

# Cheat Sheet Spring-Hibernate

Date: Jan 30, 2022;  
Time: 18:00;

Version  
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MySQL version: 8.0.23  
java version: 1.8.0\_271  
Eclipse IDE Version: 2021-12 (4.22.0)  
mysql-connector version: 8.0.16  
hibernate-core version: 5.4.10.Final

## New Maven Project

Group Id : org.apache.maven.archetypes  
Artifact Id : maven-archetype-quickstart  
Version : 1.1

## Hibernate Configuration File

DB Dialect : org.hibernate.dialect.MySQL8Dialect  
Driver Class : com.mysql.cj.jdbc.Driver  
Connection URL : jdbc:mysql://localhost:3306/<db-name>  
Username : root  
Password : apple

## pom.xml

```
<project>
  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.compiler.source>1.8</maven.compiler.source>
    <maven.compiler.target>1.8</maven.compiler.target>
  </properties>

  <dependencies>

    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1</version>
      <scope>test</scope>
    </dependency>

    <dependency>
      <groupId>org.springframework</groupId>
      <artifactId>spring-context</artifactId>
      <version>5.3.14</version>
    </dependency>

    <dependency>
      <groupId>org.springframework</groupId>
      <artifactId>spring-webmvc</artifactId>
      <version>5.3.14</version>
    </dependency>

    <dependency>
      <groupId>javax.servlet</groupId>
      <artifactId>jstl</artifactId>
      <version>1.2</version>
    </dependency>

    <dependency>
      <groupId>org.hibernate</groupId>
      <artifactId>hibernate-core</artifactId>
      <version>5.6.4.Final</version>
    </dependency>

    <dependency>
      <groupId>mysql</groupId>
      <artifactId>mysql-connector-java</artifactId>
      <version>8.0.16</version>
    </dependency>

    <dependency>
      <groupId>log4j</groupId>
      <artifactId>log4j</artifactId>
      <version>1.2.17</version>
    </dependency>

    <dependency>
      <groupId>org.projectlombok</groupId>
      <artifactId>lombok</artifactId>
      <version>1.18.22</version>
      <scope>provided</scope>
    </dependency>

  </dependencies>

  <build>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-war-plugin</artifactId>
        <version>3.3.1</version>
      </plugin>
    </plugins>
  </build>
</project>
```

```
</plugins>
<finalName>...</finalName>
</build>
</project>
```

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spring.xml

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```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<beans xmlns="http://www.springframework.org/schema/beans"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:context="http://www.springframework.org/schema/context"
  xsi:schemaLocation="http://www.springframework.org/schema/beans
    http://www.springframework.org/schema/beans/spring-beans-4.3.xsd
    http://www.springframework.org/schema/context
    http://www.springframework.org/schema/context/spring-context-4.3.xsd">

  <context:component-scan base-package="com.suji.spring.model"></context:component-scan>

  <bean id="car" class="com.suji.spring.model.Car">
    <property name="name" value="Tesla"></property>
    <constructor-arg value="BMW"></constructor-arg>
  </bean>

</beans>
```

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log4j.properties

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# Root logger details

log4j.rootLogger=INFO,stdout, file

# Redirect log messages to console

log4j.appender.stdout=org.apache.log4j.ConsoleAppender

log4j.appender.stdout.Target=System.out

log4j.appender.stdout.layout=org.apache.log4j.PatternLayout

log4j.appender.stdout.layout.ConversionPattern=[%p] %m%n

# Redirect log messages to a log file

log4j.appender.file=org.apache.log4j.FileAppender

log4j.appender.file.File=myapp.log

log4j.appender.file.layout=org.apache.log4j.PatternLayout

log4j.appender.file.layout.ConversionPattern=[%p] %m%n