16.318  INFO 7696 --- [ionShutdownHook]
.SchemaDropperImpl$DelayedDropActionImpl : HHH000477: Starting delayed
evictData of schema as part of SessionFactory shut-down'
Hibernate: drop table cost_entity
2021-12-19 14:32:16.352  INFO 7696 --- [ionShutdownHook]
com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Shutdown
initiated...
2021-12-19 14:32:16.357  INFO 7696 --- [ionShutdownHook]
com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Shutdown completed.
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-jar-plugin:3.1.0:jar (default-jar) @ lab6 ---
[INFO]
[INFO] --- spring-boot-maven-plugin:2.5.5:repackage (repackage) @ lab6 ---
[INFO] Replacing main artifact with repackaged archive
[INFO]
[INFO] >>> spring-boot-maven-plugin:2.5.5:build-image (default) > package @
lab6 >>>
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ lab6
---
[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 6 resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ lab6 ---
[INFO] Nothing to compile - all classes are up to date
```

```
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources)
@ lab6 ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory
D:\Projects\SUAI\Server_Systems_Development_Technology\Lab_Limenitiz\lab8-(6-
Derby)\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @
lab6 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ lab6 ---
[INFO] Skipping execution of surefire because it has already been run for
this configuration
[INFO]
[INFO] --- maven-jar-plugin:3.1.0:jar (default-jar) @ lab6 ---
[INFO]
[INFO] --- spring-boot-maven-plugin:2.5.5:repackage (repackage) @ lab6 ---
[INFO] Replacing main artifact with repackaged archive
[INFO]
[INFO] <<< spring-boot-maven-plugin:2.5.5:build-image (default) < package @
lab6 <<<
[INFO]
[INFO]
[INFO] --- spring-boot-maven-plugin:2.5.5:build-image (default) @ lab6 ---
[INFO] Building image 'docker.io/library/lab6:0.0.1-SNAPSHOT'
[INFO]
[INFO]  > Pulling builder image 'docker.io/paketobuildpacks/builder:base'
100%
[INFO]  > Pulled builder image
'paketobuildpacks/builder@sha256:976ad2c0e1ce93fd207331a6ac2fa822a1344f4bf45d
36221a37bd0cc06a91b2'
[INFO]  > Pulling run image 'docker.io/paketobuildpacks/run:base-cnb' 100%
[INFO]  > Pulled run image
'paketobuildpacks/run@sha256:50c74ebc95c169ea54ee4650d39d3c71d0fc738a3f0ad89b
23d646cfd9ea36f2'
[INFO]  > Executing lifecycle version v0.13.2
[INFO]  > Using build cache volume 'pack-cache-41e27c9ebf00.build'
[INFO]
[INFO]  > Running creator
[INFO]      [creator]     ===> DETECTING
[INFO]      [creator]     6 of 19 buildpacks participating
[INFO]      [creator]     paketo-buildpacks/ca-certificates   3.0.1
[INFO]      [creator]     paketo-buildpacks/bellsoft-liberica 9.0.1
[INFO]      [creator]     paketo-buildpacks/syft               1.3.0
[INFO]      [creator]     paketo-buildpacks/executable-jar     6.0.1
[INFO]      [creator]     paketo-buildpacks/dist-zip           5.0.1
[INFO]      [creator]     paketo-buildpacks/spring-boot        5.2.0
```

```
[INFO]     [creator]     ===> ANALYZING
[INFO]     [creator]     Previous image with name
"docker.io/library/lab6:0.0.1-SNAPSHOT" not found
[INFO]     [creator]     Restoring metadata for "paketo-buildpacks/syft:syft"
from cache
[INFO]     [creator]     ===> RESTORING
[INFO]     [creator]     Restoring data for "paketo-buildpacks/syft:syft"
from cache
[INFO]     [creator]     ===> BUILDING
[INFO]     [creator]
[INFO]     [creator]     Paketo CA Certificates Buildpack 3.0.1
[INFO]     [creator]       https://github.com/paketo-buildpacks/ca-
certificates
[INFO]     [creator]       Launch Helper: Contributing to layer
[INFO]     [creator]         Creating /layers/paketo-buildpacks_ca-
certificates/helper/exec.d/ca-certificates-helper
[INFO]     [creator]
[INFO]     [creator]     Paketo BellSoft Liberica Buildpack 9.0.1
[INFO]     [creator]       https://github.com/paketo-buildpacks/bellsoft-
liberica
[INFO]     [creator]       Build Configuration:
[INFO]     [creator]         $BP_JVM_TYPE                 JRE          the
JVM type - JDK or JRE
[INFO]     [creator]         $BP_JVM_VERSION              11.*         the
Java version
[INFO]     [creator]       Launch Configuration:
[INFO]     [creator]         $BPL_DEBUG_ENABLED           false
enables Java remote debugging support
[INFO]     [creator]         $BPL_DEBUG_PORT              8000
configure the remote debugging port
[INFO]     [creator]         $BPL_DEBUG_SUSPEND           false
configure whether to suspend execution until a debugger has attached
[INFO]     [creator]         $BPL_HEAP_DUMP_PATH
write heap dumps on error to this path
[INFO]     [creator]         $BPL_JAVA_NMT_ENABLED        true
enables Java Native Memory Tracking (NMT)
[INFO]     [creator]         $BPL_JAVA_NMT_LEVEL          summary
configure level of NMT, summary or detail
[INFO]     [creator]         $BPL_JFR_ARGS
configure custom Java Flight Recording (JFR) arguments
[INFO]     [creator]         $BPL_JFR_ENABLED             false
enables Java Flight Recording (JFR)
[INFO]     [creator]         $BPL_JMX_ENABLED             false
enables Java Management Extensions (JMX)
[INFO]     [creator]         $BPL_JMX_PORT                5000
configure the JMX port
[INFO]     [creator]         $BPL_JVM_HEAD_ROOM           0            the
headroom in memory calculation
[INFO]     [creator]         $BPL_JVM_LOADED_CLASS_COUNT  35% of classes  the
number of loaded classes in memory calculation
```

```
[INFO]    [creator]            $BPL_JVM_THREAD_COUNT        250              the
number of threads in memory calculation
[INFO]    [creator]            $JAVA_TOOL_OPTIONS                             the
JVM launch flags
[INFO]    [creator]         BellSoft Liberica JRE 11.0.13: Contributing to
layer
[INFO]    [creator]         Downloading from https://github.com/bell-
sw/Liberica/releases/download/11.0.13+8/bellsoft-jre11.0.13+8-linux-
amd64.tar.gz
[INFO]    [creator]         Verifying checksum
[INFO]    [creator]         Expanding to /layers/paketo-buildpacks_bellsoft-
liberica/jre
[INFO]    [creator]         Adding 128 container CA certificates to JVM
truststore
[INFO]    [creator]         Writing env.launch/BPI_APPLICATION_PATH.default
[INFO]    [creator]         Writing env.launch/BPI_JVM_CACERTS.default
[INFO]    [creator]         Writing env.launch/BPI_JVM_CLASS_COUNT.default
[INFO]    [creator]         Writing
env.launch/BPI_JVM_SECURITY_PROVIDERS.default
[INFO]    [creator]         Writing env.launch/JAVA_HOME.default
[INFO]    [creator]         Writing env.launch/JAVA_TOOL_OPTIONS.append
[INFO]    [creator]         Writing env.launch/JAVA_TOOL_OPTIONS.delim
[INFO]    [creator]         Writing env.launch/MALLOC_ARENA_MAX.default
[INFO]    [creator]       Launch Helper: Contributing to layer
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/active-processor-count
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/java-opts
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/jvm-heap
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/link-local-dns
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/memory-calculator
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/openssl-certificate-loader
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/security-providers-configurer
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/jmx
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/jfr
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/nmt
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/security-providers-classpath-9
[INFO]    [creator]         Creating /layers/paketo-buildpacks_bellsoft-
liberica/helper/exec.d/debug-9
[INFO]    [creator]       Java Security Properties: Contributing to layer
```

```
[INFO]     [creator]        Writing
env.launch/JAVA_SECURITY_PROPERTIES.default
[INFO]     [creator]            Writing env.launch/JAVA_TOOL_OPTIONS.append
[INFO]     [creator]            Writing env.launch/JAVA_TOOL_OPTIONS.delim
[INFO]     [creator]
[INFO]     [creator]        Paketo Syft Buildpack 1.3.0
[INFO]     [creator]          https://github.com/paketo-buildpacks/syft
[INFO]     [creator]
[INFO]     [creator]        Paketo Executable JAR Buildpack 6.0.1
[INFO]     [creator]          https://github.com/paketo-buildpacks/executable-
jar
[INFO]     [creator]          Class Path: Contributing to layer
[INFO]     [creator]            Writing env/CLASSPATH.delim
[INFO]     [creator]            Writing env/CLASSPATH.prepend
[INFO]     [creator]          Process types:
[INFO]     [creator]            executable-jar: java
org.springframework.boot.loader.JarLauncher (direct)
[INFO]     [creator]            task:        java
org.springframework.boot.loader.JarLauncher (direct)
[INFO]     [creator]            web:         java
org.springframework.boot.loader.JarLauncher (direct)
[INFO]     [creator]
[INFO]     [creator]        Paketo Spring Boot Buildpack 5.2.0
[INFO]     [creator]          https://github.com/paketo-buildpacks/spring-boot
[INFO]     [creator]          Creating slices from layers index
[INFO]     [creator]            dependencies
[INFO]     [creator]            spring-boot-loader
[INFO]     [creator]            snapshot-dependencies
[INFO]     [creator]            application
[INFO]     [creator]          Launch Helper: Contributing to layer
[INFO]     [creator]            Creating /layers/paketo-buildpacks_spring-
boot/helper/exec.d/spring-cloud-bindings
[INFO]     [creator]          Spring Cloud Bindings 1.8.0: Contributing to layer
[INFO]     [creator]            Downloading from
https://repo.spring.io/release/org/springframework/cloud/spring-cloud-
bindings/1.8.0/spring-cloud-bindings-1.8.0.jar
[INFO]     [creator]            Verifying checksum
[INFO]     [creator]            Copying to /layers/paketo-buildpacks_spring-
boot/spring-cloud-bindings
[INFO]     [creator]          Web Application Type: Contributing to layer
[INFO]     [creator]            Servlet web application detected
[INFO]     [creator]            Writing env.launch/BPL_JVM_THREAD_COUNT.default
[INFO]     [creator]          4 application slices
[INFO]     [creator]          Image labels:
[INFO]     [creator]            org.opencontainers.image.title
[INFO]     [creator]            org.opencontainers.image.version
[INFO]     [creator]            org.springframework.boot.version
[INFO]     [creator]        ===> EXPORTING
[INFO]     [creator]        Adding layer 'paketo-buildpacks/ca-
certificates:helper'
```

```
[INFO]    [creator]      Adding layer 'paketo-buildpacks/bellsoft-
liberica:helper'
[INFO]    [creator]      Adding layer 'paketo-buildpacks/bellsoft-
liberica:java-security-properties'
[INFO]    [creator]      Adding layer 'paketo-buildpacks/bellsoft-
liberica:jre'
[INFO]    [creator]      Adding layer 'paketo-buildpacks/executable-
jar:classpath'
[INFO]    [creator]      Adding layer 'paketo-buildpacks/spring-boot:helper'
[INFO]    [creator]      Adding layer 'paketo-buildpacks/spring-boot:spring-
cloud-bindings'
[INFO]    [creator]      Adding layer 'paketo-buildpacks/spring-boot:web-
application-type'
[INFO]    [creator]      Adding 5/5 app layer(s)
[INFO]    [creator]      Adding layer 'launcher'
[INFO]    [creator]      Adding layer 'config'
[INFO]    [creator]      Adding layer 'process-types'
[INFO]    [creator]      Adding label 'io.buildpacks.lifecycle.metadata'
[INFO]    [creator]      Adding label 'io.buildpacks.build.metadata'
[INFO]    [creator]      Adding label 'io.buildpacks.project.metadata'
[INFO]    [creator]      Adding label 'org.opencontainers.image.title'
[INFO]    [creator]      Adding label 'org.opencontainers.image.version'
[INFO]    [creator]      Adding label 'org.springframework.boot.version'
[INFO]    [creator]      Setting default process type 'web'
[INFO]    [creator]      Saving docker.io/library/lab6:0.0.1-SNAPSHOT...
[INFO]    [creator]      *** Images (343472d05b95):
[INFO]    [creator]            docker.io/library/lab6:0.0.1-SNAPSHOT
[INFO]    [creator]      Reusing cache layer 'paketo-buildpacks/syft:syft'
[INFO]
[INFO] Successfully built image 'docker.io/library/lab6:0.0.1-SNAPSHOT'
[INFO]
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  01:24 min
[INFO] Finished at: 2021-12-19T14:33:21+03:00
[INFO] ------------------------------------------------------------------------

Process finished with exit code 0
```

Создание и запуск контейнера
```
docker run -p 8080:8080 lab6:0.0.1-SNAPSHOT
```


```
Setting Active Processor Count to 8
```

```
Calculating JVM memory based on 4484440K available memory
Calculated JVM Memory Configuration: -XX:MaxDirectMemorySize=10M -Xmx3857211K
-XX:MaxMetaspaceSize=115228K -XX:ReservedCodeCacheSize=240M -Xss1M (Total
Memory: 4484440K, Thread Count: 250, Loaded Class Count: 17930, Headroom: 0%)
Enabling Java Native Memory Tracking
Adding 128 container CA certificates to JVM truststore
Spring Cloud Bindings Enabled
Picked up JAVA_TOOL_OPTIONS: -Djava.security.properties=/layers/paketo-
buildpacks_bellsoft-liberica/java-security-properties/java-
security.properties -XX:+ExitOnOutOfMemoryError -XX:ActiveProcessorCount=8 -
XX:MaxDirectMemorySize=10M -Xmx3857211K -XX:MaxMetaspaceSize=115228K -
XX:ReservedCodeCacheSize=240M -Xss1M -XX:+UnlockDiagnosticVMOptions -
XX:NativeMemoryTracking=summary -XX:+PrintNMTStatistics -
Dorg.springframework.cloud.bindings.boot.enable=true


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( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::                (v2.5.5)


2021-12-19 11:38:54.097  INFO 1 --- [           main]
suai.trsis2021.lab4.Lab4Application      : Starting Lab4Application v0.0.1-
SNAPSHOT using Java 11.0.13 on 971f902d651e with PID 1 (/workspace/BOOT-
INF/classes started by cnb in /workspace)
2021-12-19 11:38:54.105  INFO 1 --- [           main]
suai.trsis2021.lab4.Lab4Application      : No active profile set, falling
back to default profiles: default
2021-12-19 11:38:55.511  INFO 1 --- [           main]
.s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA
repositories in DEFAULT mode.
2021-12-19 11:38:55.632  INFO 1 --- [           main]
.s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository
scanning in 101 ms. Found 1 JPA repository interfaces.
2021-12-19 11:38:56.937  INFO 1 --- [           main]
o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initialized with port(s):
8080 (http)
2021-12-19 11:38:56.960  INFO 1 --- [           main]
o.apache.catalina.core.StandardService   : Starting service [Tomcat]
2021-12-19 11:38:56.961  INFO 1 --- [           main]
org.apache.catalina.core.StandardEngine  : Starting Servlet engine: [Apache
Tomcat/9.0.53]
2021-12-19 11:38:57.130  INFO 1 --- [           main]
o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring embedded
WebApplicationContext
2021-12-19 11:38:57.142  INFO 1 --- [           main]
w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext:
initialization completed in 2884 ms
```

```
2021-12-19 11:38:57.910  INFO 1 --- [          main]
o.hibernate.jpa.internal.util.LogHelper  : HHH000204: Processing
PersistenceUnitInfo [name: default]
2021-12-19 11:38:58.016  INFO 1 --- [          main] org.hibernate.Version
: HHH000412: Hibernate ORM core version 5.4.32.Final
2021-12-19 11:38:58.305  INFO 1 --- [          main]
o.hibernate.annotations.common.Version   : HCANN000001: Hibernate Commons
Annotations {5.1.2.Final}
2021-12-19 11:38:58.562  INFO 1 --- [          main]
com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Starting...
2021-12-19 11:38:58.576  WARN 1 --- [          main]
com.zaxxer.hikari.util.DriverDataSource  : Registered driver with
driverClassName=org.apache.derby.jdbc.EmbeddedDriver was not found, trying
direct instantiation.
2021-12-19 11:38:59.460  INFO 1 --- [          main]
com.zaxxer.hikari.pool.PoolBase          : HikariPool-1 - Driver does not
support get/set network timeout for connections. (Feature not implemented: No
details.)
2021-12-19 11:38:59.468  INFO 1 --- [          main]
com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Start completed.
2021-12-19 11:38:59.523  INFO 1 --- [          main]
org.hibernate.dialect.Dialect            : HHH000400: Using dialect:
org.hibernate.dialect.DerbyDialect
2021-12-19 11:38:59.543  WARN 1 --- [          main]
org.hibernate.dialect.DerbyDialect       : HHH000430: The DerbyDialect
dialect has been deprecated; use one of the version-specific dialects instead
Hibernate: drop table cost_entity
2021-12-19 11:39:01.537  WARN 1 --- [          main]
o.h.t.s.i.ExceptionHandlerLoggedImpl     : GenerationTarget encountered
exception accepting command : Error executing DDL "drop table cost_entity"
via JDBC Statement

org.hibernate.tool.schema.spi.CommandAcceptanceException: Error executing DDL
"drop table cost_entity" via JDBC Statement
        at
org.hibernate.tool.schema.internal.exec.GenerationTargetToDatabase.accept(Gen
erationTargetToDatabase.java:67) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.applySqlString(SchemaDro
pperImpl.java:375) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.applySqlStrings(SchemaDr
opperImpl.java:359) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.dropFromMetadata(SchemaD
ropperImpl.java:241) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.performDrop(SchemaDroppe
rImpl.java:154) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
```

```
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.doDrop(SchemaDropperImpl
.java:126) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.internal.SchemaDropperImpl.doDrop(SchemaDropperImpl
.java:112) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.spi.SchemaManagementToolCoordinator.performDatabase
Action(SchemaManagementToolCoordinator.java:145) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.tool.schema.spi.SchemaManagementToolCoordinator.process(SchemaM
anagementToolCoordinator.java:73) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.internal.SessionFactoryImpl.<init>(SessionFactoryImpl.java:318)
~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.boot.internal.SessionFactoryBuilderImpl.build(SessionFactoryBui
lderImpl.java:468) ~[hibernate-core-5.4.32.Final.jar:5.4.32.Final]
        at
org.hibernate.jpa.boot.internal.EntityManagerFactoryBuilderImpl.build(EntityM
anagerFactoryBuilderImpl.java:1259) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        at
org.springframework.orm.jpa.vendor.SpringHibernateJpaPersistenceProvider.crea
teContainerEntityManagerFactory(SpringHibernateJpaPersistenceProvider.java:58
) ~[spring-orm-5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean.createNati
veEntityManagerFactory(LocalContainerEntityManagerFactoryBean.java:365)
~[spring-orm-5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.AbstractEntityManagerFactoryBean.buildNativeEntit
yManagerFactory(AbstractEntityManagerFactoryBean.java:409) ~[spring-orm-
5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.AbstractEntityManagerFactoryBean.afterPropertiesS
et(AbstractEntityManagerFactoryBean.java:396) ~[spring-orm-5.3.10.jar:5.3.10]
        at
org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean.afterPrope
rtiesSet(LocalContainerEntityManagerFactoryBean.java:341) ~[spring-orm-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
invokeInitMethods(AbstractAutowireCapableBeanFactory.java:1863) ~[spring-
beans-5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
```

```
initializeBean(AbstractAutowireCapableBeanFactory.java:1800) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
doCreateBean(AbstractAutowireCapableBeanFactory.java:620) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.
createBean(AbstractAutowireCapableBeanFactory.java:542) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractBeanFactory.lambda$doGetBea
n$0(AbstractBeanFactory.java:335) ~[spring-beans-5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSin
gleton(DefaultSingletonBeanRegistry.java:234) ~[spring-beans-
5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(Abstr
actBeanFactory.java:333) ~[spring-beans-5.3.10.jar:5.3.10]
        at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(Abstrac
tBeanFactory.java:208) ~[spring-beans-5.3.10.jar:5.3.10]
        at
org.springframework.context.support.AbstractApplicationContext.getBean(Abstra
ctApplicationContext.java:1154) ~[spring-context-5.3.10.jar:5.3.10]
        at
org.springframework.context.support.AbstractApplicationContext.finishBeanFact
oryInitialization(AbstractApplicationContext.java:908) ~[spring-context-
5.3.10.jar:5.3.10]
        at
org.springframework.context.support.AbstractApplicationContext.refresh(Abstra
ctApplicationContext.java:583) ~[spring-context-5.3.10.jar:5.3.10]
        at
org.springframework.boot.web.servlet.context.ServletWebServerApplicationConte
xt.refresh(ServletWebServerApplicationContext.java:145) ~[spring-boot-
2.5.5.jar:2.5.5]
        at
org.springframework.boot.SpringApplication.refresh(SpringApplication.java:754
) ~[spring-boot-2.5.5.jar:2.5.5]
        at
org.springframework.boot.SpringApplication.refreshContext(SpringApplication.j
ava:434) ~[spring-boot-2.5.5.jar:2.5.5]
        at
org.springframework.boot.SpringApplication.run(SpringApplication.java:338)
~[spring-boot-2.5.5.jar:2.5.5]
        at
org.springframework.boot.SpringApplication.run(SpringApplication.java:1343)
~[spring-boot-2.5.5.jar:2.5.5]
```

at
org.springframework.boot.SpringApplication.run(SpringApplication.java:1332)
~[spring-boot-2.5.5.jar:2.5.5]
        at suai.trsis2021.lab4.Lab4Application.main(Lab4Application.java:10)
~[classes/:0.0.1-SNAPSHOT]
        at
java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native
Method) ~[na:na]
        at
java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(Unknown
Source) ~[na:na]
        at
java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(Unknown
Source) ~[na:na]
        at java.base/java.lang.reflect.Method.invoke(Unknown Source) ~[na:na]
        at
org.springframework.boot.loader.MainMethodRunner.run(MainMethodRunner.java:49
) ~[workspace/:na]
        at org.springframework.boot.loader.Launcher.launch(Launcher.java:108)
~[workspace/:na]
        at org.springframework.boot.loader.Launcher.launch(Launcher.java:58)
~[workspace/:na]
        at
org.springframework.boot.loader.JarLauncher.main(JarLauncher.java:88)
~[workspace/:na]
Caused by: java.sql.SQLSyntaxErrorException: Schema 'SA' does not exist
        at
org.apache.derby.impl.jdbc.SQLExceptionFactory.getSQLException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.Util.generateCsSQLException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.jdbc.TransactionResourceImpl.wrapInSQLException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.jdbc.TransactionResourceImpl.handleException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.EmbedConnection.handleException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.ConnectionChild.handleException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.EmbedStatement.execute(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.jdbc.EmbedStatement.execute(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at
com.zaxxer.hikari.pool.ProxyStatement.execute(ProxyStatement.java:94)
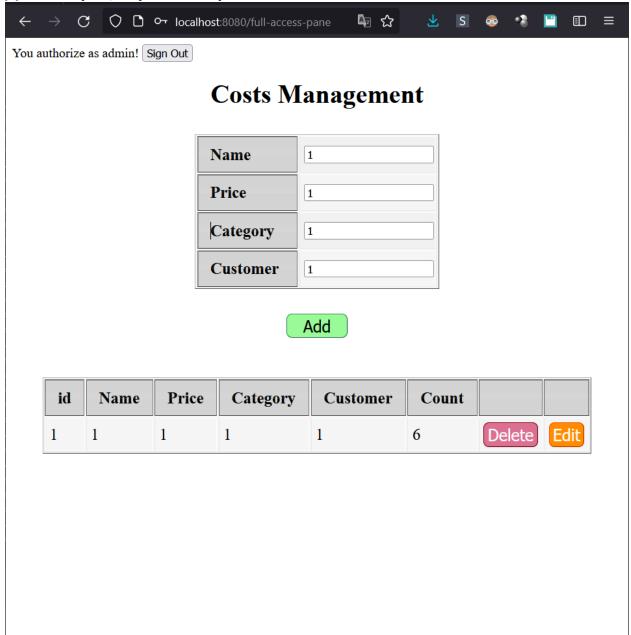~[HikariCP-4.0.3.jar:na]

```
        at
com.zaxxer.hikari.pool.HikariProxyStatement.execute(HikariProxyStatement.java
) ~[HikariCP-4.0.3.jar:na]
        at
org.hibernate.tool.schema.internal.exec.GenerationTargetToDatabase.accept(Gen
erationTargetToDatabase.java:54) ~[hibernate-core-
5.4.32.Final.jar:5.4.32.Final]
        ... 42 common frames omitted
Caused by: org.apache.derby.iapi.error.StandardException: Schema 'SA' does
not exist
        at org.apache.derby.iapi.error.StandardException.newException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.iapi.error.StandardException.newException(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.catalog.DataDictionaryImpl.getSchemaDescriptor(Unkn
own Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.iapi.sql.StatementUtil.getSchemaDescriptor(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.QueryTreeNode.getSchemaDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.QueryTreeNode.getSchemaDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DDLStatementNode.justGetDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DDLStatementNode.getTableDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DDLStatementNode.getTableDescriptor(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.compile.DropTableNode.bindStatement(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.sql.GenericStatement.prepMinion(Unknown
Source) ~[derby-10.14.2.0.jar:na]
        at org.apache.derby.impl.sql.GenericStatement.prepare(Unknown Source)
~[derby-10.14.2.0.jar:na]
        at
org.apache.derby.impl.sql.conn.GenericLanguageConnectionContext.prepareIntern
alStatement(Unknown Source) ~[derby-10.14.2.0.jar:na]
        ... 47 common frames omitted

Hibernate: create table cost_entity (id bigint generated by default as
identity, category varchar(255), count integer, customer varchar(255), name
varchar(255), price integer, primary key (id))
```

2021-12-19 11:39:01.635 INFO 1 --- [main]
o.h.e.t.j.p.i.JtaPlatformInitiator   : HHH000490: Using JtaPlatform
implementation:
[org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2021-12-19 11:39:01.661 INFO 1 --- [main]
j.LocalContainerEntityManagerFactoryBean : Initialized JPA
EntityManagerFactory for persistence unit 'default'
2021-12-19 11:39:02.967 WARN 1 --- [main]
JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled
by default. Therefore, database queries may be performed during view
rendering. Explicitly configure spring.jpa.open-in-view to disable this
warning
2021-12-19 11:39:03.174 WARN 1 --- [main]
o.s.security.core.userdetails.User   : User.withDefaultPasswordEncoder()
is considered unsafe for production and is only intended for sample
applications.
2021-12-19 11:39:03.427 WARN 1 --- [main]
o.s.security.core.userdetails.User   : User.withDefaultPasswordEncoder()
is considered unsafe for production and is only intended for sample
applications.
2021-12-19 11:39:03.783 INFO 1 --- [main]
o.s.s.web.DefaultSecurityFilterChain   : Will secure any request with
[org.springframework.security.web.context.request.async.WebAsyncManagerIntegr
ationFilter@3dc14f80,
org.springframework.security.web.context.SecurityContextPersistenceFilter@63c
cb1b2, org.springframework.security.web.header.HeaderWriterFilter@abe7d36,
org.springframework.security.web.authentication.logout.LogoutFilter@6bb71265,
org.springframework.security.web.authentication.UsernamePasswordAuthenticatio
nFilter@57abe94d,
org.springframework.security.web.savedrequest.RequestCacheAwareFilter@1b868ef
0,
org.springframework.security.web.servletapi.SecurityContextHolderAwareRequest
Filter@6018d82c,
org.springframework.security.web.authentication.AnonymousAuthenticationFilter
@627a890f,
org.springframework.security.web.session.SessionManagementFilter@740fccd2,
org.springframework.security.web.access.ExceptionTranslationFilter@7bbe532b,
org.springframework.security.web.access.intercept.FilterSecurityInterceptor@2
3e3a27f]
2021-12-19 11:39:04.758 INFO 1 --- [main]
o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080
(http) with context path ''
2021-12-19 11:39:04.789 INFO 1 --- [main]
suai.trsis2021.lab4.Lab4Application   : Started Lab4Application in 11.593
seconds (JVM running for 12.493)

Демонстрация работы приложения

Выводы

- Докер позволяет удобно конфигурировать рабочее пространство приложения и запускать его в нескольких экземплярах (в разных контейнерах)