W04 Quiz: Chapter 4

Due Oct 8 at 11:59pm   **Points** 25   **Questions** 10

Available Sep 24 at 12am - Dec 14 at 11:59pm   **Time Limit** None

Allowed Attempts 2

Instructions

Task: Take a quiz on Chapter 4: Encoding and Evolution from the textbook.

Purpose: This will give you an opportunity to ponder and practice what you have learned.

Notes

- You are given two attempts to achieve your best score, but your second attempt may not have the same questions as your first attempt.
- This quiz is open book.

Testing Topics:

- The formats for encoding data, like JSON, XML, and binary variants.
- The data flow modes for databases.
- The data flow modes for REST and RPC services.

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[**Take the Quiz Again**]

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Attempt History

	Attempt	Time	Score
LATEST	[Attempt 1](#)	34 minutes	22.5 out of 25

⚠ Correct answers will be available on Oct 9 at 12am.

Score for this attempt: **22.5** out of 25
Submitted Oct 3 at 10:25pm
This attempt took 34 minutes.

Partial	**Question 1**	2 / 2.5 pts

Web services are merely the latest incarnation of which of the following technologies? (More than one answer may apply)

- ☑ Enterprise JavaBeans (EJB)

- ☑ Java's Remote Method Invocation (RMI)

- ☐ XML

- ☑ Distributed Component Object Method (DCOM)

- ☑ Common Object Request Broker Architecture (CORBA)

Question 2   2.5 / 2.5 pts

Older code can read data written by newer code when the system is forward compatible.

- ◉ True

- ○ False

Question 3   2.5 / 2.5 pts

Newer code can read data written by older code when the system is forward compatible.

- ○ True

○ False

Question 4

2 / 2.5 pts

Which of the following are places where programs represent data? (More than one answer may apply)

☑ In memory

☑ In objects

☐ In a file

☑ In a struct

☑ In a hash table

Question 5

2 / 2.5 pts

Chapter 4 discusses which of the following communication paradigms? (More than one answer may apply)

☑ Representational State Transfer (REST)

☑ Remote Procedure Calls

☐ Remote Method Invocations

☑ Message-passing systems like actors

☑ Message-passing systems like message queues

Question 6

1.5 / 2.5 pts

Thrift interface definition language (IDL) defines which of the following? (More than one answer may apply)

☑ member index

☑ mandatory or optional

☑ data type

☐ member name

☐ structure name

Question 7

2.5 / 2.5 pts

Servers expose an API over the network.

◉ True

○ False

Question 8

2.5 / 2.5 pts

Custom RPC protocols with a binary encoding format can achieve better performance than something generic like JSON over REST.

○ True

○ False

Question 9   2.5 / 2.5 pts

The decoding process needs to be able to instantiate arbitrary classes to restore data in the same object types.

◉ True

○ False

Question 10   2.5 / 2.5 pts

A table or collection in a schemaless database may hold a mixture of older and newer data.

◉ True

○ False

Quiz Score: **22.5** out of 25