Quiz -1

Course: CS497/597 Cloud Computing

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For the following WSDL definition, determine the java class hierarchy that would have most likely generated this WSDL definition.

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

<wsdl:definitions name="Map" targetNamespace="http://computing.cloud.course/" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:tns="http://computing.cloud.course/" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/">

<wsdl:types>

<xs:schema xmlns="http://computing.cloud.course/" xmlns:xs="http://www.w3.org/2001/XMLSchema" attributeFormDefault="unqualified" elementFormDefault="unqualified" targetNamespace="http://computing.cloud.course/">

<xs:complexType name="boundingRectangle">

<xs:sequence/>

</xs:complexType>

<xs:element name="getTile" type="getTile"/>

<xs:complexType name="getTile">

<xs:sequence>

<xs:element minOccurs="0" name="arg0" type="boundingRectangle"/>

</xs:sequence>

</xs:complexType>

<xs:element name="getTileResponse" type="getTileResponse"/>

<xs:complexType name="getTileResponse">

<xs:sequence>

<xs:element minOccurs="0" name="return" type="xs:base64Binary"/>

</xs:sequence>

</xs:complexType>

<xs:element name="placePin" type="placePin"/>

<xs:complexType name="placePin">

<xs:sequence>

<xs:element name="arg0" type="xs:double"/>

<xs:element name="arg1" type="xs:double"/>

<xs:element minOccurs="0" name="arg2" type="boundingRectangle"/>

</xs:sequence>

</xs:complexType>

<xs:element name="placePinResponse" type="placePinResponse"/>

<xs:complexType name="placePinResponse">

<xs:sequence>

<xs:element minOccurs="0" name="return" type="xs:base64Binary"/>

</xs:sequence>

</xs:complexType>

</xs:schema>

</wsdl:types>

<wsdl:message name="getTile">

<wsdl:part name="parameters" element="tns:getTile">

</wsdl:part>

</wsdl:message>

<wsdl:message name="placePin">

<wsdl:part name="parameters" element="tns:placePin">

</wsdl:part>

</wsdl:message>

<wsdl:message name="placePinResponse">

<wsdl:part name="parameters" element="tns:placePinResponse">

</wsdl:part>

</wsdl:message>

<wsdl:message name="getTileResponse">

<wsdl:part name="parameters" element="tns:getTileResponse">

</wsdl:part>

</wsdl:message>

<wsdl:portType name="MapPortType">

<wsdl:operation name="getTile">

<wsdl:input name="getTile" message="tns:getTile">

</wsdl:input>

<wsdl:output name="getTileResponse" message="tns:getTileResponse">

</wsdl:output>

</wsdl:operation>

<wsdl:operation name="placePin">

<wsdl:input name="placePin" message="tns:placePin">

</wsdl:input>

<wsdl:output name="placePinResponse" message="tns:placePinResponse">

</wsdl:output>

</wsdl:operation>

</wsdl:portType>

<wsdl:binding name="MapSoapBinding" type="tns:MapPortType">

<soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>

<wsdl:operation name="getTile">

<soap:operation soapAction="" style="document"/>

<wsdl:input name="getTile">

<soap:body use="literal"/>

</wsdl:input>

<wsdl:output name="getTileResponse">

<soap:body use="literal"/>

</wsdl:output>

</wsdl:operation>

<wsdl:operation name="placePin">

<soap:operation soapAction="" style="document"/>

<wsdl:input name="placePin">

<soap:body use="literal"/>

</wsdl:input>

<wsdl:output name="placePinResponse">

<soap:body use="literal"/>

</wsdl:output>

</wsdl:operation>

</wsdl:binding>

<wsdl:service name="Map">

<wsdl:port name="MapPort" binding="tns:MapSoapBinding">

<soap:address location="http://localhost:9090/MapPort"/>

</wsdl:port>

</wsdl:service>

</wsdl:definitions>