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TH-7023-Sem 4-Web Component
Development using Java's report

Submitted on Aug 02 2023 08:07:16 IST

**12.0 (60%)**

scored out of 20

**Passed**in the assignment (Cut-off score \geq 40%)**16**

problems attempted out of 16

Test time analysis

**22m 15s**

time taken for completion

**Aug 01 2023 13:07:18 IST**

test invite time

**Aug 02 2023 07:45:00 IST**

test start time

**Aug 02 2023 08:07:16 IST**

test end time

Performance summary

**9**

solutions accepted

**7**

solutions rejected

Solutions

Problem Name	Problem Type	Status	Score
Web Development Pages and Servlets	MCQ	ACCEPTED	1.0 / 1
Web Development Pages and Servlets	MCQ	REJECTED	0.0 / 1
Web Development Pages and Servlets	MCQ	ACCEPTED	1.0 / 1
Web Development Pages and Servlets	MCQ	REJECTED	0.0 / 1
Web Development Pages and Servlets	MCQ	ACCEPTED	1.0 / 1
Web Development Pages and Servlets	MCQ	REJECTED	0.0 / 1
Web Development Pages and Servlets	MCQ	ACCEPTED	1.0 / 1
Web Development Pages and Servlets	MCQ	REJECTED	0.0 / 1
Web Development Pages and Servlets	MCQ	REJECTED	0.0 / 1
Web Development Pages and Servlets	MCQ	ACCEPTED	1.0 / 1
Web Development Pages and Servlets	MCQ	ACCEPTED	1.0 / 1
Web Development Pages and Servlets	MCQ	REJECTED	0.0 / 1
Web Development Pages and Servlets	MCQ	REJECTED	0.0 / 2

Problem Name	Problem Type	Status	Score
Web Development Pages and Servlets	MCQ	ACCEPTED	2.0 / 2
Web Development Pages and Servlets	MCQ	ACCEPTED	2.0 / 2
Web Development Pages and Servlets	MCQ	ACCEPTED	2.0 / 2

Detailed Report

Problem 1 : Web Development Pages and Servlets

MCQ

SCORE: 1

As per JSP 3.0 release, as part of Jakarta EE 9, major update was renaming of javax.servlet.jsp to which of these packages?

Solution

ACCEPTED

SCORE: 1.0 / 1

servlet.jsp	
CANDIDATE'S ANSWER	CORRECT ANSWER
jakarta.servlet.jsp	
servlet.Jakarta.jsp	
None of these	

Problem 2 : Web Development Pages and Servlets

MCQ

SCORE: 1

Which of the following are benefits of JSP in Jakarta EE applications?

Solution

REJECTED

SCORE: 0.0 / 1

CANDIDATE'S ANSWER

Allows development of complex N-Tier Applications

CORRECT ANSWER**CANDIDATE'S ANSWER**

Supports the use of javaBean components with JSP language elements.

CORRECT ANSWER

Dynamic content is difficult to generate using standard tags provided by JSP.

CANDIDATE'S ANSWER

Web pages are platform-dependent

Problem 3 : Web Development Pages and Servlets

MCQ

SCORE: 1

What is the error code if time taken by client is very long to send the request (only available in HTTP 1.1)?

Solution

ACCEPTED

SCORE: 1.0 / 1

302	
401	
404	
CANDIDATE'S ANSWER	CORRECT ANSWER
408	

Problem 4 : Web Development Pages and Servlets

MCQ

SCORE: 1

Which of the following is true about Apache Tomcat Server?

Solution

REJECTED

SCORE: 0.0 / 1

CANDIDATE'S ANSWER

Apache Tomcat is free and open-source.

CORRECT ANSWER**CANDIDATE'S ANSWER**

It is a servlet container for Java-based programming applications, such as Java servlets, Java Server Pages (JSP), and Java Expression Language.

CORRECT ANSWER

Uses more memory and resources.

CORRECT ANSWER

Tomcat supports Secure Socket Layer (SSL)

Problem 5 : Web Development Pages and Servlets

MCQ

SCORE: 1

The ___ method returns the Multipurpose Internet Mail Extensions (MIME) type of the request body or null if the type is not known.

Solution

ACCEPTED

SCORE: 1.0 / 1

CANDIDATE'S ANSWER	CORRECT ANSWER
getContentType()	
getWriter()	
getOutput()	
getHeader()	

Problem 6 : Web Development Pages and Servlets

MCQ

SCORE: 1

To secure the cookies from hackers on the Web, they can be configured with ___ and ___ settings.

Solution

REJECTED

SCORE: 0.0 / 1

Secure	CORRECT ANSWER
Http	CORRECT ANSWER
CANDIDATE'S ANSWER HttpOnly	
CANDIDATE'S ANSWER Cookie	

Problem 7 : Web Development Pages and Servlets

MCQ

SCORE: 1

The ____ annotation provides file information to the server while uploading its content.

Solution

ACCEPTED

SCORE: 1.0 / 1

Multipart	
CANDIDATE'S ANSWER MultipartConfig	CORRECT ANSWER
FilepartConfig	
Filepart	

Problem 8 : Web Development Pages and Servlets

MCQ

SCORE: 1

The ___ object represents data in a tabular form that is retrieved by executing an SQL query.

Solution

REJECTED

SCORE: 0.0 / 1

Connection	
CANDIDATE'S ANSWER Statement	
ResultSet	CORRECT ANSWER
DriverManager	

Problem 9 : Web Development Pages and Servlets

MCQ

SCORE: 1

The persistence unit is defined in a special descriptor file named _____.

Solution

REJECTED

SCORE: 0.0 / 1

CANDIDATE'S ANSWER

web.xml

persistence-config.xml

persistence.xml

CORRECT ANSWER

entity.xml

Problem 10 : Web Development Pages and Servlets

MCQ

SCORE: 1

JSP Model 2 is commonly known as _____.

Solution

ACCEPTED

SCORE: 1.0 / 1

CANDIDATE'S ANSWER	CORRECT ANSWER
Model-View-Controller	
Front Controller	
Singleton Object	
Delegation Model	

Problem 11 : Web Development Pages and Servlets

MCQ

SCORE: 1

Identify the correct syntax of open() method.

Solution

ACCEPTED

SCORE: 1.0 / 1

CANDIDATE'S ANSWER	CORRECT ANSWER
open(method,url,async)	
open(action,url,async)	
open(async,url,method)	
open(method,action,async)	

Problem 12 : Web Development Pages and Servlets

MCQ

SCORE: 1

The ____ class is used to process the request asynchronously within the Servlet.

Solution

REJECTED

SCORE: 0.0 / 1

CORRECT ANSWER

jakarta.servlet.AsyncContext

jakarta.servlet.Async

CANDIDATE'S ANSWER

javax.servlet.AsyncServlet

javax.servlet.AsyncServletContext

Problem 13 : Web Development Pages and Servlets

MCQ

SCORE: 2

It is based on two data structures, _____ and _____.

Solution

REJECTED

SCORE: 0.0 / 2

Objects, Arrays	CORRECT ANSWER
Graph, Queue	
Objects, List	
CANDIDATE'S ANSWER Arrays, List	

Problem 14 : Web Development Pages and Servlets

MCQ

SCORE: 2

_____ refers to converting objects to JSON string.

Solution

ACCEPTED

SCORE: 2.0 / 2

CANDIDATE'S ANSWER	CORRECT ANSWER
JSON Serialization	
JSON Deserialization	
JSON()	
JSON Object	

Problem 15 : Web Development Pages and Servlets

MCQ

SCORE: 2

Which of the following code snippets demonstrates Maven dependency for server push correctly?

Solution

ACCEPTED

SCORE: 2.0 / 2

CANDIDATE'S ANSWER	CORRECT ANSWER
<pre><dependency> <groupId>jakarta.servlet</groupId> <artifactId>jakarta.servlet-api</artifactId> <version>4.0.0</version> </dependency></pre>	
<pre><dependency> <groupId>jakarta.servlet</groupId> <artifactId>jakarta.servlet-api</artifactId> </dependency></pre>	
<pre><dependency> <artifactId>jakarta.servlet-api</artifactId> <version>4.0.0</version> </dependency></pre>	
<pre><dependency> <artifactId>jakarta.servlet-api</artifactId> <version>4.0.0</version> </dependency></pre>	

Problem 16 : Web Development Pages and Servlets

MCQ

SCORE: 2

Which of the following is correct syntax to forward the client request to a different resource?

Solution

ACCEPTED

SCORE: 2.0 / 2

CANDIDATE'S ANSWER

```
public void forward(ServletRequest request, ServletResponse response) throws IOException, ServletException
```

```
public void forward(ServletRequest request, ServletResponse response)
```

```
public void (ServletRequest request, ServletResponse response) throws IOException, ServletException
```

```
public void init(ServletRequest request, ServletResponse response) throws IOException, ServletException
```

CORRECT ANSWER