Java Webservices Online Course - Smart Mind Online Training,

Java Webservices Online Training Course Content

Faculty: Real time and certified

(Includes theoretical as well as practical sessions)

SOA

- What is SOA?
- Service Orientation
- Business Process Vs Service.
- Choreography of Services.

Java Web Services and technologies

- XML – Extensible Markup Language
- DTD–DocumentType Definitions.
- XSD – XML Schema Document.
- XSLT – XML Style sheet transformation.

XML Processing APIs

- Simple Type API for XML (SAX)
- Document Object Model (DOM)

Web Services Development

- Developing fresh web services
- Developing web services using XSD's
- Developing web services using Java –based applications
    - o EJB
    - o Servlets
    - o Spring
    - o Hibernate

WSDL

- Primary elements in a WSDL document
- Abstract and concrete definitions in a WSDL document

- Messaging modes for web services
- XML schema in a WSDL document
- Web Service Endpoints and Clients

SOAP

- Use of SOAP in web services
- Primary elements of a SOAP message
- Transmission of binary data in a SOAP message
- Extensibility features of SOAP
- Role of message handlers
- Messaging styles in a SOAP message
- Encoding styles in a SOAP message
- Protocol binding of a SOAP message

UDDI

- Functions of the UDDI registry
- Elements of a UDDI registry
- UDDI APIs Overview.

CLIENT DESIGN

- Choosing a Communication Technology
- Web services based client applications
- Developing client applications

Exception Handling.

SOAP With Attachments API for Java (SAAJ)

- Relationship between SAAJ and DOM
- Create and manipulate a SOAP message
- Create and manipulate a SOAP message with attachments.

WS –I Profiles.

Design Patterns in Web Services.

SECURITY

- Encryption

Java Webservices Online Course - Smart Mind Online Training,

- Public
- Private
- Digital Signatures
- Authentication and Authorization
- Message – Level web services security.

Environment

- **Eclipse**
- **Tomcat**
- **Oracle Database**
- **SOAP UI**
- **Altova XML Spy**