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Quiz 7: Message-Oriented Middleware Results for Yufu Liao

Score for this quiz: 52.92 out of 100 *

* Some questions not yet graded

Submitted Oct 23 at 11:02pm

This attempt took 58 minutes.

Move To... This element is a more accessible alternative to drag & drop reordering. Press Enter or Space to move this question.

Question 1

16.67 / 25 pts

What are the message types supported by JMS?

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Answer 1:

Correct! TextMessage

Correct! 26704

TextMessage

Answer 2:

Correct! MapMessage

Correct! 71814

MapMessage

Answer 3:

You Answered ByteMessage

Correct Answer 35796

BytesMessage

Answer 4:

You Answered SteamMessage

Correct Answer 42200

StreamMessage

Answer 5:

Correct! ObjectMessage

Correct! 56382

ObjectMessage

Answer 6:

Correct! Message

Correct! 48367

Message

Move To... This element is a more accessible alternative to drag & drop reordering. Press Enter or Space to move this question.

Question 2

25 / 25 pts

Match the JMS headers below with the purpose.

Correct! 92781

Whether message is sent point-to-point (unicast) or broadcast.

JMSDeliveryMode

Correct! 46658

Identifier assigned to a message by the MOM when it is sent.

JMSMessageID

Correct! 1990

The input queue where the message should be deposited.

JMSDestination

Correct! 70862

Identifies the request message for which a message is a response.

JMSCorrelationID

Correct! 42553

The form of payload of the message.

JMSType

Correct! 95716

Based on the acknowledge mode set by the application, the message may have been delivered more than once (at-least-once semantics).

JMSRedelivered

Move To... This element is a more accessible alternative to drag & drop reordering. Press Enter or Space to move this question.

Question 3

Not yet graded / 25 pts

Provide the annotation for a JMS message-driven bean that specifies that it should be activated for messages received on the JMS queue with JNDI name "jms/Alerts", and only for messages with property AlertType set to 'Containment' and message priority less than 5.

Your Answer:

```
@MessageDriven( mappedName = "jms/Alerts",
```

```
    activationConfig = {
```

```
        @ActivationConfigProperty(
```

```
            propertyName = "messageSelector",
```

```
            propertyValue = "AlertType = 'Containment' "
```

```
        )
```

```
    }
```

```
    )
```

```
session.createConsumer("JMSPriority < 5")
```

Move To... This element is a more accessible alternative to drag & drop reordering. Press Enter or Space to move this question.

Question 4

11.25 / 25 pts

Match the messaging design pattern with its purpose.

Correct! 88146

Invoke a procedure in another application.

Command Message

You Answered 55205

Transfer data between processes.

Event-driven Consumer

Data Message

Correct! 22057

Notification that something has happened.

Event Message

Correct! 42331

Record messages that could not be processed due to format errors.

Invalid Message Channel

Correct! 88474

Record messages that could not be delivered by their deadline.

Dead Letter Channel

You Answered 76594

Receiver of a message repeatedly tests for arrival of a message.

Messaging Gateway

Polling Consumer

You Answered 41761

Receiver of a message registers a listener that notifies it of receipt of a message.

Polling Consumer

Event-driven Consumer

You Answered 77188

The next message received in a queue is nondeterministically assigned to the first consumer that receives it.

Competing Consumers

You Answered 6520

A single message receiver mediates which among a pool of message consumers receives the next message on a queue.

Message Dispatcher

You Answered 88886

Encapsulate queuing logic within an application.

Messaging Gateway

You Answered 36632

Wrap a legacy system using message queues for communication with other applications.

Channel Adapter

Correct! 26604

Break up a compound message into smaller component messages.

Splitter

Correct! 6047

Stores component messages that are received, until a compound message can be reconstructed from the received component messages.

Aggregator

You Answered 46470

Direct messages on a single input channel to one of several output channels based on attributes associated with the messages.

Competing Consumers

Content-Based Router

You Answered 2532

Break a compound message into smaller components, route those components to appropriate processing points, and reassemble the results as a new compound message.

Scatter-Gather

Composed Message Processor

You Answered 67078

Duplicate an input message on several output channels.

Channel Adapter

Publish-subscribe

Correct! 92954

Store messages in a database, for reference and retrieval.

Message Store

You Answered 25263

Broadcast request message to several destinations, and collect the responses.

Publish-subscribe

Scatter-Gather

Correct! 61689

Perform sequential routing on a message, ensuring in advance that the prerequisites for each stage of processing are satisfied.

Routing Slip

Correct! 48932

Perform sequential routing on a message, making decisions at run-time on the order in which the processing steps on the message should be performed.

Process Manager

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Quiz Submissions

- [*This score is pending review, and may change Attempt 1: 52.92*](#)

Yufu Liao has no attempts left

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