**Exercise 1: Create a Spring Web Project using Maven**

Follow steps below to create a project:

Go to https://start.spring.io/

Change Group as “com.cognizant”

Change Artifact Id as “spring-learn”

Select Spring Boot DevTools and Spring Web

Create and download the project as zip

Extract the zip in root folder to Eclipse Workspace

Build the project using ‘mvn clean package -Dhttp.proxyHost=proxy.cognizant.com -Dhttp.proxyPort=6050 -Dhttps.proxyHost=proxy.cognizant.com -Dhttps.proxyPort=6050 -Dhttp.proxyUser=123456’ command in command line

Import the project in Eclipse "File > Import > Maven > Existing Maven Projects > Click Browse and select extracted folder > Finish"

Include logs to verify if main() method of SpringLearnApplication.

Run the SpringLearnApplication class.

SME to walk through the following aspects related to the project created:

src/main/java - Folder with application code

src/main/resources - Folder for application configuration

src/test/java - Folder with code for testing the application

SpringLearnApplication.java - Walkthrough the main() method.

Purpose of @SpringBootApplication annotation

pom.xml

Walkthrough all the configuration defined in XML file

Open 'Dependency Hierarchy' and show the dependency tree

**Program;**

**SpringLearnApplication.java**

@SpringBootApplication

public class SpringLearnApplication {

public static void main(String[] args) {

SpringApplication.run(SpringLearnApplication.class, args);

}

}

**Pom.xml:**

<groupId>com.cognizant</groupId>

<artifactId>spring-learn</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>spring-learn</name>

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>3.x.x</version>

</parent>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

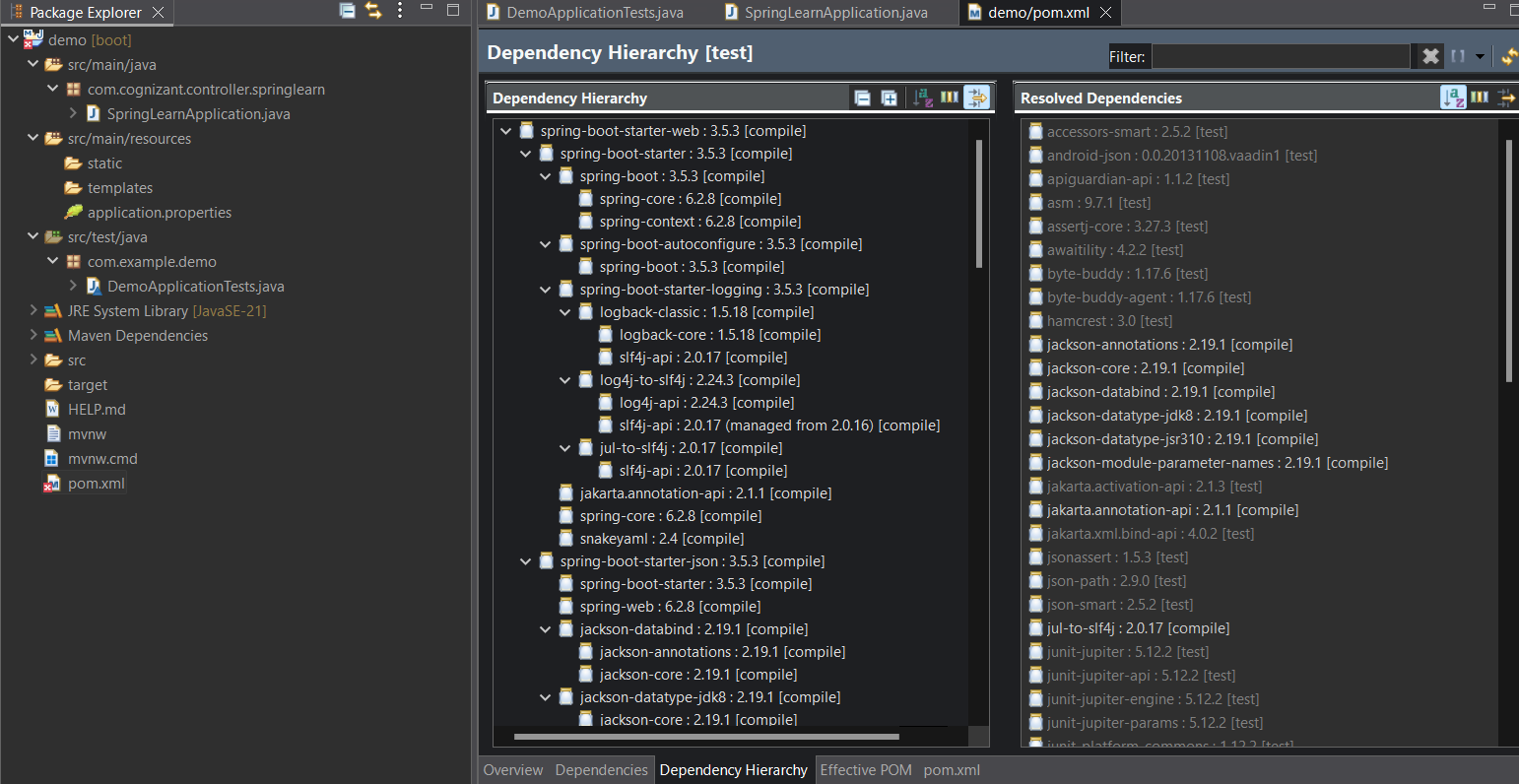
<artifactId>spring-boot-devtools</artifactId>

<scope>runtime</scope>

</dependency>

</dependencies>

**Dependency Hierarachy:**

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