

# Course : Java Web Programming

*Practical course - 5d - 35h00 - Ref. JSP*

*Price : 3070 CHF E.T.*

Java has become indispensable for developing server-side Web applications, thanks especially to Servlet and Java Server Page (JSP) technologies. This course will allow you to successfully carry out a company Web project based on the Java platform. You will find out about MVC (Model View Controller) architectures in order to construct solutions that are robust and easy to expand, with, among others, an introduction to development with the help of the Apache Struts environment. The knowledge acquired by practical work on Tomcat, the leading J2EE implementation, as well as on development tools such as Eclipse or WSAD, will allow you to construct your solutions on various Java applications servers such as WebLogic, WebSphere, Jrun or iPlanet.

## Prerequisites

Goods Knowledges in Java Language and Web's technologies. Experience required in Java programming.

## Practical details

### Hands-on work

The servlet/JSP container used is Tomcat, the leading J2EE implementation. The development environments are Eclipse and WSAD.

## Course schedule

- 1 Review of the company Web applications environment
- 2 Development based on servlets
- 3 Web applications and servlets
- 4 Presentation of Java Server Pages
- 5 Tag libraries
- 6 Accessing databases

## PARTICIPANTS

### PREREQUISITES

Goods Knowledges in Java Language and Web's technologies. Experience required in Java programming.

### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

### TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## 7 Introduction to Struts

## 8 Making the application secure

- Security in a Web environment. Notions of users, realms, roles.
- Authentication and authorisation.
- Security and programming servlets.
- Installing and configuring SSL. Digital certificates.
- Java Authentication and Authorization Service.
- Configuring Tomcat.

### Hands-on work

Adding access security to the site constructed.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) to review your request and its feasibility.

## 9 Other development techniques