

<?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.codenotfound</groupId>

<artifactId>spring-ws-helloworld</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>jar</packaging>

<name>spring-ws-helloworld</name>

<description>Spring WS - SOAP Web Service Consumer &amp; Provider WSDL Example</description>

<url>https://www.codenotfound.com/2016/10/spring-ws-soap-web-service-consumer-provider-wsdl-example.html</url>

<parent>

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

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

<version>1.5.2.RELEASE</version>

</parent>

<properties>

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

<maven-jaxb2-plugin.version>0.13.1</maven-jaxb2-plugin.version>

</properties>

<dependencies>

<!-- spring-boot -->

<dependency>

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

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

</dependency>

<dependency>

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

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

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<!-- spring-boot-maven-plugin -->

<plugin>

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

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

</plugin>

<!-- maven-jaxb2-plugin -->

<plugin>

<groupId>org.jvnet.jaxb2.maven2</groupId>

<artifactId>maven-jaxb2-plugin</artifactId>

<version>${maven-jaxb2-plugin.version}</version>

<executions>

<execution>

<goals>

<goal>generate</goal>

</goals>

</execution>

</executions>

<configuration>

<schemaDirectory>${project.basedir}/src/main/resources/wsdl</schemaDirectory>

<schemaIncludes>

<include>\*.wsdl</include>

</schemaIncludes>

</configuration>

</plugin>

</plugins>

</build>

</project>

<?xml version=*"1.0"*?>

<wsdl:definitions name=*"HelloWorld"*

targetNamespace=*"http://codenotfound.com/services/helloworld"*

xmlns:tns=*"http://codenotfound.com/services/helloworld"* xmlns:types=*"http://codenotfound.com/types/helloworld"*

xmlns:soap=*"http://schemas.xmlsoap.org/wsdl/soap/"* xmlns:wsdl=*"http://schemas.xmlsoap.org/wsdl/"*>

<wsdl:types>

<xsd:schema targetNamespace=*"http://codenotfound.com/types/helloworld"*

xmlns:xsd=*"http://www.w3.org/2001/XMLSchema"* elementFormDefault=*"qualified"*

attributeFormDefault=*"unqualified"* version=*"1.0"*>

<xsd:element name=*"person"*>

<xsd:complexType>

<xsd:sequence>

<xsd:element name=*"firstName"* type=*"xsd:string"* />

<xsd:element name=*"lastName"* type=*"xsd:string"* />

</xsd:sequence>

</xsd:complexType>

</xsd:element>

<xsd:element name=*"greeting"*>

<xsd:complexType>

<xsd:sequence>

<xsd:element name=*"greeting"* type=*"xsd:string"* />

</xsd:sequence>

</xsd:complexType>

</xsd:element>

</xsd:schema>

</wsdl:types>

<wsdl:message name=*"SayHelloInput"*>

<wsdl:part name=*"person"* element=*"types:person"* />

</wsdl:message>

<wsdl:message name=*"SayHelloOutput"*>

<wsdl:part name=*"greeting"* element=*"types:greeting"* />

</wsdl:message>

<wsdl:portType name=*"HelloWorld\_PortType"*>

<wsdl:operation name=*"sayHello"*>

<wsdl:input message=*"tns:SayHelloInput"* />

<wsdl:output message=*"tns:SayHelloOutput"* />

</wsdl:operation>

</wsdl:portType>

<wsdl:binding name=*"HelloWorld\_SoapBinding"* type=*"tns:HelloWorld\_PortType"*>

<soap:binding style=*"document"*

transport=*"http://schemas.xmlsoap.org/soap/http"* />

<wsdl:operation name=*"sayHello"*>

<soap:operation

soapAction=*"http://codenotfound.com/services/helloworld/sayHello"* />

<wsdl:input>

<soap:body use=*"literal"* />

</wsdl:input>

<wsdl:output>

<soap:body use=*"literal"* />

</wsdl:output>

</wsdl:operation>

</wsdl:binding>

<wsdl:service name=*"HelloWorld\_Service"*>

<wsdl:documentation>Hello World service</wsdl:documentation>

<wsdl:port name=*"HelloWorld\_Port"* binding=*"tns:HelloWorld\_SoapBinding"*>

<soap:address location=*"http://localhost:8083/codenotfound/ws/helloworld"* />

</wsdl:port>

</wsdl:service>

</wsdl:definitions>

//

// This file was generated by the JavaTM Architecture for XML Binding(JAXB) Reference Implementation, v2.2.11

// See <a href="http://java.sun.com/xml/jaxb">http://java.sun.com/xml/jaxb</a>

// Any modifications to this file will be lost upon recompilation of the source schema.

// Generated on: 2017.07.11 at 10:21:14 PM IST

//

package com.codenotfound.types.helloworld;

import javax.xml.bind.annotation.XmlAccessType;

import javax.xml.bind.annotation.XmlAccessorType;

import javax.xml.bind.annotation.XmlElement;

import javax.xml.bind.annotation.XmlRootElement;

import javax.xml.bind.annotation.XmlType;

/\*\*

\* <p>Java class for anonymous complex type.

\*

\* <p>The following schema fragment specifies the expected content contained within this class.

\*

\* <pre>

\* &lt;complexType&gt;

\* &lt;complexContent&gt;

\* &lt;restriction base="{http://www.w3.org/2001/XMLSchema}anyType"&gt;

\* &lt;sequence&gt;

\* &lt;element name="greeting" type="{http://www.w3.org/2001/XMLSchema}string"/&gt;

\* &lt;/sequence&gt;

\* &lt;/restriction&gt;

\* &lt;/complexContent&gt;

\* &lt;/complexType&gt;

\* </pre>

\*

\*

\*/

@XmlAccessorType(XmlAccessType.FIELD)

@XmlType(name = "", propOrder = {

"greeting"

})

@XmlRootElement(name = "greeting")

public class Greeting {

@XmlElement(required = true)

protected String greeting;

/\*\*

\* Gets the value of the greeting property.

\*

\* @return

\* possible object is

\* {@link String }

\*

\*/

public String getGreeting() {

return greeting;

}

/\*\*

\* Sets the value of the greeting property.

\*

\* @param value

\* allowed object is

\* {@link String }

\*

\*/

public void setGreeting(String value) {

this.greeting = value;

}

}

//

// This file was generated by the JavaTM Architecture for XML Binding(JAXB) Reference Implementation, v2.2.11

// See <a href="http://java.sun.com/xml/jaxb">http://java.sun.com/xml/jaxb</a>

// Any modifications to this file will be lost upon recompilation of the source schema.

// Generated on: 2017.07.11 at 10:21:14 PM IST

//

package com.codenotfound.types.helloworld;

import javax.xml.bind.annotation.XmlRegistry;

/\*\*

\* This object contains factory methods for each

\* Java content interface and Java element interface

\* generated in the com.codenotfound.types.helloworld package.

\* <p>An ObjectFactory allows you to programatically

\* construct new instances of the Java representation

\* for XML content. The Java representation of XML

\* content can consist of schema derived interfaces

\* and classes representing the binding of schema

\* type definitions, element declarations and model

\* groups. Factory methods for each of these are

\* provided in this class.

\*

\*/

@XmlRegistry

public class ObjectFactory {

/\*\*

\* Create a new ObjectFactory that can be used to create new instances of schema derived classes for package: com.codenotfound.types.helloworld

\*

\*/

public ObjectFactory() {

}

/\*\*

\* Create an instance of {@link Person }

\*

\*/

public Person createPerson() {

return new Person();

}

/\*\*

\* Create an instance of {@link Greeting }

\*

\*/

public Greeting createGreeting() {

return new Greeting();

}

}

//

// This file was generated by the JavaTM Architecture for XML Binding(JAXB) Reference Implementation, v2.2.11

// See <a href="http://java.sun.com/xml/jaxb">http://java.sun.com/xml/jaxb</a>

// Any modifications to this file will be lost upon recompilation of the source schema.

// Generated on: 2017.07.11 at 10:21:14 PM IST

//

@javax.xml.bind.annotation.XmlSchema(namespace = "http://codenotfound.com/types/helloworld", elementFormDefault = javax.xml.bind.annotation.XmlNsForm.***QUALIFIED***)

**package** com.codenotfound.types.helloworld;

//

// This file was generated by the JavaTM Architecture for XML Binding(JAXB) Reference Implementation, v2.2.11

// See <a href="http://java.sun.com/xml/jaxb">http://java.sun.com/xml/jaxb</a>

// Any modifications to this file will be lost upon recompilation of the source schema.

// Generated on: 2017.07.11 at 10:21:14 PM IST

//

package com.codenotfound.types.helloworld;

import javax.xml.bind.annotation.XmlAccessType;

import javax.xml.bind.annotation.XmlAccessorType;

import javax.xml.bind.annotation.XmlElement;

import javax.xml.bind.annotation.XmlRootElement;

import javax.xml.bind.annotation.XmlType;

/\*\*

\* <p>Java class for anonymous complex type.

\*

\* <p>The following schema fragment specifies the expected content contained within this class.

\*

\* <pre>

\* &lt;complexType&gt;

\* &lt;complexContent&gt;

\* &lt;restriction base="{http://www.w3.org/2001/XMLSchema}anyType"&gt;

\* &lt;sequence&gt;

\* &lt;element name="firstName" type="{http://www.w3.org/2001/XMLSchema}string"/&gt;

\* &lt;element name="lastName" type="{http://www.w3.org/2001/XMLSchema}string"/&gt;

\* &lt;/sequence&gt;

\* &lt;/restriction&gt;

\* &lt;/complexContent&gt;

\* &lt;/complexType&gt;

\* </pre>

\*

\*

\*/

@XmlAccessorType(XmlAccessType.FIELD)

@XmlType(name = "", propOrder = {

"firstName",

"lastName"

})

@XmlRootElement(name = "person")

public class Person {

@XmlElement(required = true)

protected String firstName;

@XmlElement(required = true)

protected String lastName;

/\*\*

\* Gets the value of the firstName property.

\*

\* @return

\* possible object is

\* {@link String }

\*

\*/

public String getFirstName() {

return firstName;

}

/\*\*

\* Sets the value of the firstName property.

\*

\* @param value

\* allowed object is

\* {@link String }

\*

\*/

public void setFirstName(String value) {

this.firstName = value;

}

/\*\*

\* Gets the value of the lastName property.

\*

\* @return

\* possible object is

\* {@link String }

\*

\*/

public String getLastName() {

return lastName;

}

/\*\*

\* Sets the value of the lastName property.

\*

\* @param value

\* allowed object is

\* {@link String }

\*

\*/

public void setLastName(String value) {

this.lastName = value;

}

}

**package** com.codenotfound.ws;

**import** org.springframework.boot.CommandLineRunner;

**import** org.springframework.boot.SpringApplication;

**import** org.springframework.boot.autoconfigure.SpringBootApplication;

**import** org.springframework.context.annotation.Bean;

**import** com.codenotfound.ws.client.HelloWorldClient;

@SpringBootApplication

**public** **class** SpringWsApplication {

**public** **static** **void** main(String[] args) {

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

}

@Bean

CommandLineRunner lookup(HelloWorldClient quoteClient) {

**return** args -> {

String ticker1 = **null** ;

String ticker2 = **null** ;

**if** (args.length > 0) {

ticker1 = args[0];

ticker2 = args[1];

}

String response = quoteClient.sayHello(ticker1, ticker2);

System.***out***.println(response);

};

}

}

package com.codenotfound.ws.client;

import org.springframework.context.annotation.Bean;

import org.springframework.context.annotation.Configuration;

import org.springframework.oxm.jaxb.Jaxb2Marshaller;

import org.springframework.ws.client.core.WebServiceTemplate;

@Configuration

public class ClientConfig {

@Bean

Jaxb2Marshaller jaxb2Marshaller() {

Jaxb2Marshaller jaxb2Marshaller = new Jaxb2Marshaller();

jaxb2Marshaller.setContextPath("com.codenotfound.types.helloworld");

return jaxb2Marshaller;

}

@Bean

public WebServiceTemplate webServiceTemplate() {

WebServiceTemplate webServiceTemplate = new WebServiceTemplate();

webServiceTemplate.setMarshaller(jaxb2Marshaller());

webServiceTemplate.setUnmarshaller(jaxb2Marshaller());

webServiceTemplate.setDefaultUri("http://localhost:8082/codenotfound/ws/helloworld");

return webServiceTemplate;

}

}

package com.codenotfound.ws.client;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Component;

import org.springframework.ws.client.core.WebServiceTemplate;

import com.codenotfound.types.helloworld.Greeting;

import com.codenotfound.types.helloworld.ObjectFactory;

import com.codenotfound.types.helloworld.Person;

@Component

public class HelloWorldClient {

private static final Logger LOGGER = LoggerFactory.getLogger(HelloWorldClient.class);

@Autowired

private WebServiceTemplate webServiceTemplate;

public String sayHello(String firstName, String lastName) {

ObjectFactory factory = new ObjectFactory();

Person person = factory.createPerson();

person.setFirstName(firstName);

person.setLastName(lastName);

LOGGER.info("Client sending person[firstName={},lastName={}]", person.getFirstName(),

person.getLastName());

Greeting greeting = (Greeting) webServiceTemplate.marshalSendAndReceive(person);

LOGGER.info("Client received greeting='{}'", greeting.getGreeting());

return greeting.getGreeting();

}

}

package com.codenotfound.ws.endpoint;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.ws.server.endpoint.annotation.Endpoint;

import org.springframework.ws.server.endpoint.annotation.PayloadRoot;

import org.springframework.ws.server.endpoint.annotation.RequestPayload;

import org.springframework.ws.server.endpoint.annotation.ResponsePayload;

import com.codenotfound.types.helloworld.Greeting;

import com.codenotfound.types.helloworld.ObjectFactory;

import com.codenotfound.types.helloworld.Person;

@Endpoint

public class HelloWorldEndpoint {

private static final Logger LOGGER = LoggerFactory.getLogger(HelloWorldEndpoint.class);

private static final String NAMESPACE\_URI = "http://codenotfound.com/types/helloworld";

@PayloadRoot(namespace = NAMESPACE\_URI, localPart = "person")

@ResponsePayload

public Greeting sayHello(@RequestPayload Person request) {

LOGGER.info("Endpoint received person[firstName={},lastName={}]", request.getFirstName(),

request.getLastName());

String greeting = "Hello " + request.getFirstName() + " " + request.getLastName() + "!";

ObjectFactory factory = new ObjectFactory();

Greeting response = factory.createGreeting();

response.setGreeting(greeting);

LOGGER.info("Endpoint sending greeting='{}'", response.getGreeting());

return response;

}

}

package com.codenotfound.ws.endpoint;

import org.springframework.boot.web.servlet.ServletRegistrationBean;

import org.springframework.context.ApplicationContext;

import org.springframework.context.annotation.Bean;

import org.springframework.context.annotation.Configuration;

import org.springframework.core.io.ClassPathResource;

import org.springframework.ws.config.annotation.EnableWs;

import org.springframework.ws.config.annotation.WsConfigurerAdapter;

import org.springframework.ws.transport.http.MessageDispatcherServlet;

import org.springframework.ws.wsdl.wsdl11.SimpleWsdl11Definition;

import org.springframework.ws.wsdl.wsdl11.Wsdl11Definition;

@EnableWs

@Configuration

public class WebServiceConfig extends WsConfigurerAdapter {

@Bean

public ServletRegistrationBean messageDispatcherServlet(ApplicationContext applicationContext) {

MessageDispatcherServlet servlet = new MessageDispatcherServlet();

servlet.setApplicationContext(applicationContext);

return new ServletRegistrationBean(servlet, "/codenotfound/ws/\*");

}

@Bean(name = "helloworld")

public Wsdl11Definition defaultWsdl11Definition() {

SimpleWsdl11Definition wsdl11Definition = new SimpleWsdl11Definition();

wsdl11Definition.setWsdl(new ClassPathResource("/wsdl/helloworld.wsdl"));

return wsdl11Definition;

}

}

<https://github.com/code-not-found/spring-ws/tree/master/spring-ws-helloworld>

java -jar target/gs-consuming-web-service-0.1.0.jar satya rajeswari