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Exam Name: Java EE 6 Web Component Developer
Certified Expert Exam

Version: DEMO

QUESTION 1

APIs for dynamically registering servlets and filters can be called at:

- A. Context initialization time
- B. Any time
- C. There is no way to dynamically register servlets and filters
- D. Context destruction time
- E. Injected into a servlet context

Answer: A

QUESTION 2

ServletRegistration.Dynamic can be used to configure (Choose two)

- A. Filter mappings
- B. add init params
- C. set asyncSupported to true
- D. add Listeners

Answer: AB

QUESTION 3

A web application wants to register a new servlet at runtime using one of the `servletContext.addServlet` methods.

In the implementation of which method is it legal to perform this operation?

- A. `AsyncListener.oncomplete`
- B. `Servlet.init`
- C. `ServletContextListener.contextInitialize`
- D. `ServletRequestListener.contextInitialize`

Answer: C

QUESTION 4

You want to create a filter for your web application and your filter will implement `javax.servlet.Filter`. Which two statements are true? (Choose two)

- A. Your filter class must implement an `init` method and a `destroy` method.
- B. Your filter class must also implement `javax.servlet.FilterChain`.
- C. When your filter chains to the next filter, it should pass the same arguments it received in its `doFilter` method.
- D. The method that your filter invokes on the object it received that implements `javax.servlet.FilterChain` can invoke either another filter or a servlet.
- E. Your filter class must implement a `doFilter` method that takes, among other things, an `HttpServletRequest` object and an `HttpServletResponse` object.

Answer: AD

QUESTION 5

You have a simple wpb application that has a single Front Controller servlet that dispatches to JSPs generate a variety of views. Several of these views require further database processing to retrieve the necessary order object using the orderID request parameter. To do this additional processing, you pass the request first to a servlet that is mapped to the URL pattern /WEB-INF/retrieveOrder.do. in the deployment descriptor. This servlet takes two request parameters, the ordered and the jspID and the jspURL. It handles the database calls to retrieve and build the complex order objects and then it dispatches to the jspURL.

Which code snippet in the Front Controller servlet dispatches the request to the order retrieval servlet?

- A. `request.setAttribute("orderId", orderID);`
`request.setAttribute("jspURL", jspURL);`
`= context.getRequestDispatcher("/WEB-INF/retrieveOrder.do"); view.forward(request, response)`
- B. `request.setAttribute("orderId", orderID);`
`request.setAttribute("jspURL", jspURL);`
`Dispatcher view`
`= request.getRequestDispatcher("/WEB-INF/retrieveOrder.do"); View.forwardRequest(request, response);`
- C. `String T = "/WEB-INF/retrieveOrder.do?orderId = %&;jspURL = %s";` `String url = String.format(T, ordered, jspURL);`
`= context.getRequestDispatcher(url);`
`View.forward(request, response);`
- D. `String T = "/WEB-INF/retrieveOrder.do?orderId = %&;jspURL = %s";` `String url = String.format(T, ordered, jspURL);`
`= context.getRequestDispatcher(url);`
`View.forwardRequest(request, response);`

Answer: C

QUESTION 6

Given the JavaBean class:

```
public class MyBean {
    private Boolean roasted = false;
    public MyBean () {}
    public Boolean isRoasted () { return roasted }
    public void setRoasted (Boolean roasted) { this.roasted = roasted; }
}
```

Assume a controller has created an instance of this bean, called `setRoasted(true)`, and inserted the bean into the application scope using the name "myBean".

A JSP contains these two tags:

```
<jsp:useBean id = "aBean" class = "MyBean" scope = "page" \ />
<jsp:getProperty name = "aBean" property = "roasted" \ />
```

Which is true?

- A. the page will include the output false
- B. the page will include the output
- C. the page will report that the property roasted does not exist
- D. the page will report that the syntax of the useBean tag is incorrect
- E. the page will report that the syntax of the getProperty tag is incorrect

Answer: E

QUESTION 7

A developer chooses to avoid using `singleThreadModel` but wants to ensure that data is updated in a thread safe manner.

Which two can support this design goal? (Choose two)

- A. Store the data in a local variable.
- B. Store the data in an instance variable.
- C. Store the data in the `HttpSession` object.
- D. Store the data in the `servletContext` object.
- E. Store the data in the `ServletRequest` object.

Answer: AE

QUESTION 8

You have a use in your web application that adds several session-scoped attributes. At the end of the use case, one of these objects, the manager attribute, is removed and then it needs to decide which of the other session-scoped attributes to remove.

How can this goal be accomplished?

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

QUESTION 9

The Squeaky Beans Inc. shopping application was initially developed for a non-distributed environment. The company recently purchased the Acme Application Server, which supports distributed `HttpSession` objects. When deploying the application to the server, the deployer marks it as distributable in the web application deployment descriptor to take advantage of this feature.

Given this scenario, which two must be true? (Choose two)

- A. The J2EE web container must support migration of objects that implement `Serializable`.
- B. The J2EE web container must use the native JVM Serialization mechanism for distributing `HttpSession` objects.
- C. As per the specification, the J2EE web container ensures that distributed `HttpSession` objects will be stored in a database.
- D. Storing references to Enterprise JavaBeans components in the `HttpSession` object might NOT be supported by J2EE web container.

Answer: AD

QUESTION 10

Given an `HttpServletRequest` request and an `HttpServletResponse` response:

```
41. HttpSession session = null;
42. // insert code here
43. if (session == null) {
44. // do something if session does not exist
45. } else {
46. // do something if session exists
47. }
```

To implement the design intent, which statement must be inserted at line 42?

- A. `session = response.getSession ();`
- B. `session = request.getSession ();`
- C. `session = request.getSession (true);`
- D. `session = request.getSession (false);`
- E. `session = request.getSession ("jsessionid");`

Answer: D

QUESTION 11

Users of your web application have requested that they should be able to set the duration of their sessions. So for example, one user might want a webapp to stay connected for an hour rather than the webapp's default of fifteen minutes; another user might want to stay connected for a whole day.

Furthermore, you have a special login servlet that performs user authentication and retrieves the object from the database. You want to augment this code to set up the user's specified session duration.

Which code snippet in the login servlet will accomplish this goal?

- A. `User user = // retrieves the user objects object from the database session.setDurationInterval (user.getSessionDuration());`
- B. `User user = // retrieves the User objects from the database session.setInactiveInterval (user.getSessionDuration());`
- C. `User user = // retrieves the user objects object from the database session.setInactiveInterval (user.get.SessionDuration());`
- D. `User user = // retrieves the user objects object from the database session.setDuration (user.getSessionDuration());`
- E. `User user = // retrieves the user objects object from the database session.setMaxInactiveInterval (user.getSessionDuration());`
- F. `User user = // retrieves the user objects object from the database session.setMaxDurationInterval (user.getSessionDuration());`

Answer: E

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