SET UP A SPRING FRAMEWORK ENVIRONMENT

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

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-
4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com </groupId>
  <artifactId>SpringSetup</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <packaging>war</packaging>

  <name>SpringSetup Maven Webapp</name>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>

  <properties>
  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  <maven.compiler.source>1.7</maven.compiler.source>
  <maven.compiler.target>1.7</maven.compiler.target>
  </properties>

  <dependencies>

  <!-- https://mvnrepository.com/artifact/org.springframework/spring-core -->
  <dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-core</artifactId>
  <version>6.0.9</version>
  </dependency>

  <!--
  https://mvnrepository.com/artifact/org.springframework/spring-expression -->
  <dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-expression</artifactId>
  <version>6.0.6</version>
  </dependency>

  <!-- https://mvnrepository.com/artifact/org.springframework/spring-beans -->
  <dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-beans</artifactId>
  <version>6.0.4</version>
  </dependency>

  <!--
  https://mvnrepository.com/artifact/org.springframework/spring-context -->
  <dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-context</artifactId>
  <version>6.0.6</version>
  </dependency>

  <!--
  https://mvnrepository.com/artifact/org.springframework/spring-context-support -->
  <dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-context-support</artifactId>
```

```xml
        <version>6.0.6</version>
    </dependency>

    <!-- https://mvnrepository.com/artifact/org.springframework/spring-jdbc -->
    <dependency>
        <groupId>org.springframework</groupId>
        <artifactId>spring-jdbc</artifactId>
        <version>6.0.6</version>
    </dependency>

    <!-- https://mvnrepository.com/artifact/org.springframework/spring-orm -->
    <dependency>
        <groupId>org.springframework</groupId>
        <artifactId>spring-orm</artifactId>
        <version>6.0.6</version>
    </dependency>

    <!-- https://mvnrepository.com/artifact/org.springframework/spring-web -->
    <dependency>
        <groupId>org.springframework</groupId>
        <artifactId>spring-web</artifactId>
        <version>6.0.6</version>
    </dependency>

    <!--
    https://mvnrepository.com/artifact/org.springframework/spring-webmvc -->
    <dependency>
        <groupId>org.springframework</groupId>
        <artifactId>spring-webmvc</artifactId>
        <version>6.0.6</version>
    </dependency>


    <dependency>
        <groupId>junit</groupId>
        <artifactId>junit</artifactId>
        <version>4.11</version>
        <scope>test</scope>
    </dependency>

    <dependency>
        <groupId>taglibs</groupId>
        <artifactId>standard</artifactId>
        <version>1.1.2</version>
        <scope>runtime</scope>
    </dependency>

    <dependency>
        <groupId>commons-dbcp</groupId>
        <artifactId>commons-dbcp</artifactId>
        <version>1.4</version>
    </dependency>

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

    <dependency>
        <groupId>javax.persistence</groupId>
        <artifactId>persistence-api</artifactId>
        <version>1.0.2</version>
        <scope>provided</scope>
    </dependency>
```

```xml
		</dependencies>

		<build>
		<finalName>SpringSetup</finalName>
		<pluginManagement><!-- lock down plugins versions to avoid using Mavendefaults (may be moved to
		parent pom) -->
		<plugins>
		<plugin>
		<artifactId>maven-clean-plugin</artifactId>
		<version>3.1.0</version>
		</plugin>
		<!-- see
		http://maven.apache.org/ref/current/maven-core/default-bindings.html#Plugin_bindings_for_war_packaging -->
		<plugin>
		<artifactId>maven-resources-plugin</artifactId>
		<version>3.0.2</version>
		</plugin>
		<plugin>
		<artifactId>maven-compiler-plugin</artifactId>
		<version>3.8.0</version>
		</plugin>
		<plugin>
		<artifactId>maven-surefire-plugin</artifactId>
		<version>2.22.1</version>
		</plugin>
		<plugin>
		<artifactId>maven-war-plugin</artifactId>
		<version>3.2.2</version>
		</plugin>
		<plugin>
		<artifactId>maven-install-plugin</artifactId>
		<version>2.5.2</version>
		</plugin>
		<plugin>
		<artifactId>maven-deploy-plugin</artifactId>
		<version>2.8.2</version>
		</plugin>
		</plugins>
		</pluginManagement>
		  </build>
	 </project>
```
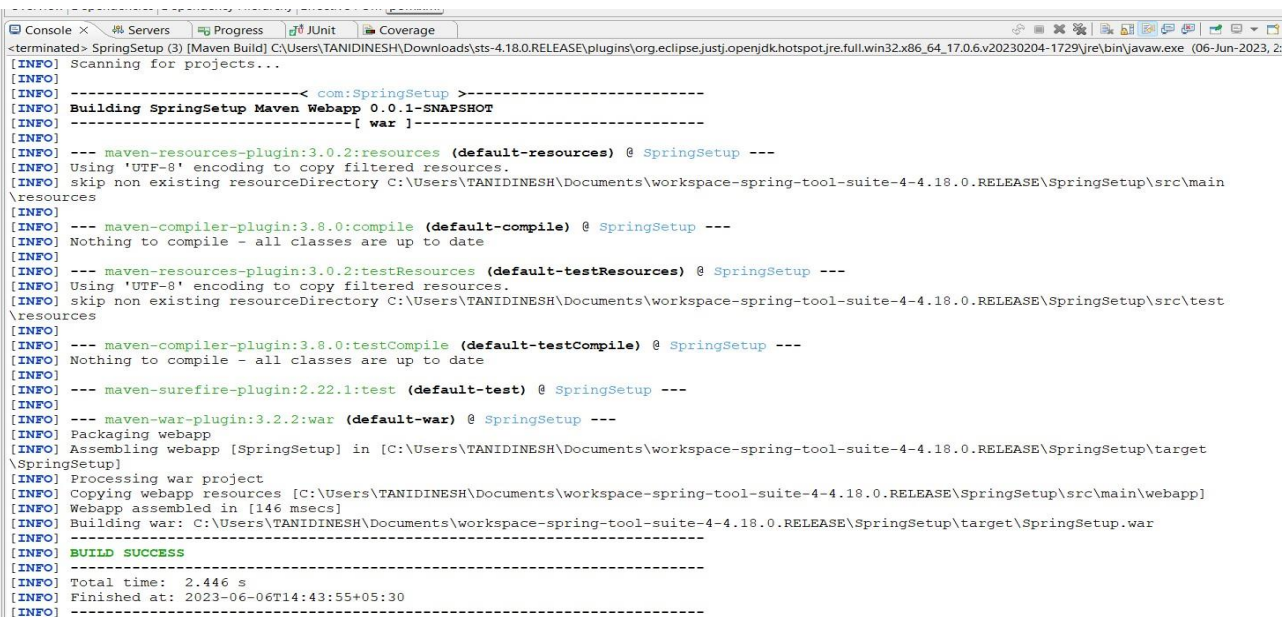
```
Console ×  Servers   Progress   JUnit   Coverage
<terminated> SpringSetup (3) [Maven Build] C:\Users\TANIDINESH\Downloads\sts-4.18.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe  (06-Jun-2023, 2:
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< com:SpringSetup >------------------------
[INFO] Building SpringSetup Maven Webapp 0.0.1-SNAPSHOT
[INFO] --------------------------------[ war ]---------------------------------
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ SpringSetup ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Users\TANIDINESH\Documents\workspace-spring-tool-suite-4-4.18.0.RELEASE\SpringSetup\src\main
\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ SpringSetup ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:testResources (default-testResources) @ SpringSetup ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Users\TANIDINESH\Documents\workspace-spring-tool-suite-4-4.18.0.RELEASE\SpringSetup\src\test
\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ SpringSetup ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.1:test (default-test) @ SpringSetup ---
[INFO]
[INFO] --- maven-war-plugin:3.2.2:war (default-war) @ SpringSetup ---
[INFO] Packaging webapp
[INFO] Assembling webapp [SpringSetup] in [C:\Users\TANIDINESH\Documents\workspace-spring-tool-suite-4-4.18.0.RELEASE\SpringSetup\target
\SpringSetup]
[INFO] Processing war project
[INFO] Copying webapp resources [C:\Users\TANIDINESH\Documents\workspace-spring-tool-suite-4-4.18.0.RELEASE\SpringSetup\src\main\webapp]
[INFO] Webapp assembled in [146 msecs]
[INFO] Building war: C:\Users\TANIDINESH\Documents\workspace-spring-tool-suite-4-4.18.0.RELEASE\SpringSetup\target\SpringSetup.war
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  2.446 s
[INFO] Finished at: 2023-06-06T14:43:55+05:30
[INFO] ------------------------------------------------------------------------
```

<terminated> SpringSetup (2) [Maven Build] C:\Users\TANIDINESH\Downloads\sts-4.18.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (06-Jun

```
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< com:SpringSetup >------------------------
[INFO] Building SpringSetup Maven Webapp 0.0.1-SNAPSHOT
[INFO] --------------------------------[ war ]--------------------------------
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ SpringSetup ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Users\TANIDINESH\Documents\workspace-spring-tool-suite-4-4.18.0.RELEASE\SpringSetup\src\main
\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ SpringSetup ---
[INFO] Nothing to compile - all classes are up to date
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  1.463 s
[INFO] Finished at: 2023-06-06T14:42:14+05:30
[INFO] ------------------------------------------------------------------------
```

Overview | Dependencies | Dependency Hierarchy | Effective POM | pom.xml

<terminated> C:\Users\TANIDINESH\Downloads\sts-4.18.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1

```
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< com:SpringSetup >------------------------
[INFO] Building SpringSetup Maven Webapp 0.0.1-SNAPSHOT
[INFO] --------------------------------[ war ]--------------------------------
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  0.102 s
[INFO] Finished at: 2023-06-06T14:36:54+05:30
[INFO] ------------------------------------------------------------------------
```