

DE311

JAVA

Java Servlets and Java Server Pages (JSP)

 Laboratory course**DURATION**
2 DAYS**REGULAR FEE**
0 \$**PREFERENTIAL FEE**
0 \$

Objectives

To provide the knowledge and skills required to create dynamic documents using Java Server Pages (JSP) and Servlets.

Targeted audience

Software developers (other than supervisors) and Web specialists.

Prerequisite

Practical experience with the [Java language](#) (Course DE204) and [HTML](#) (Course WE106).

Content

- Configuring the execution environment
- Servlets: definition, invocation, life-cycle, requests and responses
- The HTTP protocol: the GET and POST methods, response codes and headers
- Developing, configuring and deploying servlets: the `HttpServletRequest`, `HttpServletResponse` and `ServletContext` classes, and Servlet Event Listeners
- Java Server Pages (JSP): specification, life-cycle, syntax, semantics and implicit objects
- Handling exceptions
- Java Beans and the Expression Language
- The JSP Standard Tag Library (JSTL): specification, expression language, tags
- Custom JSP tags: role, interface, attributes, configuration, managers and descriptors
- Managing state in a Web application
- Declarative and programmatic security
- Internationalization: content coding, the implementation of i19n and formatting,
- Deployment and structure of a Web application that meets specifications
- Introduction to AJAX and its technological role

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