

Exam 2 JSP

Due Apr 26, 2018 at 12:15pm**Points** 150**Questions** 50**Available** Apr 26, 2018 at 11am - Apr 26, 2018 at 12:15pm about 1 hour**Time Limit** 75 Minutes

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	29 minutes	126 out of 150

Score for this quiz: **126** out of 150

Submitted Apr 26, 2018 at 11:31am

This attempt took 29 minutes.

Question 1

3 / 3 pts

The client typically uses a _____ to interact with a web application over the Internet.

Correct!**Correct Answers**

browser

web browser

Question 2

3 / 3 pts

A web application runs on the server computer under the control of _____ software.

Correct!**Correct Answers**

web server

Question 3**3 / 3 pts**

A web server replies to an HTTP request by sending a message known as a/an _____.

Correct!**Correct Answers**HTTP response
response**Question 4****3 / 3 pts**

To work with servlets and JSPs, the web server must contain the JDK, web server software, and a servlet/JSP _____.

Correct!**Correct Answers**engine
container**Question 5****3 / 3 pts**

A JavaServer Page typically contains the _____ for the web page.

Correct!

HTML

Correct Answers

HTML

Question 6**3 / 3 pts**

A servlet/JSP application typically contains a presentation layer, a business rules layer, and a _____.

Correct!

data layer

Correct Answers

data access layer

data layer

Question 7**3 / 3 pts**

The context.xml file is always stored in the _____ directory of an application.

Correct!

META-INF

Correct Answers

META-INF

Question 8**3 / 3 pts**

To transfer your web application files to a web server, you can use a/an _____ client such as FileZilla.

☐ HTTP (Hypertext Transfer Protocol)

Correct!

- ☐ JDK (Java Development Kit)
- ☐ HTML (Hypertext Markup Language)
- ☒ FTP (File Transfer Protocol)

Question 9**3 / 3 pts**

The specification that describes how web servers can interact with all Java web technologies is known as

Correct!

- ☐ The Java Development Kit (JDK)
- ☒ The Java Enterprise Edition (Java EE)
- ☐ The Application Server
- ☐ The HyperText Transfer Protocol

Question 10**3 / 3 pts**

To develop Java web applications, you can use an Integrated Development Environment (IDE) such as:

Correct!

- ☒ NetBeans or Eclipse
- ☐ Firefox or Netscape
- ☐ FileZilla or CuteFTP
- ☐ Tomcat or Apache

Question 11**3 / 3 pts**

Which directory stores the Java classes of a servlet/JSP application?

Correct!

- ☐ WEB-INF
- ☒ WEB-INF\classes
- ☐ META-INF
- ☐ META-INF\classes

Question 12**3 / 3 pts**

In the MVC pattern, the view consists of HTML pages and _____.

Correct!**Correct Answers**

JavaServer Pages
JSPs

Question 13**3 / 3 pts**

In the MVC pattern, the controller is a _____.

Correct!**Correct Answers**

servlet

Question 14**3 / 3 pts**

A/an _____ file contains the tags that define the content of a web page.

Correct!**Correct Answers**

HTML

Question 15**3 / 3 pts**

A/an _____ consists of special Java tags such as Expression Language (EL) tags that are embedded within HTML.

Correct!**Correct Answers**

JSP

JavaServer Page

Question 16**3 / 3 pts**

Since the web.xml file describes how the web application should be configured when it is deployed on a server, the file is known as the

- ☐ the request object
- ☐ style sheet (SS)
- ☐ app config file (ACD)
- ☒ deployment descriptor (DD)

Correct!

Question 17**3 / 3 pts**

The controller manages the flow of the application, and this work is done by one or more

Correct!

- ☐ request objects
- ☒ servlets
- ☐ JSPs
- ☐ data access classes

Question 18**3 / 3 pts**

Which of the following is *not* a benefit of using the MVC pattern for an application?

Correct!

- ☐ it's easier to test and debug the application
- ☐ JSPs are used for what they do best
- ☐ servlets are used for what they do best
- ☒ it requires less code

Question 19**3 / 3 pts**

When an HTML page requests a servlet with the HTTP POST method, the _____ method of the servlet class is called.

Correct!**Correct Answers**

doPost

Question 20**3 / 3 pts**

To map a servlet to a URL pattern, you can use the `@WebServlet` annotation, or you can add code to the _____ file.

Correct!**Correct Answers**

web.xml

Question 21**3 / 3 pts**

When the server removes a servlet from memory, it calls the servlet's _____ method.

Correct!**Correct Answers**

destroy

Question 22**3 / 3 pts**

Within a servlet, instance variables are not _____ and can result in serious problems.

Correct!

Correct Answers

thread-safe

Question 23**3 / 3 pts**

To make sure that parameter values aren't displayed in the URL when a servlet is requested, you should use the _____ method in the form tag.

Correct!

POST

Correct Answers

post

Question 24**3 / 3 pts**

In the code that follows, DiagnoseTrouble

```
<servlet-mapping>
    <servlet-name>DiagnoseTrouble</servlet-name>
    <url-pattern>/diagnostics/diagnoseTrouble</url-pattern>
</servlet-mapping>
```

☐ is the name of the servlet class

Correct!

☒ is the internal name for the servlet class that's used in the deployment descriptor☐ is the name that's used to request the servlet**Question 25****0 / 3 pts**

In the code that follows, the servlet is mapped to

```
<servlet-mapping>
  <servlet-name>DiagnoseTrouble</servlet-name>
  <url-pattern>/diagnostics/diagnoseTrouble</url-pattern>
</servlet-mapping>
```

Correct Answer

- ☐ the /diagnostics/diagnoseTrouble URL of the document root directory
- ☐ the /diagnostics/diagnoseTrouble URL of the current directory

You Answered

- ☒ any URL in the /diagnostics/diagnoseTrouble directory of the document root directory

- ☐ any URL in the /diagnostics/diagnoseTrouble directory of the current directory

Question 26

3 / 3 pts

To define a/an _____ initialization parameter that's available to all servlets in the web application, you code a/an _____ element.

- ☐ context, init-param
- ☐ servlet, init-param
- ☐ servlet, context-param
- ☒ context, context-param

Correct!

Question 27

3 / 3 pts

The following code

```
String[] mailTypes = request.getParameterValues("mail");
```

Correct!

- ☐ returns the name of all request parameters from the mail.jsp page
- ☐ returns the first value of the mail parameter or null if none exist
- ☒ returns all values of the mail parameter or null if none exist
- ☐ returns the values of all request parameters from the mail.jsp page
- ☐ is invalid

Question 28

3 / 3 pts

If you attempt to run a JSP that contains a coding error, the server typically returns an error page with HTTP Status _____.

Correct!

Correct Answers

500

Question 29

3 / 3 pts

With a standard JSP tag, you can use the _____ tag to get the values stored in a bean.

Correct!

Correct Answers

getProperty

Question 30**3 / 3 pts**

To include HTML or JSP files within a JSP at runtime, you can use a/an _____ import tag.

Correct!**Correct Answers**

JSTL

Question 31**0 / 3 pts**

Which of the following is a valid JSP comment?

You Answered☒ `// comment`☐ `<!--comment -->`**Correct Answer**☐ `<%-- comment --%>`☐ `</comment>`**Question 32****3 / 3 pts**

If the following JSP tag is coded in a JSP named index.jsp, what happens when the reports.jsp file is updated?

```
<jsp:include page="includes/reports.jsp" />
```

☐ the changes don't appear in the subsequent requests for the index.jsp file**Correct!**☒ the changes appear for subsequent requests for the index.jsp file

☐ a JSP error is thrown

Question 33**3 / 3 pts**

The advantages of EL are

- ☐ more elegant and compact syntax
- ☐ allows you to access nested properties
- ☐ does a better job of handling null values
- ☐ more functionality
- ☒ all of the above

Correct!**Question 34****3 / 3 pts**

When you code a/an _____ join, rows are only included when the key of a row in the first table matches the key of a row in the second table.

Correct!**Correct Answers**

inner

Question 35**0 / 3 pts**

A/an _____ is a column that is used to relate each row in one table with one or more rows in another table.

You Answered

Correct Answers

foreign key

Question 36**0 / 3 pts**

The result set retrieved by the following SELECT statement contains rows that have

```
SELECT Balance, Num  
FROM Accounts  
WHERE Balance < 0
```

☐ one column from the Balance table where the Num column is less than 0☐ two columns from the Balance table where the Num column is less than 0

You Answered

☒ all columns from the Accounts table where the Balance column is less than 0

Correct Answer

☐ two columns from the Accounts table where Balance column is less than 0**Question 37****3 / 3 pts**

The INSERT statement that follows inserts

```
INSERT INTO Download (UserID, DownloadDate, DownloadFilename, ProductCode)  
VALUES (1, NOW(), 'jr01_filter.mp3', 'jr01')
```

☐ four rows and four columns into the Download table

Correct!

- ☒ one row and four columns into the Download table
- ☐ four rows and one column into the Download table
- ☐ one row and three columns into the Download table

Question 38**0 / 3 pts**

When you code a script that contains more than one statement, you must code a/an _____ at the end of each statement.

Correct Answer☐ semicolon☐ colon**You Answered**☒ comma☐ period**Question 39****0 / 3 pts**

Keeping track of users as they move around a web site is known as _____.

You Answered**Correct Answers**

session tracking

Question 40**3 / 3 pts**

By default, the servlet API uses a/an _____ to store a session ID in each browser.

Correct!

cookie

Correct Answers

cookie

Question 41

3 / 3 pts

To store the data for each session, the server creates a/an _____.

Correct!

session object

Correct Answers

session object

Question 42

3 / 3 pts

It is not recommended to implement session tracking by using URL encoding, because it can lead to session _____.

Correct!

hijacking

Correct Answers

hijacking

Question 43

3 / 3 pts

To get an array of all the cookies stored by the browser, you use the _____ method of the request object.

Correct!**Correct Answers**

getCookies

Question 44**0 / 3 pts**

A servlet can retrieve the current session object by using the getSession method of the

☐ HttpSession class☒ response object☐ the request object☐ the ServletContext object**You Answered****Correct Answer****Question 45****3 / 3 pts**

Which of the following statements causes an error?

☒ `String name = session.getAttribute("name");`☐ `Book book = (Book) session.getAttribute("book");`☐ `session.setAttribute("name", "Ted Andrews");`☐ `session.removeAttribute("name");`**Correct!****Question 46****0 / 3 pts**

The cookie named mediaCookie in the following statement can be accessed by

```
mediaCookie.setPath("/");
```

☐ only the current directory

☐ the entire web application

☒ the entire web server

☐ anyone

Correct Answer

You Answered

Question 47

3 / 3 pts

The following link demonstrates how to use

```
<a href="schedule?user_id=${user.id}" >
```

View your schedule

```
</a>
```

☒ URL rewriting

☐ URL encoding

☐ hidden fields

☐ cookies

Correct!

Question 48

3 / 3 pts

The advantages of using hidden fields over URL rewriting to pass parameters from a browser to the server are

☐

a hidden field can contain spaces and other special characters that are difficult to work with when using URL rewriting

☐

the user can see the parameters by using the browser to look at the page's source code

☐

no limit to the number of characters that can be stored in a hidden field

☐

both a and b

☒

both a and c

Correct!

Question 49

3 / 3 pts

When you set an attribute in the session object, the attributes are

☐

available until the user closes the browser

☐

available until the session times out

☐

available until you use the removeAttribute method to remove an attribute from the session object

☒

all of the above

Correct!

Question 50

3 / 3 pts

Typical uses for cookies are

☐

to allow users to skip login and registration forms

Correct!

- ☐ to customize pages that display info like weather reports, sports scores, etc.
- ☐ to focus advertising like banner ads that target the user's interests
- ☒ all of the above

Quiz Score: **126** out of 150