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Webservices/REST API Testing Interview Questions

1. What are Webservices ?

**Web Service is an application or business logic that is accessible using standard Internet protocols via standardized XML messaging system**

2. What are REST API’s?  
 **REST". Representational State Transfer.  
 We will use standard HTTp Methods to access the resources They are GET, POST, DELEbTE, and PUT**

1. What is WSDL?  
   **WSDL definition describes how to access a web service and what operations it will perform.  
   WSDL is often used in combination with SOAP and XML Schema to provide web services over the Internet**
2. What is Endpoint?  
   **It is the Ip address of the Server where Webservice is running**
3. What methods does REST Support?  
   **GET, POST, DELETE, and PUT**
4. What is SOAP UI tool?  
   SoapUI**, is the world leading Open Source Functional Testing**tool**for API Testing**
5. How to access properties from Testcase level in SoapUI? **(to get test data)**

**We can pass to the request Parmaters as ${#TestCase#PropertyName},  
If it is Groovy Script Step then TestRunner.TestCase.getPropertyValue(PropertyName)  
From Script Assertion window it can be accessed by Context.getTestCase.getPropertyValue(PropertyName)**

1. **Mention what is the general format for reading the custom or default property value?**

**The general format for reading the custom or default property value is ${#levelname#key}**

**Levels are**

* **Project**
* **Testsuite**
* **Testcase**

1. **What is Property Transfer Step in SoapUI ?  
   Property Transfer enables ut to transfer the values from one API Response to other API Request**
2. **What king of Scripting SoapUI Tool supports**?  
   **Groovy Scripting. Java, Java Script**
3. **How many kind of Assertions we have in Soap UI Tool?**

**Xpath Match , Contains, Script Assertion, Xquery Match,Http Status codes etc**

1. **What are Script** **Assertion window objects**?

**Log, context, messageExchange**

13.**TestRunner Usage in SoapUI**?

With **the help of TestRunner variable we can have control over the TestCases Testsuites and Project level Methods and access properties**

14 **What king of inputs and outputs does REST API Support**?  
 It supports both XML and Json

**15. What is Mocking**?

**Mock services are a great way of getting testing early into the picture of a**

**service-oriented project. Once the WSDL of the web service is ready, you can**

**simulate the service implementation and start testing the consumer applications**