SOAP OPDRACHT

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 2.2.1

Fault.xsd

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"   
 xmlns:tns="http://schemas.hu.fnt.nl/berichten/fault"  
 elementFormDefault="qualified"   
 targetNamespace="http://schemas.hu.fnt.nl/berichten/fault">  
 <xs:annotation>  
 <xs:documentation>  
 message is niet voor de gebruiker, kan ook null zijn  
 </xs:documentation>  
 </xs:annotation>  
 <xs:element name="Fault" />  
 <xs:complexType name="Fault">  
 <xs:sequence>  
 <xs:element name="errorCode" nillable="false" type="xs:short" />  
 <xs:element maxOccurs="1" minOccurs="0" name="message" type="xs:string" />  
 </xs:sequence>  
 </xs:complexType>  
</xs:schema>

PowerRequest.xsd

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"  
 xmlns:tns="http://schemas.hu.fnt.nl/berichten/request"  
 targetNamespace="http://schemas.hu.fnt.nl/berichten/request">  
 <xs:element name="powerrequest" type="tns:request" />  
 <xs:complexType name="request">  
 <xs:all minOccurs="1">  
 <!-- Hier zijn de 3 getallen die worden berekend voor in de "Pie-chart" -->  
 <xs:element name="getal1" type="xs:int" />  
 <xs:element name="getal2" type="xs:int" />  
 <xs:element name="getal3" type="xs:int" />  
 </xs:all>  
 </xs:complexType>  
</xs:schema>

PowerRespond.xsd

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"  
 xmlns:tns="http://schemas.hu.fnt.nl/berichten/response"  
 targetNamespace="http://schemas.hu.fnt.nl/berichten/response">  
 <xs:element name="powerresponse" type="tns:response" />  
 <xs:complexType name="response">  
 <xs:all minOccurs="1">  
 <!-- De result is een String, met daarin de percentage van de "pie-chart" -->  
 <xs:element name="Result" type="xs:string" />  
 </xs:all>  
 </xs:complexType>  
</xs:schema>

2.2.2

PowerService.wsdl

<?xml version="1.0" encoding="UTF-8"?>  
<wsdl:definitions  
  
 xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"  
 xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"  
 xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:req="http://schemas.hu.fnt.nl/berichten/request"  
 xmlns:rsp="http://schemas.hu.fnt.nl/berichten/response"  
 xmlns:tns="http://schemas.hu.fnt.nl/berichten/message"  
 xmlns:flt="http://schemas.hu.fnt.nl/berichten/fault"  
  
  
 targetNamespace="http://schemas.hu.fnt.nl/berichten/message">  
 <wsdl:documentation>  
 service: Pie-Chart berekenen  
 Owner: Jaron Koelewijn  
 </wsdl:documentation>  
  
 <wsdl:types>  
 <xsd:schema>  
 <xsd:import namespace="http://schemas.hu.fnt.nl/berichten/request" schemaLocation="PowerRequest.xsd" />  
 <xsd:import namespace="http://schemas.hu.fnt.nl/berichten/response" schemaLocation="PowerResponse.xsd" />  
 <xsd:import namespace="http://schemas.hu.fnt.nl/berichten/fault" schemaLocation="Fault.xsd" />  
 </xsd:schema>  
 </wsdl:types>  
  
  
 <wsdl:message name="request">  
 <wsdl:part name="request" element="req:powerrequest" />  
 </wsdl:message>  
  
 <wsdl:message name="response">  
 <wsdl:part name="response" element="rsp:powerresponse" />  
 </wsdl:message>  
  
  
 <wsdl:message name="Fault">  
 <wsdl:part name="Fault" element="flt:Fault" />  
 </wsdl:message>  
  
 <wsdl:portType name="WS-Interface">  
 <wsdl:operation name="calculatePower">  
 <wsdl:input message="tns:request" />  
 <wsdl:output message="tns:response" />  
 <wsdl:fault name = "fault" message="tns:Fault" />  
 </wsdl:operation>  
 </wsdl:portType>  
  
 <wsdl:binding name="WS-Binding" type="tns:WS-Interface">  
 <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http" />  
 <wsdl:operation name="calculatePower">  
 <soap:operation soapAction="" style="document" />  
 <wsdl:input>  
 <soap:body use="literal" />  
 </wsdl:input>  
 <wsdl:output>  
 <soap:body use="literal" />  
 </wsdl:output>  
 <wsdl:fault name="fault">  
 <soap:fault name="fault" use="literal"/>  
 </wsdl:fault>  
 </wsdl:operation>  
 </wsdl:binding>  
  
 <wsdl:service name="mijnService">  
 <wsdl:port name="WS-Port" binding="tns:WS-Binding">  
 <soap:address location="http://localhost:8090/services/HelloWorld" />  
 </wsdl:port>  
 </wsdl:service>  
  
</wsdl:definitions>

# 2.2.3

## 1:

## mijnbericht.request.soap:

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:req="http://schemas.hu.fnt.nl/berichten/request">

<soapenv:Header/>

<soapenv:Body>

<req:powerrequest>

<!--You may enter the following 3 items in any order-->

<getal1>a</getal1>

<getal2>4</getal2>

<getal3>2</getal3>

</req:powerrequest>

</soapenv:Body>

</soapenv:Envelope>

## mijnbericht.response.soap:

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">

<S:Body>

<ns3:powerresponse xmlns:ns2="http://schemas.hu.fnt.nl/berichten/fault" xmlns:ns3="http://schemas.hu.fnt.nl/berichten/response" xmlns:ns4="http://schemas.hu.fnt.nl/berichten/request">

<Result>Getal 1 kan niet lager zijn dan of gelijk zijn aan 0</Result>

</ns3:powerresponse>

</S:Body>

</S:Envelope>

## 2:

## mijnbericht.request.soap:

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:req="http://schemas.hu.fnt.nl/berichten/request">

<soapenv:Header/>

<soapenv:Body>

<req:powerrequest>

<!--You may enter the following 3 items in any order-->

<getal1>10</getal1>

<getal2>10</getal2>

<getal3>10</getal3>

</req:powerrequest>

</soapenv:Body>

</soapenv:Envelope>

## mijnbericht.response.soap:

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">

<S:Body>

<ns3:powerresponse xmlns:ns2="http://schemas.hu.fnt.nl/berichten/fault" xmlns:ns3="http://schemas.hu.fnt.nl/berichten/response" xmlns:ns4="http://schemas.hu.fnt.nl/berichten/request">

<Result>Uw percentages zijn: getal1: 33.33333333333333%, getal2: 33.33333333333333%, getal3: 33.33333333333333%.</Result>

</ns3:powerresponse>

</S:Body>

</S:Envelope>

## 3:

## mijnbericht.request.soap:

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:req="http://schemas.hu.fnt.nl/berichten/request">

<soapenv:Header/>

<soapenv:Body>

<req:powerrequest>

<!--You may enter the following 3 items in any order-->

<getal1>43</getal1>

<getal2></getal2>

<getal3>43</getal3>

</req:powerrequest>

</soapenv:Body>

</soapenv:Envelope>

## mijnbericht.response.soap:

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">

<S:Body>

<ns3:powerresponse xmlns:ns2="http://schemas.hu.fnt.nl/berichten/fault" xmlns:ns3="http://schemas.hu.fnt.nl/berichten/response" xmlns:ns4="http://schemas.hu.fnt.nl/berichten/request">

<Result>Getal 2 kan niet lager zijn dan of gelijk zijn aan 0</Result>

</ns3:powerresponse>

</S:Body>

</S:Envelope>

## 4:

## mijnbericht.request.soap:

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:req="http://schemas.hu.fnt.nl/berichten/request">

<soapenv:Header/>

<soapenv:Body>

<req:powerrequest>

<!--You may enter the following 3 items in any order-->

<getal1>4</getal1>

<getal2>42</getal2>

<getal3></getal3>

</req:powerrequest>

</soapenv:Body>

</soapenv:Envelope>

## mijnbericht.response.soap:

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">

<S:Body>

<ns3:powerresponse xmlns:ns2="http://schemas.hu.fnt.nl/berichten/fault" xmlns:ns3="http://schemas.hu.fnt.nl/berichten/response" xmlns:ns4="http://schemas.hu.fnt.nl/berichten/request">

<Result>Getal 3 kan niet lager zijn dan of gelijk zijn aan 0</Result>

</ns3:powerresponse>

</S:Body>

</S:Envelope>

## 5:

## mijnbericht.request.soap:

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:req="http://schemas.hu.fnt.nl/berichten/request">

<soapenv:Header/>

<soapenv:Body>

<req:powerrequest>

<!--You may enter the following 3 items in any order-->

<getal1>4</getal1>

<getal2>42</getal2>

<getal3>32</getal3>

</req:powerrequest>

</soapenv:Body>

</soapenv:Envelope>

## mijnbericht.response.soap:

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">

<S:Body>

<ns3:powerresponse xmlns:ns2="http://schemas.hu.fnt.nl/berichten/fault" xmlns:ns3="http://schemas.hu.fnt.nl/berichten/response" xmlns:ns4="http://schemas.hu.fnt.nl/berichten/request">

<Result>Uw percentages zijn: getal1: 5.128205128205128%, getal2: 53.84615384615385%, getal3: 41.02564102564102%.</Result>

</ns3:powerresponse>

</S:Body>

</S:Envelope>