Create a project to Consume a RESTful web service

<?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 https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<parent>

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

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

<version>2.7.17</version>

<relativePath/> <!-- lookup parent from repository -->

</parent>

<groupId>coms</groupId>

<artifactId>DemoRestServiceApp</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>DemoRestServiceApp</name>

<description>Demo project for Spring Boot</description>

<properties>

<java.version>1.8</java.version>

</properties>

<dependencies>

<dependency>

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

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

</dependency>

<dependency>

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

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

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

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

<artifactId>spring-boot-maven-plugin</artifactId>

</plugin>

</plugins>

</build>

</project>

Application properties

server.port = 9098

java files

package coms.DemoRestServiceApp;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

*@SpringBootApplication*

public class DemoRestServiceAppApplication {

public static void main(String[] args) {

SpringApplication.*run*(DemoRestServiceAppApplication.class, args);

System.***out***.println("Service Started...");

}

}

package coms.DemoRestServiceApp.controllers;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.List;

import java.util.Map;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.RestController;

*@RestController*

public class TestController {

*@GetMapping*("/std")

public List<String> StudentNames()

{

List<String> strLst = new ArrayList<String>();

strLst.add("Murali");

strLst.add("Mohan");

strLst.add("Maharaj");

strLst.add("Mrunalini");

strLst.add("Mahesh");

return strLst;

}

*@GetMapping*("/stdinfo")

public Map<String, Integer> StudentInfo()

{

Map<String, Integer> stddata = new HashMap<String, Integer>();

stddata.put("Ravi", 1001);

stddata.put("Kavi", 1002);

stddata.put("Lavi", 1003);

stddata.put("Bavi", 1004);

return stddata;

}

}



