

# Sun Certified Web Component Developer for J2EE 5

1. Your IT department is building a lightweight Front Controller servlet that invokes an application logic object with the interface:

A. `RequestDispatcher view= request.getRequestDispatcher(viewURL);view.forward(request, response);`

B. `Dispatcher view= request.getDispatcher(viewURL);view.forwardRequest(request, response);`

C. `Dispatcher view= context.getDispatcher(viewURL);view.forwardRequest(request, response);`

D. `RequestDispatcher view= context.getRequestDispatcher(viewURL);view.forward(request, response);`

**Answer(s):** A

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2. Within the web application deployment descriptor, which defines a valid JNDI environment entry?

A. `<env-entry>< env-entry-name>param/MyExampleString</env-entry-name>< env-entry-value>This is an Example</env-entry-value>< /env-entry>`

B. `<env-entry>< env-entry-type>java.lang.Boolean</env-entry-type>< env-entry-value>>true</env-entry-value>< /env-entry>`

C. `<env-entry>< env-entry-name>param/MyExampleString</env-entry-name>< env-entry-type>int</env-entry-type>< env-entry-value>10</env-entry-value>< /env-entry>`

D. `<env-entry>< env-entry-name>param/MyExampleString</env-entry-name>< env-entry-type>java.lang.String</env-entry-type>< env-entry-value>This is an Example</env-entry-value>< /env-entry>`

**Answer(s):** D

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3. Which method must be used to encode a URL passed as an argument to

A. HttpServletResponse.encodeURL

B. ServletResponse.encodeURL

C. HttpServletResponse.encodeRedirectURL

D. ServletResponse.encodeRedirectURL

**Answer(s): C**

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4. Which two are valid values for the element inside a element of a web application deployment descriptor? (Choose two.)

A. NULL

B. CONFIDENTIAL

C. INTEGRAL

D. SECURE

E. ENCRYPTED

**Answer(s): B,C**

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5. Your web application uses a simple architecture in which servlets handle requests and then forward to a JSP using a request dispatcher. You need to pass information calculated by the servlet to the JSP; furthermore, that JSP uses a custom tag and must also process this information. This information must NOT be accessible to any other servlet, JSP or session in the webapp. How can you accomplish this goal?

A. Add an attribute to the context object before using the request dispatcher.

B. Store the data in a public instance variable in the servlet.

C. This CANNOT be done as the tag handler has no means to extract this data.

D. Add an attribute to the request object before using the request dispatcher.

**Answer(s): D**

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6. You have a use case in your web application that adds several session-scoped attributes.

A. The object of the manager attribute should implement the HttpSessionListener and it should call the removeAttribute method on the appropriate session attributes.

B. The object of the manager attribute should implement the HttpSessionBindingListener and it should call the removeAttribute method on the appropriate session attributes.

C. The object of the manager attribute should implement the HttpSessionBindingListener and it should call the deleteAttribute method on the appropriate session attributes.

D. The object of the manager attribute should implement the HttpSessionListener and it should call the deleteAttribute method on the appropriate session attributes.

**Answer(s): B**

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7. You need to create a servlet filter that stores all request headers to a database for all requests to the web application's home page "/index.jsp". Which HttpServletRequest method allows you to retrieve all of the request headers?

A. String[] getHeaderNames()

B. java.util.Enumeration getHeaderNames()

C. String[] getRequestHeaders()

D. java.util.Iterator getRequestHeaders()

E. java.util.Iterator getHeaderNames()

F. java.util.Enumeration getRequestHeaders()

**Answer(s): B**

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8. Given the web application deployment descriptor elements:

A. `<include/>`

B. `<filter-condition>INCLUDE</filter-condition>`

C. `<filter-condition>include</filter-condition>`

D. `<dispatcher>INCLUDE</dispatcher>`

E. `<dispatcher>include</dispatcher>`

**Answer(s): D**

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9. You have built a web application with tight security. Several directories of your webapp are used for internal purposes and you have overridden the default servlet to send an HTTP

A. `<error-page>< error-code>403</error-code>< url>/WEB-INF/jsp/error403.jsp</url>< /error-page>`

B. `<error-page>< error-code>403</error-code>< location>/WEB-INF/jsp/error403.jsp</location>< /error-page>`

C. `<error-page>< status-code>403</status-code>< location>/WEB-INF/jsp/error403.jsp</location>< /error-page>`

D. `<error-page>< status-code>403</status-code>< url>/WEB-INF/jsp/error403.jsp</url>< /error-page>`

**Answer(s): B**

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10. Which implicit object is used in a JSP page to retrieve values associated with entries in the deployment descriptor?

A. config

B. application

C. session

D. request

**Answer(s): B**

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**11.** A developer for the company web site has been told that users may turn off cookie support in their browsers. What must the developer do to ensure that these customers can still use the web application?

A. The developer can ignore this issue. Web containers are required to support automatic URL rewriting when cookies are not supported.

B. The developer must provide an alternate mechanism for managing sessions and abandon the HttpSession mechanism entirely.

C. The developer must add the string `id=<sessionid>` to the end of every URL to ensure that the conversation with the browser can continue.

D. The developer must ensure that every URL is properly encoded using the appropriate URL rewriting APIs.

**Answer(s): D**

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**12.** Given the two security constraints in a deployment descriptor:

A. `<auth-constraint>< role-name>*</role-name>< /auth-constraint>`

B. `<auth-constraint>< role-name>MARKETING</role-name>< /auth-constraint>`

C. `<auth-constraint/>`

D. `<auth-constraint>< role-name>ANY</role-name>< /auth-constraint>`

**Answer(s): A,B**

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**13.** A JSP page needs to set the property of a given JavaBean to a value that is calculated with the JSP page. Which three `jsp:setProperty` attributes must be used to perform this initialization? (Choose three.)

A. param

B. val

C. value

D. property

E. name

F. id

G. attribute

**Answer(s):** C,D,E

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**14.** In which three directories, relative to a web application's root, may a tag library descriptor file reside when deployed directly into a web application? (Choose three.)

A. /WEB-INF/tlds

B. /META-INF

C. /META-INF/tlds

D. /WEB-INF

E. /META-INF/resources

F. /WEB-INF/resources

**Answer(s):** A,D,F

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**15.** For manageability purposes, you have been told to add a "count" instance variable to a critical JSP Document so that a JMX MBean can track how frequent this JSP is being invoked. Which JSP code snippet must you use to declare this instance variable in the JSP

A. `<jsp:scriptlet.declaration>int count = 0;< jsp:scriptlet.declaration>`

B. `<%! int count = 0; %>`

C. `<jsp:declaration>int count = 0;< jsp:declaration>`

D. `<jsp:declaration.instance>int count = 0;< jsp:declaration.instance>`

**Answer(s): C**

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**16.** Your web application views all have the same header, which includes the