

Java wird in allen IT-Bereichen eingesetzt und ist für die Entwicklung von Applikationen für unzählige Betriebssysteme und Plattformen, vom mobilen Telefon bis hin zur Echtzeit-Großrechneranlage geeignet.

Ihr Nutzen

Der Teilnehmer erlernt das Anwenden von Tools und Libraries für die Erstellung von Web-Komponenten aus JavaServerPages und Java Servlet-Erweiterungen. Die Teilnehmer erlernen die optimalen Verfahren für das Analysieren, Entwerfen, Entwickeln, Testen und Bereitstellen von Web-Anwendungen mit Java-Technologien.

Preis pro Teilnehmer

EUR 2200,- exklusive der gesetzlichen MwSt.

Seminardauer

5 Tag(e)/Day(s)

Seminarinhalte

1. Tag
 - * Introduction to Java Servlets
 - Describe web applications, CGI, and the role of Java
 - Describe benefits of Java servlet technology
 - Create a simple Java Servlet
 - Define three-tier architecture
 - Define Model-View-Controller (MVC) architecture
 - * Introduction to Java Server Pages
 - Describe why Servlets are not the whole solution
 - Describe essentials of JSPs
 - Understand the fundamentals for MVC architecture
2. Tag
 - * Implementing an MVC Design
 - Code a controller using a servlet
 - Code a view using a JSP
 - Forward control from a servlet to a JSP
 - Fundamentals of EL (Expression Language)
 - Implement a simple MVC system
 - * The servlet's environment
 - Understand more details of the HTTP protocol
 - Fundamentals of HTML forms, HttpServlet and related APIs
 - Write code that manages client sessions and cookies
3. Tag
 - * Container facilities for servlets and JSPs
 - Purpose and structure of deployment descriptors
 - Control context root and servlet mapping
 - Create and use context and init parameters
 - Use annotations to configure servlets
 - * More view facilities
 - The four data scopes
 - Dot and array access operators with Java Beans
 - arrays, and collections, EL implicit objects
 - Create and use arithmetic expressions in EL
 - * Developing JSP pages
 - JSP scripting elements, declarations and directives
 - Use JSP implicit variables
 - jsp: tags
 - * Developing JSP pages using custom tags
 - Recognize correct syntax for tags
 - Configure a JSP to use tags from the JSTL
 - Write JSP code using several standard tags
 - List capabilities of JSTL tags
4. Tag

Voraussetzungen

Fundamentals of the Java Programming Language~4272
Grundkenntnisse in HTML~1222t

oder dem entsprechende Kenntnisse

Hinweise

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Version:

- * More Controller facilities
- Understand the servlet lifecycle
- advanced elements of the servlet APIs
- Create filters and use them in web applications
- * More options for the Model
- Understand the roles of JDBC and JPA
- Understand the many elements that make up the model
- Fundamentals of connecting to a database using JDBC or JPA
- 5. Tag
 - * Asynchronous web applications
 - AJAX-style client side programming
 - Implement asynchronous servlets
 - * Web application security
 - Understand the role of the container in security
 - Authentication models, Encryption
 - JAAS, pluggable/extensible authentication

