

# **LOT-756 – Using Web Services in IBM Lotus Domino 7 Applications**

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## ***LOT-756 Practice Exam Questions Demo***

### **QUESTION: 1**

Kathryn needs to provide data from her Domino application to an external vendor. She has been told that she should consider providing the data via a Web service.

Which of the following is an accurate description of a Web service?

- A. A Web Service is a data service provided over the Internet. Requests to the service must be received in the format prescribed by the SOAP description of the service. Data provided by the service must be transmitted using a WSDL XML format over HTTP.
- B. A Web Service is a software component that is described in a machine-processable format. Other systems interact with the Web Service in a manner prescribed by the description. The interaction is via standard network protocols, typically transported using HTTP with an XML serialization.
- C. A Web Service is a software component that provides WSDL (Web Service Data Layer) packets in response to requests from other systems. The requests must be in XML format, sent via an XML HTTP Request object. The response packets are interpreted using SOAP (Service Oriented Architecture Protocol).
- D. A Web Service is a data service provided over a network. A requester (the calling system) sends request data to the web service as one or more SOAP (Service Object Access Packet) transmissions. The Web Service returns the requested data (or fault codes in the event of errors) as WSDL (Web Service Data Layer) packets.

**Answer: B**

### **QUESTION: 2**

The public functions that implement the operations of the OrderInventory Domino Web service used to be contained within the OrderInventory public class. This was the only class in the Web service. Farah has reorganized the code to place the functions into a new class, and now the consumer applications are not working.

What could Farah have done to avoid this problem?

- A. Ensure that the PortType class is set to the name of the new class when she saves the modified Web service.
- B. Select 'Automatically refresh WSDL document' on the Advanced tab of the Web service and save the Web service before beginning any modifications.
- C. Select 'Warn if the WSDL interface is modified' on the Basics tab of the Web service and save the Web service before beginning any modifications.
- D. Farah must have written the new class as a private class. If new classes are all created as public classes and the function names remain the same, then the consumer applications should continue to work.

**Answer: C**

### **QUESTION: 3**

Frances has a web services client that generates the following SOAP message when calling a Domino web service that has been written in LotusScript:

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```
<?xml version='1.0' encoding='UTF-8'?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
<SOAP-ENV:Body>
<ns1:GETPERSONINFO xmlns:ns1="urn:DefaultNamespace"
SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
<PNAME xsi:type="ns1:PERSONNAME">
<FIRSTNAME xsi:type="xsd:string">Billy Bob</FIRSTNAME>
<LASTNAME xsi:type="xsd:string">Brubaker</LASTNAME>
</PNAME>
</ns1:GETPERSONINFO>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Based on the structure of this message, which of the following represents the possible signature of the LotusScript function that implements the "GetPersonInfo" method?

- A. Function GetPersonInfo (pinfo As PersonInfo) As PersonName
- B. Function GetPersonInfo (pname As PersonName) As PersonInfo
- C. Function GetPersonInfo (firstName As String, lastName As String) As PersonName
- D. Function GetPersonInfo (pname As PersonName, firstName As String, lastName As String) As PersonInfo

**Answer: B**

### **QUESTION: 4**

Nils is developing a Domino Web service to return employee data. The Web service will accept an employee name, and return the ID, phone number, and salary of the employee. Nils had started to code a separate public function to return each of these data items, but is wondering if he can create a Web service that will accept the employee name and return all 3 desired fields at once.

Can he do this in Domino?

Why or why not?

- A. Yes. Nils can code a public sub with 4 parameters: one input parameter and three inout parameters.
- B. Yes. Nils can code a public function with 4 parameters: one input parameter and three output parameters.
- C. No. Domino Web services must include a public class. That class may include functions and subs, but subs cannot return values, so Nils must use functions.
- D. No. Domino Web services must include a public class, and that public class must expose a public function for each defined operation. Each function returns a single value

**Answer: A**

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### **QUESTION: 5**

Avery has the following functions in his Web service:

```
Public Function GetAccountBalance(personname As String) As String
result=GetAccountDocument(personname)
If result = "OK" Then
GetAccountBalance =GetBalanceField("Balance")
Else
GetAccountBalance = "ERROR"
End If
End Function
Private Function GetAccountDocument(personname As String) As String
Set vendordb=New NotesDatabase("", "vendor.nsf")
Set vendorview = vendordb.GetView("VendorName")
Set vendordoc = vendorview.GetDocumentByKey(personname, True)
GetAccountDocument="OK"
End Function
Private Function GetBalanceField(FieldName As String)
Set item=vendordoc.GetFirstItem(FieldName)
If item Is Nothing Then
GetBalanceField=""
Exit Function
Else
GetBalanceField=Cstr(item.Values(0))
End If
End Function
```

He is trying to call the GetAccountDocument function from his SOAP call, but it does not work.

Why is this happening?

- A. The GetAccountDocument function is defined as Private.
- B. The GetAccountDocument function returned an invalid SOAP string.
- C. The GetAccountDocument function did not receive a String argument.
- D. The "fieldName" parameter in the GetAccountDocument function acts as an inout parameter.

**Answer: A**

### **QUESTION: 6**

Cassie has been asked to help her team learn how to develop and deploy Domino Web services. She is writing descriptions of some of the standards and protocols used in Web services.

What are some distinctions among SOAP, XML, and WSDL?

- A. WSDL is an extensible format for exchanging messages between applications. A SOAP document is a set of definitions, describing operations and protocols pertaining to a Web service. Web services are written using the XML markup language.

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B. XML is eXtensible Markup Language. SOAP is based on XML, and is the foundation for a Web service. WSDL is the data layer of a Web service, and is based on SOAP. The data request and response messages of a Web service are sent in WSDL format.

C. SOAP is an extensible format for exchanging messages between applications. A WSDL document is a set of definitions, describing operations and protocols pertaining to a Web service. XML is a markup language; SOAP and WSDL are encoded using XML.

D. SOAP is a format for exchanging 'envelopes' between applications. Messages sent in SOAP envelopes between applications are written in XML. WSDL is a language for interpreting (encoding and decoding) the XML messages in the SOAP envelopes. Domino Web services reference WSDL libraries in order to send/receive Web service data.

**Answer: C**

### **QUESTION: 7**

Benita has created the OrderStatus web service in the Sales.nsf database. She would now like to test the web service by retrieving the status of order number 12A45. From her web browser's address bar, she types the url of the web service, followed by ?OpenWebService&12A45. The Web service expects the order number to be passed as the only parameter, but the page that opens only displays information about the Web service.

What is the problem?

A. The Web service must be invoked using a Domino URL command in a SOAP-encoded Web services HTTP GET request. Benita supplied an HTTP GET request, but it was not SOAP encoded.

B. The Web service must be invoked using a Domino URL command in a SOAP-encoded Web services HTTP POST request. Benita supplied an HTTP POST request, but it was not SOAP encoded.

C. The Web service must be invoked using a Domino URL command in a SOAP-encoded Web services HTTP GET request. Benita should code a Web service client to issue a SOAP-encoded request via HTTP GET.

D. The Web service must be invoked using a Domino URL command in a SOAP-encoded Web services HTTP POST request. Benita should code a Web service client to issue a SOAP-encoded request via HTTP POST.

**Answer: D**

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