TTDG02 : Web Application and Enterprise Programming in J2EE

Description :

Instructor :

Training Date : **27 พ.ค. 2567 - 31 พ.ค. 2567**

fee : **15000 ฿** (ราคายังไม่รวม Vat 7%)

Days & Duration : **5 Day(s) | 30 Hour(s)**

Time : **09:00:00 - 16:00:00**

Language : **Thai**

Venue : **Software Park Training Room 3rd floor, Software Park Building Chaengwattana Road, Pakkred Nonthaburi**

Type : **Classroom**

Category : **Digital Technology**

Dr.Werasak Suengtaworn
นักวิชาการอิสระ

Objectives :

This course introduces developers, that familiar with Java Programming, to the Java 2 Platform, Enterprise Edition (J2EE). It covers all the necessary topics, techiques, and examples needed to Web Application and full scale enterprise

Target Group :

A working knowledge of Windows, HTML and some programming experience in C or Pascal.

Benefits :

This course introduces Java technologies and advanced Java programming techniques: These includes Server/Client Programming; Database Connectivity API (JDBC); Java Bean; Java Remote Method Invocation API (RMI); Java Servlets and Java Server Pages.

Course Outline :

Introduction
- J2ee Architecture for Web Application and Enterprise Programming
- JDBC, JavaMail, JNDI, JMS, Servlet, JSP, EJB, and Web Service.
- Introducing Apache, Tomcat, Jame, MySQL, Sun One, and JBoss.

Java Database Connection (Jdbc)
- Jdbc/Odbc Drivers and Connecting to a Commercial DBMS (Access).
- SQL from a java program: open table, select, insert, and update.
- Meta-data. And Transaction.

JavaMail
- SMTP and POP3 Protocols
- Sending and Retrieving Mail with JavaMail API
- Mail Status, Multi-Part Message and Files Attachment

Java Naming and Directory Interfaces (JNDI)
- Name service, Directory service, and JNDI service provider
- Storing and Retrieving Java Object in Name service
- Intoducing LDAP and Basic LDAP Operations

Java Message Service (JMS)
- Publishing, Subscribing, and Receiving Messages
- Point-to-Point Messaging
- Message Format and Types

Networking
- Client-side networking: Socket and ports
- Server-side networking: ServerSocket
- UDP Datagrams
- URL class: openStream(), openConnection(), and getConnection()

- Http Server: HTTP, MIME, and CGI programming in Java

Remote Method Invocation (RMI)
- Remote Interface, UnicastRemoteObject, and RemoteException
- RMISecurityManager, security policy, Rmiregistry,
- Naming, rebind(), and lookup()
- Remote Parameter Passing Mechanism, Remote Call Back
- Remote Activatable Objects

Corba
- CosNaming, NamingContext, and NameComponent
- IDL, and idlj.exe, Implementing Server and Client
- Persistent Remote Object, Remote Call Back, Delegation
- Stringified Reference and RMI-IIOP

XML Parsing With Java
- Parsing XML with SAX, DOM, JDOM and JAXP
- Transforming XML with XSLT
- Using XPATH

Servlets
- Servlet and Servlet Container in TomCat and Sun One.
- Web Components, .war files and Web App Conficguration.
- Request, Response, Parameters, and Attribute,
- Http Tunneling, and Dispatcher.
- Session Tracking: URL Rewriting, Hidden Fields, Cookies, and Sessions
- Web Application Listeners and Filters.
- Web App authentication.

JavaServer Page (JSP)
- JSP Engine: Developing JSP in TomCat and Sun One.
- Scripting elements: declaration, scriptlet, and expression
- Implicit objects, and request parameters
- Directives: page, taglib, Standard Actions, Jsp Standard Tag Libraries (JSTL) , Custom Jsp Tags
- Introducing Struts and Java Server Faces

Enterprise Java Beans (EJB)
- Defining Interface, Implementation, and Deploying the Bean
- Session Bean, Entity Bean, CMP, and BMP.
- Remote/Local Interface, Container Managed Relationships.
- Message-Driven Beans and Transactions
- JAX-RPC, Session Bean As A Web Service, JAX-PRC Service Endpoint Model.

Payment Condition :
Payment can be made by:

1. **Cash or Credit Card or Bank Cheque payable to"สำนักงานพัฒนาวิทยาศาสตร์และเทคโนโลยีแห่งชาติ"** (a post-dated cheque is not accepted) on the first day of the service or within the last day of the service.
2. **Account transfer and send the proof of the payment** (the deposit slip) **via email** ttd@swpark.or.th
   - **ธนาคารกรุงเทพ** สาขาอุทยานวิทยาศาสตร์
     Saving Account Number: **080-0-00001-0**
     Account Name: **สำนักงานพัฒนาวิทยาศาสตร์และเทคโนโลยีแห่งชาติ**
   - **ธนาคารกรุงไทย** สาขาตลาดไท
     Saving Account Number: **152-1-32668-1**

Account Name: **สำนักงานพัฒนาวิทยาศาสตร์และเทคโนโลยีแห่งชาติ**

Notes:

○ Withholding tax (3%) is exempt.

○ Should you need to withdraw, you must send the notice of the withdrawal in writing no later than 7 working days before the commencement date. The cancellation less than 7 days will be subject to a fine of 40% of the fee.

○ Software Park Thailand reserves the rights to cancel courses due to unforeseen circumstances.

Contact Person :

For more information, contact our course coordinator on:

Songsiri Sittikun

Tel: +66-2583-9992 Ext. 81426

Email: songsiri@swpark.or.th

You are encouraged to use the course schedule as a guide to plan your training. The schedule is accessible at www.swpark.or.th for more information.