Tutorial Letter 102/2/2018

Object-Oriented Analysis

ICT2622

Semester 2

School of Computing

IMPORTANT INFORMATION

Please register on myUnisa, activate your myLife e-mail addresses and make sure that you have regular access to the myUnisa module website, ICT2622-18-S2, as well as your group website.

Note: This is an online module and therefore it is available on myUnisa. However, in order to support you in your learning process, you will also receive some study material in printed format.

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Please note: ICT2622 is a semester module. You need AT LEAST eight hours per week for this module.

If you do not receive your study material immediately after registration, you have to download it from the Internet so that you are able to start IMMEDIATELY with your studies. See tutorial letter 101 for details about the downloading of study material.

To gain admission to the examination you have to submit Assignment 01 (this assignment) in time. The due date is 14 August 2018.

The COSALL tutorial letter contains important general information that you will need during the year such as the names and contact details of lecturers assigned to the different modules.

ASSIGNMENT 1 QUESTIONS

Assignment Administration

Due Date	Refer to the class schedule on *my*Unisa
Submission Procedure	Electronically via *my*Unisa
Number of Questions	15
Total Marks	15
Contribution to Year Mark	30%
Unique Assignment Number	856475

Assignment Questions

Question 1

Two important goals or steps within Core Process one are _____ and _____.

1) identify the problem; choose the project manager
2) describe the solution; obtain project approval
3) identify the solution objective; obtain project approval
4) estimate the cost; identify the iterations

Question 2

The purpose of a class diagram is to _____.

1) document the hierarchy of class relationships
2) document the information requirements in the new system
3) document the methods of classes in the new system
4) document all of the programming classes

Question 3

Detailed design is the thought process of how to program each _____.

1) screen or report
2) subsystem
3) use case
4) package

Question 4

The strength of closed-ended questions is that they _____.

1) limit answers to a set of choices
2) invite discussion and elaboration
3) speed up the interview process
4) are easier for the users to answer

Question 5

_____ requirements are characteristics of the system other than the business procedures it must support.

1) Nonfunctional
2) Implementation
3) Physical
4) System

Question 6

Which of the following items is NOT a part of the application architecture?

1) software
2) programming languages and development tools
3) user-interface technology
4) virtual private networks

Question 7

The event decomposition technique begins by identifying all of the _____.

1) operational users
2) business events
3) system users
4) internal events

Question 8

A(n) _____ event occurs when something happens inside the system that triggers the need for processing.

1) logical
2) state
3) external
4) temporal

Question 9

The UML notation for the <<includes>> relationship is a(n) _____.

1) a solid arrow
2) a straight line
3) a dashed arrow
4) a dashed line

Question 10

One technique to find the “things” that need to be included in the new system begins by starting with a user and the use cases and then try to identify the necessary informational “things.” This technique is called the _____.

1) brainstorming technique
2) domain analysis technique
3) check list technique
4) noun technique

Question 11

An attribute whose value uniquely identifies an object is called a(n) _____.

1) locking attribute
2) unique attribute
3) secure attribute
4) key attribute

Question 12

A concept that allows subclasses to share the characteristics of their superclasses is called _____.

1) aggregation
2) composition
3) inheritance
4) multiplicity

Question 13

Which of the following is the best model to use to document the inputs and the outputs to a system?

1) Activity diagram
2) State chart diagram
3) System sequence diagram
4) Fully developed use case description

Question 14

In a sequence diagram a horizontal dashed line represents what?

1) An input message
2) A return message
3) An event
4) A lifeline

Question 15

What is the primary purpose of the CRUD technique?

1) To identify areas of erroneous definition (CRUD).
2) To validate the interests of the stakeholders
3) To validate the set of defined use cases
4) To validate the set of classes