

# Exam2 on July 10, (9pm-1.59 am EST)

**Due** No due date      **Points** 110      **Questions** 27

**Available** Jul 10 at 9pm - Jul 11 at 1:59am about 5 hours      **Time Limit** 60 Minutes

## Instructions

Exam2: Focus is on HW2 (i.e., Middleware, Web, XML and semantic web) and Ch. 2 and 3, and also on Proj2

This quiz was locked Jul 11 at 1:59am.

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	31 minutes	101 out of 110

Score for this quiz: **101** out of 110

Submitted Jul 10 at 9:41pm

This attempt took 31 minutes.

### Question 1

5 / 5 pts

The following are the defining characteristics of middleware (True/False) :

- Business unaware
- Above networks
- Below apps
- Connect remotely located systems

**Correct!**☒ True☐ False**Question 2****3 / 3 pts**

Which ones of the following are considered as middleware (select 3)

**Correct!**☒ Web Browser**Correct!**☒ web server**Correct!**☒ ESB (Enterprise Service Bus)☐ Network Router☐ payment system**Question 3****1 / 1 pts**

In HW2, you were asked to represent your car by using XML and OWL

☐ True**Correct!**☒ False

**Question 4****0 / 1 pts**

Wikipedia is a good example of RDF and semantic web

**Correct Answer****You Answered**☐ True☒ False**Question 5****2 / 2 pts**

XML is more useful for information exchanges between programs than the internal logistics of a program (True or False)

**Correct!**☒ True☐ False**Question 6****1 / 1 pts**

Web Services allow you to populate your portal without having to buy expensive software packages

**Correct!**☒ True☐ False**Question 7****2 / 2 pts**

can a DTD add semantics to an XML document

**Correct!**☒ True☐ False**Question 8****1 / 1 pts**

XSL can be used to translate an XML document into a diagram

**Correct!**☒ True☐ False**Question 9****2 / 2 pts**

JSON is somewhat similar to XML

**Correct!**☒ True☐ False**Question 10****1 / 1 pts**

RSS uses xml to show structure of documents, websites, etc

**Correct!**☒ True☐ False**Question 11****1 / 1 pts**

OWL stands for Our Web Language

**Correct!**☐ True☒ False**Question 12****2 / 2 pts**

Ontology is like a dictionary and a common vocabulary

**Correct!**☒ True☐ False**Question 13****10 / 10 pts**

Did you Post HW2 on the Discussion Forum on time?

(Remember: we will check and you will get 0 for cheating)

☐ No**Correct!**☒ Yes**Question 14****3 / 3 pts**

Does [www.w3schools.com](http://www.w3schools.com) (<http://www.w3schools.com>) has tutorials on the following topics (pick 3)

☐ enterprise architectures☐ Mobile Computing**Correct!**☒ XML**Correct!**☒ SQL

**Correct!**☐ SOA☒ HTML**Question 15****9 / 9 pts**

Given the following simple XML document

```
<?xml version="1.0"?>
< note>
  < to>Pat </to>
  < from>Joe</from>
  < heading>Reminder</heading>
  < body> Let us have lunch tomorrow</body>
< /note>
```

Pick only 3 statements that are true

☐ XML and HTML are the same**Correct!**☒

This xml document describes a "Note" element with 4 sub-elements

**Correct!**☒ DTD will validate this XML document☐

This xml document describes a "Note" element with 5 sub-elements

☐ This xml document describes a restaurant menu

**Correct!**

XML can be used to describe a room, a car, a computer and many other pieces of information



XSL is not needed to translate this document to HTML



XML is a programming language

**Question 16****15 / 15 pts**

Given the architectural client/server configurations in Figure 1 in HW2, select only 3 statements that are *true*:



remote sql cannot be used in configuration c



configuration e is known as thin client



Configuration e is very suitable for cheap handsets with virtually no capabilities

**Correct!**

configuration e will give best performance

**Correct!**

configuration a is most secure





**Correct!**

- ☐ Computer C2 MUST be in the cloud
- ☒ configuration e will minimize the network traffic
- ☐ This architectural configuration represents a 3 tier system

**Question 17****12 / 12 pts**

. About SPACE Tool: Which ones of the following statements are true (please pick only 3)

**Correct!**

- ☐ SPACE does not include Patterns
- ☐ the ePlanner Learning Corner has only 3 stages
- ☐ SPACE does not produce an IT Plan

**Correct!**

- ☒ the BIC circle includes an executive summary
- ☐ SPACE does not include Gamification
- ☒ Space covers the entire learn-plan-do-check cycle

**Correct!**

- ☐ SPACE does not include cost-benefit analysis
- ☐ The BIC circle does not include a Funding proposal
- ☒ BIC Circle includes a sample portal
- ☐ P1 is the first phase of SPACE

- ☐ SPACE does not include Architecture considerations

**Question 18****12 / 12 pts**

Which ones of the following statements are true (select only 3):

**Correct!**

Workflows are used to show how information flows between systems



WoTs are not discussed on the [www.w3c.org](http://www.w3c.org) [\(http://www.w3c.org/\)](http://www.w3c.org/) site.



CGI is a database management system



Knowledge of semantics does not help in system integration

**Correct!**

EA includes business plus technologies



Ontologies carry no semantics

**Correct!**

Some Amazon Web Services can be used to populate your portal

**Question 19****2 / 2 pts**

XML can be used to list the computers needed in an office

**Correct!**

☒ True

☐ False

The following questions are related to Project2

### Question 20

2 / 2 pts

Project2 is a continuation of Project1 in ISEM540 and requires some knowledge of SOA

**Correct!**

☒ True

☐ False

### Question 21

2 / 2 pts

Project2 has two deliverables (A and B)

☐ True

**Correct!**☒ False**Question 22****2 / 2 pts**

Deliverable A primarily concentrates on Portal Design and flow of information within the portal

**Correct!**☒ True☐ False**Question 23****0 / 2 pts**

Self assessment by using SPACE is explained in Appendix A

**You Answered**☒ True**Correct Answer**☐ False**Question 24****0 / 2 pts**

B2B integration is a required part of Project2

You Answered

☒ True

Correct Answer

☐ False

### Question 25

5 / 5 pts

Did you make substantive comment on at least 2 HW2 postings?

Remember, we can check the Discussion Forum

Correct!

☒ True

☐ False

### Question 26

2 / 6 pts

Which ones of the following are considered as the Keys of an SOA system (select 3)

Correct Answer

☐ Reusable Components

☐ payment system

You Answered

☒ SQL☐ Network Router

Correct!

☒ Web Enablement

Correct!

☒ ESB (Enterprise Service Bus)**Question 27****4 / 4 pts**

Which ones of the following statements are true for an ESB (pick any 2).

☐ An ESB primarily supports Hardware diagnostics☐ An ESB primarily supports healthcare applications

Correct!

☒ An ESB supports communications between components

Correct!

☒ An ESB supports Directory and Security Services**Quiz Score: 101 out of 110**