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Java EE 6 Web Component Developer Certified Expert Exam



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this Exam

Exam Number:	1Z0-899	Duration:	120 Minuten
Associated Certifications:	Oracle Certified Expert, Java Platform, EE 6 Web Component Developer	Number of Questions:	57
Exam Product Version:	Java EE,	Passing Score:	64% View passing score policy
Exam Price:	€ 193 Mehr zu den Prüfungsgebühren	Validated Against:	This exam has been validated against EE 6. format: Multiple Choice

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This exam directly replaced exam 1Z0-894 Java Platform, Enterprise Edition 6 JavaServer Pages and Servlet Developer Certified Expert Exam. [More](#)

Exam Preparation

Exam Topics

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 and reasons for MVC architecture

Implementing an MVC Design

- ▶ Code a controller using a servlet
- ▶ Code a view using a JSP
- ▶ Forward control from a servlet to a JSP
- ▶ Understand fundamentals of EL
- ▶ Implement a simple MVC system

The servlet's environment

- ▶ Understand more details of the HTTP protocol
- ▶ Understand fundamentals of HTML forms
- ▶ Understand fundamentals of the HttpServlet and related APIs
- ▶ Write code that manages client sessions and cookies

Container facilities for servlets and JSPs

- ▶ Understand the 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

- ▶ Understand the four data scopes
- ▶ Understand and use EL dot and array access operators with Java Beans, arrays, and collections
- ▶ Understand and use EL implicit objects
- ▶ Create and use arithmetic expressions in EL
- ▶ Identify the need for iteration and selection in the view, and use JSTL tags to address those needs

Developing JSP pages

- ▶ Understand the origins, benefits, and weaknesses of JSPs
- ▶ Describe JSP technology, the conversion of JSPs to servlets, and the lifecycle of JSPs
- ▶ Understand JSP scripting elements, declarations and directives
- ▶ Use JSP implicit variables
- ▶ Understand and use jsp: tags

Developing JSP pages using custom tags

- ▶ Relate the JSTL to common job roles in web application development and understand the use of tags in JSP development
- ▶ 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/span>

More Controller facilities

- ▶ Understand the servlet lifecycle
- ▶ Describe and use more 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
- ▶ Understand fundamentals of connecting to a database using JDBC or JPA

Asynchronous web applications

- ▶ Understand the interactions that are essential to asynchronous web pages
- ▶ Understand the role of AJAX-style client side programming
- ▶ Implement asynchronous servlets using the facilities of Java EE 6

Web application security

- ▶ Understand the role of the container in security
- ▶ Describe and implement four authentication models
- ▶ Force the use of encryption between a web application and the client browser
- ▶ Understand the role of JAAS in pluggable/extensible authentication for web applications

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