WSDL Components

</operation>

</portType>

WSDL Message: Message is the abstract definition of data exchanged between web service provider and consumer. Each web service has two messages : input message and output message. Input describes the parameters for the web service and the output describes the return data from the web service. <message name="getTermRequest"> <part name="term" type="xs:string"/> </message> <message name="getTermResponse"> <part name="value" type="xs:string"/> </message> WSDL PortType: PortType is the abstract set of named operations/methods mapped to one or more end points. <portType name="glossaryTerms"> <operation name="getTerm"> <input message="getTermRequest"/> <output message="getTermResponse"/> </operation> </portType> WSDL Message and PortType <message name="getTermRequest"> <part name="term" type="xs:string"/> </message> <message name="getTermResponse"> <part name="value" type="xs:string"/> </message> <portType name="glossaryTerms"> <operation name="getTerm"> <input message="getTermRequest"/> <output message="getTermResponse"/>

```
WSDL Bindings: Binding is the concrete protocol and data formats for the
operations and messages defined for a particular portType.
<message name="getTermRequest">
  <part name="term" type="xs:string"/>
</message>
<message name="getTermResponse">
  <part name="value" type="xs:string"/>
</message>
For Example - Message
public String getInfo(String empId) {
....;
}
<message name="getInfoRequest">
  <part name="empId" type="xsd:string"/>
</message>
<message name="getInfoResponse">
  <part name="value" type="xsd:string"/>
</message>
PORTType
<portType name="glossaryTerms">
  <operation name="getTerm">
    <input message="getTermRequest"/>
    <output message="getTermResponse"/>
  </operation>
</portType>
For Example - PortType
public String getInfo(String empId) {
....;
}
<portType name="getInfo PortType">
  <operation name="getInfo">
```

<input message="getInfoRequest"/>
<output message="getInfoResponse"/>

</operation>

</portType>

```
Binding
<binding name="b1" type="glossaryTerms">
   <soap:binding style="document"</pre>
   transport="http://schemas.xmlsoap.org/soap/http" />
   <operation>
     <soap:operation soapAction="http://example.com/getTerm"/>
     <input><soap:body use="literal"/></input>
     <output><soap:body use="literal"/></output>
  </operation>
</binding>
For Example - Binding
public String getInfo(String empId) {
....;
}
<binding name="b1" type="getInfo PortType">
   <soap:binding style="document"</pre>
   transport="http://schemas.xmlsoap.org/soap/http" />
   <operation>
     <soap:operation soapAction="http://example.com/getInfo"/>
     <input>
           <soap:body use="literal"/>
     </input>
      <output>
           <soap:body use="literal"/>
     </output>
  </operation>
</binding>
WSDL Service: Service is a collection of end points encompassing service
definition.
<service name="Hello_Service">
   <documentation>WSDL File for HelloService</documentation>
   <port name="Hello Port" binding="tns:Hello Binding">
     <soap:address location="http://www.examples.com/SayHello/">
   </port>
```

PORT: A port defines an individual end point by specifying the single address for a binding. The port element has two attributes: *name* and *binding*. Binding provides information about what protocol is being used to transfer portyType operations.

</service>