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

Submitted on Sep 21 2023 17:14:08 IST

14.0 (70%)
scored out of 20

Passed
in the assignment (Cut-off score >= 40%)

16
problems attempted out of 16

Test time analysis

15m 38s
time taken for completion

Sep 19 2023 09:02:14 IST
test invite time

Sep 21 2023 16:58:29 IST
test start time

Sep 21 2023 17:14:08 IST
test end time

Performance summary

10
solutions accepted

6
solutions rejected

Solutions

Problem Name	Problem Type	Status	Score
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** / 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	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	ACCEPTED	**1.0** / 1
Web Development Pages and Servlets	MCQ	ACCEPTED	**1.0** / 1
Web Development Pages and Servlets	MCQ	ACCEPTED	**2.0** / 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

REJECTED   SCORE: **0.0** / 1

CANDIDATE'S ANSWER

servlet.jsp

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

ACCEPTED SCORE: **1.0** / 1

CANDIDATE'S ANSWER	CORRECT ANSWER
Allows development of complex N-Tier Applications	

CANDIDATE'S ANSWER	CORRECT ANSWER
Supports the use of JavaBean components with JSP language elements.	

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

Web pages are platform-dependent

Problem 3 : Web Development
Pages and Servlets

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	CORRECT ANSWER
Apache Tomcat is free and open-source.	

CANDIDATE'S ANSWER	CORRECT 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.	

CANDIDATE'S 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

REJECTED   SCORE: **0.0** / 1

CORRECT ANSWER

getContentType()

getWriter()

getOutput()

CANDIDATE'S ANSWER

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**
CANDIDATE'S ANSWER Http	**CORRECT 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

REJECTED SCORE: **0.0** / 1

Multipart
MultipartConfig   **CORRECT ANSWER**
CANDIDATE'S 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

CORRECT ANSWER
ResultSet

DriverManager

Problem 9 : Web Development
Pages and Servlets

MCQ | SCORE: **1**

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

Solution

ACCEPTED | SCORE: **1.0** / 1

web.xml

persistence-config.xml

CANDIDATE'S ANSWER   **CORRECT ANSWER**
persistence.xml

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

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

ACCEPTED SCORE: **1.0** / 1

CANDIDATE'S ANSWER	CORRECT ANSWER
jakarta.servlet.AsyncContext	
jakarta.servlet.Async	
javax.servlet.AsyncServlet	
javax.servlet.AsyncServletContext	

Problem 13 : Web Development Pages and Servlets

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

Solution

ACCEPTED | SCORE: **2.0** / 2

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

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

Solution

ACCEPTED   SCORE: **2.0** / 2

CANDIDATE'S ANSWER	**CORRECT ANSWER**

```
<dependency>    <groupId>jakarta.servlet</groupId>    <artifactId>jakarta.servlet-api</artifactId>    <version>4.0.0</version>    </dependency>
```

```
<dependency>    <groupId>jakarta.servlet</groupId>    <artifactId>jakarta.servlet-api</artifactId>        </dependency>
```

```
<dependency>        <artifactId>jakarta.servlet-api</artifactId>    <version>4.0.0</version>    </dependency>
```

```
<dependency>        <artifactId>jakarta.servlet-api</artifactId>    <version>4.0.0</version>    </dependency>
```

Problem 16 : Web Development
Pages and Servlets

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	CORRECT 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