**Spring Rest Hands On**

**Create a Spring Web Project using Maven**

This hands-on exercise involves creating a basic Spring Web project using Maven. It includes setting up the Maven structure, configuring dependencies, and running a simple Spring Boot application.  
  
Steps:  
  
1. Create a Maven Project:  
 - Open your IDE (such as IntelliJ IDEA or Eclipse).  
 - Choose to create a new Maven project.  
 - Set Group ID (e.g., com.example) and Artifact ID (e.g., spring-rest-app).  
  
2. Add Spring Boot Dependencies in `pom.xml`:  
  
```xml  
<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.example</groupId>  
 <artifactId>spring-rest-app</artifactId>  
 <version>1.0</version>  
 <parent>  
 <groupId>org.springframework.boot</groupId>  
 <artifactId>spring-boot-starter-parent</artifactId>  
 <version>2.5.4</version>  
 </parent>  
 <dependencies>  
 <dependency>  
 <groupId>org.springframework.boot</groupId>  
 <artifactId>spring-boot-starter-web</artifactId>  
 </dependency>  
 </dependencies>  
</project>  
```  
  
3. Create Application Class:  
  
```java  
package com.example;  
  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
  
@SpringBootApplication  
public class SpringRestApp {  
 public static void main(String[] args) {  
 SpringApplication.run(SpringRestApp.class, args);  
 }  
}  
```  
  
4. Run the Application:  
 - Use `mvn spring-boot:run` in terminal or run the main class from your IDE.  
 - Visit `http://localhost:8080/` to confirm the server is running.