

☐ d. physical design

Match each of the following types of the application to its definition

Transaction
processing
applications

Data-centred applications that process user requests and update information in a s

Data
processing
applications

Data driven applications that process data in batches without explicit user interventi

Event
processing
systems

Applications where system actions depend on interpreting events from the system's

Block diagrams present a high-level picture of the system structure, which people from



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ENG

_____ is normally a system component that provides one or more services to other modules

Select one:

- ☐ a. sub-system
- ☒ b. Module
- ☐ c. All of the above
- ☐ d. System

[Clear my choice](#)

Search the following

Block diagrams present a high-level picture of the system structure, which people from different disciplines, who are involved in the system development process, can readily understand.

Select one:

- ☒ True
- ☐ False

Next page

Next activity

Books ▶

Jump to...

Match the following

More complex especially for management

places a heavy processing load on both the server and the network

Management

A major disadvantage of thin client

The web services should be first published in the Service Registry before binding from the Service Requestor

Select one:

☒ True

☐ False



أخِلْ اختياري

سؤال 9

تم حفظ الإجابة

الدرجة من 1

٣ عَم هذا السؤال

The middleware provides
_____ in that it isn't
necessary for components to know
the physical locations of other
.components

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storage transparency .a ☐

none of the choices .b ☒

location transparency .c ☒

failure transparency .d ☐

أخِلْ اختياري

سؤال 10

تم حفظ الإجابة

الدرجة من 1



Question 1
Not yet
answered
Marked out of
Flag
question

The majority of systems that use large amounts of **data** are organized around
_____. This model is suited to applications where data is generated by
one sub-system and used by another.

Select one:

- ☐ a. None of the above
- ☒ b. client-server architectural
- ☐ c. repository architectural
- ☐ d. Abstract machine

Question 2
Answer saved

The middleware provides _____ in that it isn't necessary for components to know the
physical locations of other



Reservation systems

Transaction processing systems ⇅

Using fine-grain components improves performance but reduces maintainability.

Select one:

☐ True

☒ False

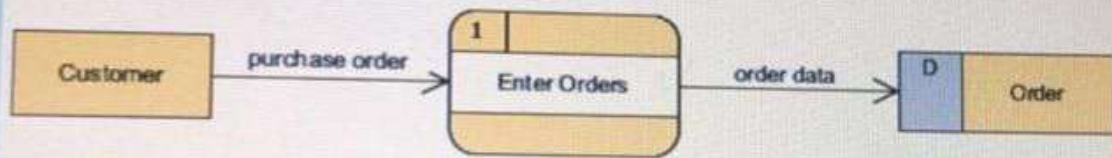
Top-down subroutine model where control starts at the top of a subroutine hierarchy and moves downwards. Applicable to sequential systems

Select one:

☐ a. Distributed Control

Clear my choice

The following Process Example represents a.....



- ☐ a. Language processing systems
- ☒ b. Transaction processing applications
- ☐ c. Event processing systems
- ☐ d. Data processing applications

Answer saved

Marked out of 3

Flag question

user interface design principles: -

-----: The interface should provide meaningful feedback when errors occur and provide context-sensitive user help facilities.

-----: The interface should include mechanisms (آليات) to allow users to recover from errors.

-----: The interface should provide appropriate interaction facilities for different types of system user.

User guidance (توجيه) ⚙

Recoverability ⚙

User diversity (تنوع) ⚙

Question 14

Answer saved

Marked out of 3

Flag question

Match each of the following definitions to its term:

is a system whose operation is degraded if results are not produced according to the specified timing requirements

is a software system where the correct functioning of the system depends on the results produced by the system and the time at which these results are produced

is a system whose operation is incorrect if results are not produced according to the timing specification

soft real-time system ⚙

real-time system ⚙

hard real-time system ⚙

Question 15

Answer saved

Marked out of 3

Flag question

One sub-system has overall responsibility for control and starts and stops other sub-systems

Select one

Type here to search



29°C

Answer saved

Marked out of 2

Flag question

Object request broker is

Select one:

- ☐ a. Application system
- ☐ b. 3 Tiers system
- ☒ c. middleware system
- ☐ d. C/S system

Clear my choice

Question 12

Answer saved

Marked out of 5

Flag question

Match each application type to its proper example

E-commerce systems	Transaction processing systems
Payroll systems	Data processing systems
Billing systems	Data processing systems
Real-time systems	Event processing systems
Reservation systems	Transaction processing systems



Type here to search



29°C

Clear my choice

Question 10

Answer saved

Marked out of 2

Flag question

Interrupt service routines MUST be

Select one:

☒ a. All of them

☐ b. simple

☐ c. short

☒ d. fast

Clear my choice

Previous page

Next page

Type here to search

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Question 8

Answer saved

Marked out of 3

Flag question

Match the following

Increased throughput by adding new resources

Use of equipment and software from different vendors

The ability to continue in operation after a error has occurred

Fault tolerance	↕
openness	↕
Scalability	↕

Question 9

Answer saved

Marked out of 2

Flag question

_____ is system characteristic to include redundant components and mechanisms for fault tolerance.

Select one:

- ☐ a. Maintainability
- ☐ b. Security
- ☒ c. Availability
- ☐ d. Performance

Clear my choice

Type here to search

29°C

Question 3

Incomplete answer

Marked out of 5

Flag question

Match each of the following RT components to its proper function:

_____: Provides information for process scheduling

Real-time clock

_____: Allocates memory and processor resources.

Choose...

_____: Starts ready process execution in processor.

Choose...

_____: Manages aperiodic requests for service.

Choose...

_____: Chooses or selects the next process to be run.

Scheduler

Please answer all parts of the question.

Question 4

Answer saved

Marked out of 5

Match each term to its true definition

concerned with identifying object classes, their attributes and operations

Object-oriented decomposition

Question 1

Answer saved

Marked out of 1

Flag question

Time is not critical in the Real-time systems.

Select one:

☐ True

☒ False

Question 2

Answer saved

Marked out of 5

Flag question

Match each of the following RT components to its proper function:

_____ : Provides information for process scheduling

_____ : Manages aperiodic requests for service.

_____ : Chooses or selects the next process to be run.

_____ : Allocates memory and processor resources.

_____ : Starts ready process execution in processor.

Dispatcher	:
Dispatcher	:
Scheduler	:
Real-time clock	:
Dispatcher	:

Question 3

is achieved when the system uses time-critical, replaceable components.

Type here to search



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سؤال 2

غير مجاب عليه بعد

الدرجة من 2

علم هذا السؤال

created by linking software services
provided by different service
suppliers

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P2P system .a ☐

service-oriented system .b ☒

C/S system .c ☐

سؤال 3

غير مجاب عليه بعد

الدرجة من 2

علم هذا السؤال

is achieved when -----
the system use fine-grain,
.replaceable components

- :user interface design principles

:-----

The interface should include mechanisms (آليات) to allow users to (recover from errors).

إختار...

:-----

The interface should provide meaningful feedback when errors occur and provide context-sensitive user help facilities.

إختار...

:-----

The interface should provide appropriate interaction facilities for different types of system user.

إختار...



سؤال 5

غير مجاب عليه بعد

الدرجة من 2

٣ علم هذا السؤال

Best language used for
:programming of RTS is

اختر أحد الخيارات

net languages. a ☐

Assembly language .b ☐

Java language .c ☐

C language .d ☒

أخلى اختياري

الصفحة التالية



الانتقال إلى...

النشاط التالي

← Chapter 1



Question 11

Not yet answered

Marked out of 2

Flag question

Top-down subroutine model where control starts at the top of a subroutine hierarchy and moves downwards. Applicable to sequential systems

Select one:

- ☒ a. Call-return model
- ☐ b. None of the any stated answers
- ☐ c. Manager model
- ☐ d. Distributed Control

[Clear my choice](#)

Question 12

Not yet answered

Marked out of 3

Flag question

Match each of the following definitions to its term:

is a system

Layered application architecture

Concerned with providing application specific functionality

Concerned with showing the results of a computation to system users and with collecting user inputs

Concerned with managing the system databases

Application processing layer

Presentation layer

Data management layer

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Match each application type to its proper example

Billing systems

Data processing systems



Reservation systems

Transaction processing systems



Payroll systems

Data processing systems



E-commerce systems

Transaction processing systems



Real-time systems

Event processing systems



question 3

object request broker is



Clear my choice

_____ is system characteristic to include redundant components and mechanisms for fault tolerance.

Select one:

- ☐ a. Maintainability
- ☐ b. Security
- ☒ c. Availability
- ☐ d. Performance

Clear my choice

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object request broker is

Select one:

- ☐ a. Application system
- ☐ b. C/S system
- ☐ c. 3 Tiers system
- ☒ d. middleware system

[Clear my choice](#)

☐ d. Performance

[Clear my choice](#)

Question 3

Answer saved

Marked out of 5

[Flag question](#)

Match each term to its true definition

a system component that provides one or more services to other modules

Module

concerned with identifying object classes, their attributes and operations

Object-oriented decomposition

The process for identifying the sub-systems making up a system and the framework for sub-system control and communication

architectural design

Distributed system model which shows how data and processing is distributed across a range of components

Client-Server Model

The output of the design process is a description of

the software architecture

Question 4

Answer saved

Marked out of 5

[Flag question](#)

Match each of the following RT components to its proper function:

_____ : Chooses or selects the next process to be run.

Scheduler

_____ : Allocates memory and processor resources.

Real-time clock

_____ : Starts ready process execution in processor.

Dispatcher

Match each of the following definitions to its term:

is a system whose operation is degraded if results are not produced according to the specified timing requirements

soft real-time system ⇅

is a system whose operation is incorrect if results are not produced according to the timing specification

hard real-time system ⇅

is a software system where the correct functioning of the system depends on the results produced by the system and the time at which these results are produced

real-time system ⇅

2
Match the following

use of equipment and software from different vendors

openness ⇅

Question 18

Answer saved

Marked out of 2

Flag question

Top-down subroutine model where control starts at the top of a subroutine hierarchy and moves downwards. Applicable to sequential systems

Select one:

- ☐ a. Manager model
- ☒ b. Call-return model
- ☐ c. Distributed Control
- ☐ d. None of the any stated answers

Clear my choice

Question 19

Answer saved

Marked out of 2

Flag question

created by linking software services provided by different service suppliers

Select one:

- ☐ a. C/S system
- ☒ b. service-oriented system
- ☐ c. P2P system

Clear my choice



Question 16

Answer saved

Marked out of 5

Flag question

Match each term to its true definition

The output of the design process is a description of

Distributed system model which shows how data and processing is distributed across a range of components

The process for identifying the sub-systems making up a system and the framework for sub-system control and communication

concerned with identifying object classes, their attributes and operations

a system component that provides one or more services to other modules

the software architecture

Client-Server Model

architectural design

Object-oriented decomposition

Module

Question 17

Answer saved

Marked out of 2

Flag question

_____ Model supports the incremental development of systems

Select one:

☒ a. The layered model

☐ b. repository model

☒ c. None of the above

☐ d. Client-server model

Clear my choice

Quiz navigation



Finish attempt...

Time left 0:06:45

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