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

Select one:

○ a. Performance

○ b. Security

○ c. Maintainability

● d. Availability

Clear my choice

incremental development of systems

سؤال 19

غير مجاب عليه بعد

الدرجة من 1

علّم هذا السؤال ⚑

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

اختر أحد الخيارات

Module-based control .a ⊙

Centralised control .b ⦿

Event-based control .c ○

Layered-based control .d ○

أخل اختياري

سؤال 20

تم حفظ الإجابة

الدرجة من 3

علّم هذا السؤال ⚑

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

Match each application type to its proper example

Reservation systems	Choose...	↕
Payroll systems	Choose...	↕
Real-time systems	Choose...	↕
Billing systems	Choose...	↕
E-commerce systems	Choose...	↕

distributed object architectures are _____ to design than C/S systems

Select one:

○ d. physical design

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

Transaction
processing | Data-centred applications that process user requests and update information in a s'
applications

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

Event
processing | Applications where system actions depend on interpreting events from the system's
systems

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

_____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

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

ivity

Jump to...

83°F Sunny

Architectural design is a creative (ابداعي)process, and the activities within the process differ depending on the type of system being developed, the background and experience of the system architect, and the specific requirements for the system.

Select one:
● True
○ False

Editing system is multi user systems

Select one:
● True
● False

Software Engineering, 9th Edition

S

on Date: 25-05-2021)

ures-Ch12

Architecture in ASP.Net

Topic 1

Ch6 Architectural design

t1view-architecture

Ch7 Architectural patterns

Topic 4

8

d

out of

_____ have a profound effect on whether or not the system can meet critical requirements such as performance, reliability, and maintainability.

Select one:

○ a. All the choices

■ b. Architectural design decisions

○ c. Software implementation and testing

○ d. System evolution

9

The process for identifying the sub-systems and the framework for their control and communication is

o search

Match the following

More complex especially for management

| Management | $ |

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

| 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

Match the following

More complex especially for management | Management | $

places a heavy processing load on both the server and the network | A major disadvantage of thin client | $
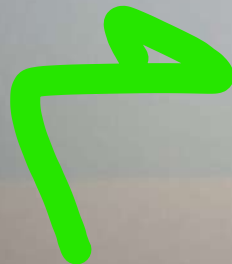
The web services should be first published in the Service Registry before binding from the Service Requestor

Select one:

○ True

● False

أخل اختياري

سؤال 9

تم حفظ الإجابة

الدرجة من 1

علّم هذا السؤال

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

اخترأحد الخيارات

○ storage transparency .a

◉ none of the choices .b

🟢 location transparency .c

○ failure transparency .d

أخل اختياري

سؤال 10

تم حفظ الإجابة

الدرجة من 1

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

Select one:

    ○ a. Event-based control

    ● b. Centralised control

    ○ c. Layered-based control

    ○ d. Module-based control

Clear my choice

is normally a system component that provides one or more

الصفحة الرئيسية ← مقرراتي الدراسية

Software Design ← MidTerm

سؤال 6

تم حفظ الإجابة

الدرجة من 1

⚐ علّم هذا السؤال

Filling the student information into registration web page is an example of:

اختر أحد الخيارات

○ a. Application processing layer

◉ b. Support Layer

🟢 c. Presentation layer

○ d. Data management layer

أخل اختياري

سؤال 7

تم حفظ الإجابة

الدرجة من 1

If performance is a critical requirement, the architecture should be designed to localize critical operations within a small number of subsystems

Select one:
● True

○ False

Next page

الدرجة من 1

علّم هذا السؤال ٣

:The architectural design is

اختر أحد الخيارات

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

The process for identifying .b 🔘
the systems making up sub-
system and the framework
for sub-system control and
communication

The process for identifying .c ◯
the sub-systems making up a
system and the framework
for sub-system control only

Proces of collecting data .d ◯
from people

أخل اختياري

سؤال 9

تم حفظ الإجابة

الدرجة من 1

uestion 1

ot yet
nswered

tarked 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:

O a. None of the above

O b. client-server architectural

O c. repository architectural

O d. Abstract machine

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

1

7

13

19

25

Reservation systems   Transaction processing systems ⇕

Using fine-grain components improves performance but reduces maintainability.
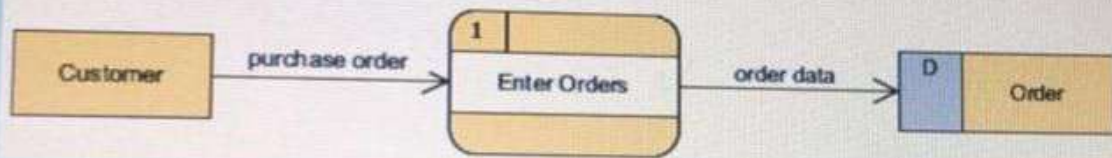
Select one:

○ 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

البوابة التعليمية الإلكترونية لجامعة

Clear my choice

The following Process Example represents a............

| Customer | purchase order → | 1 Enter Orders | order data → | D Order |

○ a. Language processing systems

○ b. Transaction processing applications

○ c. Event processing systems

○ d. Data processing applications

If performance is a critical requirement, the architecture should be designed to localize critical operations within a small number of subsystems

Select one:

○ True

○ False

Next page

Filling the student information into registration web page is an example of:

Select one:

O a. Application processing layer

O b. Presentation layer

O c. Support Layer

O d. Data management layer

_____ is system characteristic to include redundant components and mechanis

Select one:

Data processing applications .d ○

أخل اختياري

سؤال **3**

غير مجاب عليه بعد

الدرجة من 1

علّم هذا السؤال

The main disadvantage in the thin-client model is:

اختر أحد الخيارات

Fault Torelance .a ○

Concurrancy .b ○

Security .c ○

Not mentioned Here .d ○

سؤال **4**

تم حفظ الإجابة •

الدرجة من 1

علّم هذا السؤال

Question 23

Not yet answered

Marked out of 1

⚐ 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. client−server architectural

○ b. Abstract machine

○ c. repository architectural

○ d. None of the above

Question 24

Answer saved

Marked out of 1

⚐ Flag question

Editing system is multi user systems

Select one:

سؤال 8

غير مجاب عليه بعد

الدرجة من 1

علّم هذا السؤال ☐

:The architectural design is

اختر أحد الخيارات

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

◉ b. The process for identifying the systems making up sub-system and the framework for sub-system control and communication

○ c. The process for identifying the sub-systems making up a system and the framework for sub-system control only

○ d. Proces of collecting data from people

أخل اختياري

Question 17

Answer saved

Marked out of 5

⚑ Flag question

Match each application type to its proper example

E-commerce systems	Transaction processing sys
Payroll systems	Transaction processing sys
Real-time systems	Transaction processing sys
Reservation systems	Transaction processing sys
Billing systems	Transaction processing sys

Question 18

Answer saved

Marked out of 3

⚑ Flag question

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

Event

user interface design principles: -

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

User guidance (توجيه) ‹›

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

Recoverability ‹›

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

User diversity (التنوع) ‹›

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 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 ‹›

is a system whose operation is incorrect if results are not produced according to the timing specification
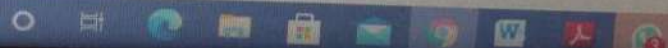
hard real-time system ‹›

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

Select one

object request broker is

Select one:

○ a. Application system

○ b. 3 Tiers system

◉ c. middleware system

○ d. C/S system

Clear my choice

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

Clear my choice

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

29°C

Question 6

Answer saved

Marked out of
2

Flag
question

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

Select one:

O a. sub-system

O b. All of the above

● c. Module

O d. System

Clear my choice

Question 7

Answer saved

Marked out of
2

Flag
question

Best language used for programming of RTS is:

Select one:

● a. C language

O b. .net languages

O c. Java language

O d. Assembly language

Clear my choice

1 2

9 10

17 18

Finish attem

Time left 0:07

Type here to search

29°C

Question 8

Answer saved

Marked out of 3

Flag question

Math the following

Increased throughput by adding new resources   [Fault tolerance ▾]

Use of equipment and software from different vendors   [openness ▾]

The ability to continue in operation after a error has occurred   [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

Concerned with providing application specific functionality

Concerned with managing the system databases

Application processing layer ⬍

Data management layer ⬍

Question 5

Answer saved

Marked out of
2

_____ have a profound effect on whether or not the system can meet critical requirements such as performance, reliability, and maintainability.

Select one:

○ a. Software implementation and testing

◉ b. Architectural design decisions

○ c. All the choices

○ d. System evolution

Clear my choice

Next page

Next activity

Jump to...

Question 3
Incomplete
answer

Marked out of
5

P Flag
question

Match each f 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.

Match each term to its true definition

concerned with identifying object classes, their
attributes and operations | Object-oriented decomposition ◆ |

سؤال **1**

غير مجاب عليه بعد

الدرجة من 2

⚑ علّم هذا السؤال

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

اختر أحد الخيارات

○ a. All of the above

○ b. sub-system

○ c. System

◉ d. Module

أخل اختياري

سؤال **2**

غير مجاب عليه بعد

الدرجة من 2

Question 3

Answer saved

Marked out of
2

🏳 Flag
question

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

Select one:

- ⦿ a. Maintainability

- ○ b. None of them

- ○ c. Security

- ○ d. All of them

  Clear my choice

Question 4

Answer saved

Marked out of
3

🏳 Flag
question

Layered application architecture

Concerned with showing the results of a computation to system users and with collecting user inputs	Presentation layer ⇕
Concerned with providing application specific functionality	Application processing layer ⇕
Concerned with managing the system databases	Data management layer ⇕

Question 5

_____ have a profound effect on whether or not the system can meet critical requirements

سؤال **3**

غير مجاب عليه بعد

الدرجة من 2

۳ علّم هذا السؤال

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

اختر أحد الخيارات

○ a. Maintainability

○ b. All of them

○ c. Security

○ d. None of them

سؤال **4**

تم حفظ الإجابة

الدرجة من 2

۳ علّم هذا السؤال

is system _____

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 f the following RT components to its proper function:

_____: Provides information for process scheduling	Dispatcher ⇕
_____: Manages aperiodic requests for service.	Dispatcher ⇕
_____: 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 ⇕

Question 3

Is achieved when the system use fine-grain replaceable components

🔍 Type here to search

Software Design

Question 6

Not yet answered

Marked out of 5

⚑ Flag question

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

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

_____: Manages aperiodic requests for service. | Dispatcher ⬍ |

_____: Allocates memory and processor resources. | Resource manager ⬍ |

_____: Provides information for process scheduling | Choose... ⬍ |

_____: Starts ready process execution in processor. | Choose... ⬍ |

Question 7

Not yet answered

Marked out of

Layered application architecture

Concerned with showing the results of a computation to system users and with collecting user inputs | Choose... ⬍ |

created by linking software services provided by different service suppliers

اخترأحد الخيارات

○ a. P2P system

○ b. service-oriented system

○ c. C/S system

_____ 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.

إختر...

:_____

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

إختر...

:_____

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

إختر...

elearn.iu.edu.jo/mod/quiz/at

Best language used for programming of RTS is:

اخترأحد الخيارات

○ a. net languages.

○ b. Assembly language

○ c. Java language

◉ d. C language

أخل اختياري

الصفحة التالية

الانتقال إلى... ⇕

النشاط التالي

← Chapter 1

middleware system .d ⦿

<div dir="rtl">

أخلِ اختياري

</div>

<div dir="rtl">

سؤال **8**

غير مجاب عليه بعد

الدرجة من 1

⚑ علّم هذا السؤال

</div>

Time is not critical in the Real–time
systems.

<div dir="rtl">

اختر أحد الخيارات

○ صح

◉ خطأ

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سؤال **9**

غير مجاب عليه بعد

الدرجة من 5

⚑ علّم هذا السؤال

</div>

Match each application type to its
proper example

Billing

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
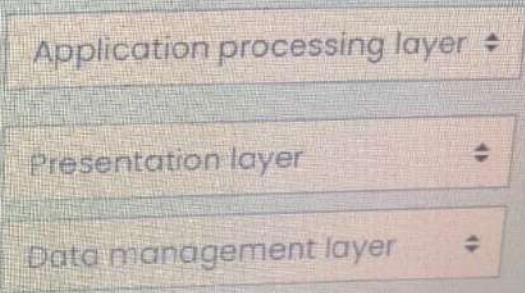
Match each of the following definitions to its term:

is a system

Layered application architecture

Concerned with providing application specific functionality

Application processing layer ▲▼

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

Presentation layer ▲▼

Concerned with managing the system databases

Data management layer ▲▼

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	⬍

object request broker is

_____ 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

.15   user interface design principles: -

سؤال **17**

غير مجاب عليه بعد

الدرجة من 2

⚑ علّم هذا السؤال

have a _____
profound effect on whether or not
the system can meet critical
requirements such as performance,
.reliability, and maintainability

اخترأحد الخيارات

○ System evolution .a

○ Software implementation and .b
testing

◉ Architectural design decisions .c

○ All the choices .d

أخل اختياري

سؤال **18**

غير مجاب عليه بعد

الدرجة من 3

⚑ علّم هذا السؤال

ag
stion

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

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 | ⇕ |

Match each f 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 | ⇕ |

	Transaction processing systems ⬍
E-commerce systems	Transaction processing systems ⬍
Billing systems	Data processing systems ⬍

Interrupt service routines MUST be

Select one:

○ a. short

◉ b. All of them

○ c. fast

○ d. simple

Clear my choice

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

Time is not critical in the Real-time systems.

Select one:

○ True

● False

Match each f 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.

Dispatch

Dispatch

Schedule

Resource manager

Real-time clock

Question 5

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

● b. Call-return model

○ c. None of the any stated answers

○ d. Manager model

Clear my choice

Next page

Jump to...

Answer saved

Marked out of 5

⚑ Flag question

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 f the following RT components to its proper function:

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

| Scheduler | ◆ |

_____: Allocates memory and processor resources.

| Interrupt handler | ◆ |

_____: Starts ready process execution in processor.

| Dispatcher | ◆ |

_____: Manages aperiodic requests for service.

| Resource manager | ◆ |

_____: Provides information for process scheduling

| Real-time clock | ◆ |

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

Math the following

saved

...of equipment and software from different vendors

openness ⇕

Answer saved

Marked out of 3

⚑ Flag question

Layered application architecture

Concerned with providing application specific functionality | Application processing layer ⬍ |

Concerned with managing the system databases | Data management layer ⬍ |

Concerned with showing the results of a computation to system users and with collecting user inputs | Presentation layer ⬍ |

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. Availability

○ c. Security

○ d. Performance

Clear my choice

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

Select one:

○ a. None of them

○ b. All of them

○ c. Security

◉ d. Maintainability

Clear my choice

Next page

Next activity

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

Type here to search

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

Select one:

○ a. Event-based control

○ b. Layered-based control

● c. Centralised control

○ d. Module-based control

Clear my choice

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

Question 15

Answer saved

Marked out of 2

⚑ Flag question

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

Select one:

- ⦿ a. Centralised control
- ○ b. Layered-based control
- ○ c. Module-based control
- ○ d. Event-based control

Clear my choice

Previous page

Next page

Jump to... ⬍

Next activity

Chapter 1 ►

Type here to search

Match each term to its true definition

The output of the design process is a description of

the software architecture ◆

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

Client-Server Model ◆

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

architectural design ◆

concerned with identifying object classes, their attributes and operations

Object-oriented decomposition ◆

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

Module ◆

_____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