Tutorial Letter 202/1/2015
Object-Oriented Analysis

ICT2622

Semesters 1

School of Computing

This tutorial letter contains important information about your module.

Bar code

Learn without limits.

UNISA university of south africa

Open Rubric

Dear student
This tutorial letter, designated ICT2622/**202**/2015, contains the solution to Assignment 02.

Solutions in this tutorial letter are taken from the prescribed textbook. These solutions are meant to provide you with guidelines for answering the questions in your assignment.

NOTE: Assignment 01 solution was provided with assignment 01 results via SMS.

These solutions served as guidelines for marking your assignment. Some answers were not be exactly the same as the solution. Marks were awarded to answers that make sense.

- At this stage you should have received the following study material:

- ICT2622/**101**/2015 (start-up letter)
- ICT2622/**301**/2015 (general Information)
- ICT2622/**202**/2015 (this tutorial letter)

If you have not received any of the above tutorial letters, please contact the UNISA at

- e-mail: study-info@unisa.ac.za

Alternatively, download the relevant tutorial matter from:

- our departmental website: http://osprey.unisa.ac.za
- *my*UNISA at http://*my*.unisa.ac.za

Both assignments will contribute 50/50 towards the year mark. And the year mark will contribute 20% towards the final mark, where the exam mark will contribute 80% towards the final mark.

BEST WISHES

THE LECTURERS

ICT2622

Assignment 02 Semester 1 – Compulsory assignment

QUESTION 1 **[10]**

List and explain each of the six information gathering techniques.

[ANSWER]

Amount of detail and listing of techniques may vary

Information gathering techniques include

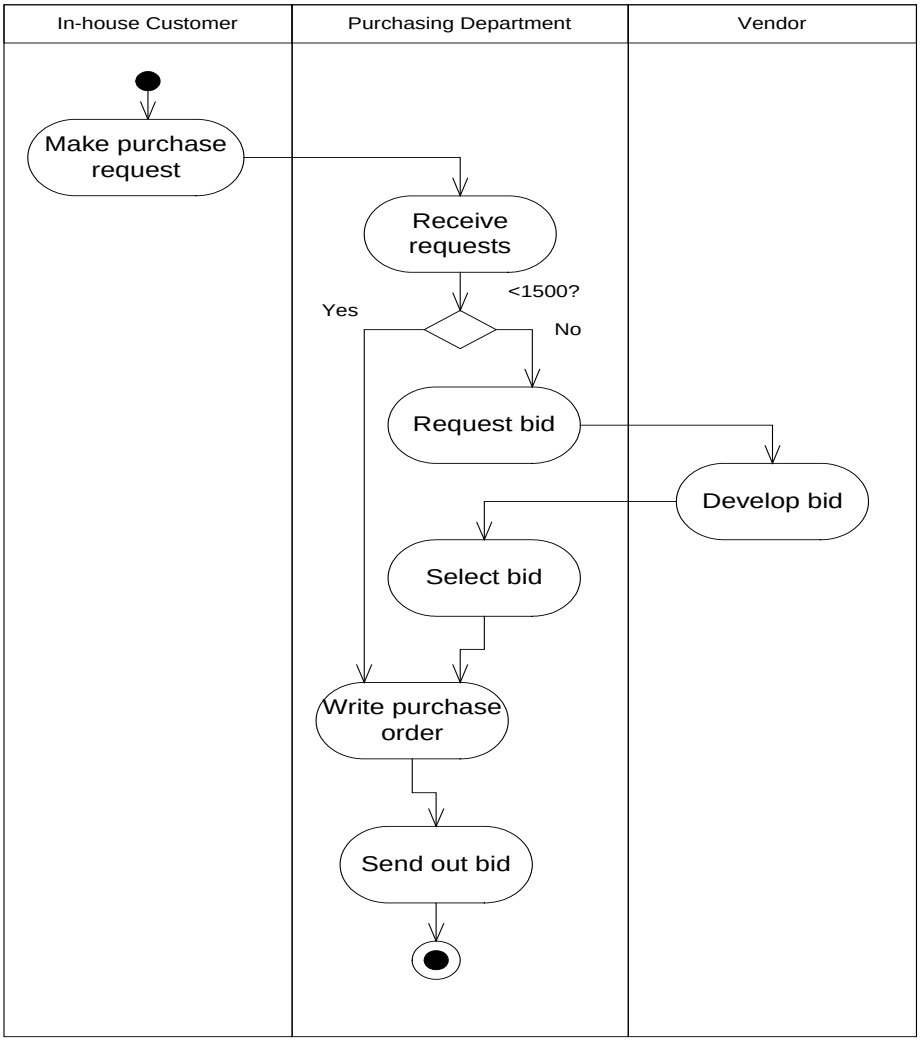
- Interview users and stakeholders – the most effective for information gathering, but the most expensive
- Distribute questionnaires – good for finding overview or summary information from many people
- Review current system documentation – good for understanding current processes
- Observe current business processes – also good for understanding the user's processes and requirements
- Research vendor solutions – good for generating new ideas and learning what already has been done
- Collect user comments – good for finding out about problems with current processes

QUESTION 2 **[15]**

Develop an activity diagram based on the following narrative. Note any ambiguities or questions that you have as you develop the model. If you need to make assumptions, also note them.

The purchasing department handles purchase requests from other departments in the company. People in the company who initiate the original purchase request are the “customers” of the purchasing department. A case worker within the purchasing department receives the request and monitors it until it is ordered and received. Case workers process requests for the purchase of products under R1,500, write a purchase order, and then send it to the approved vendor. Purchase requests over R1,500 must first be sent out for bid from the vendor that supplies the product. When the bids return, the case worker selects one bid and then writes a purchase order and sends it to the vendor.

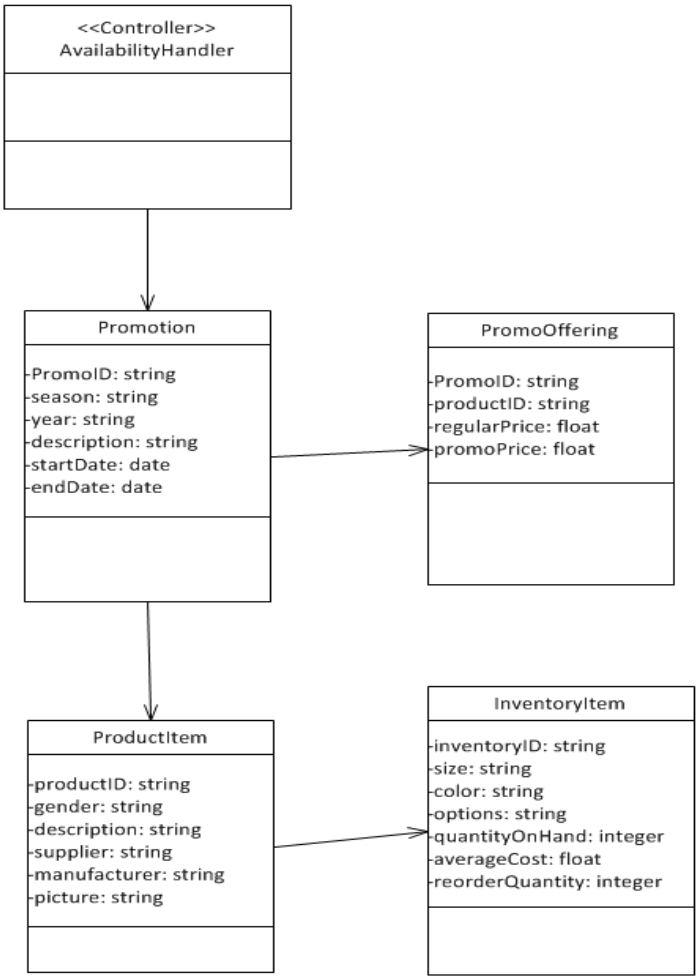
[ANSWER]



QUESTION 3 **[20]**

In chapter 10, a first-cut DCD, a set of CRC cards, and a final DCD were developed for the Create phone sale use case for RMO. Create the same three drawings for the *Look up item availability* use case.

[ANSWER]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-year: string
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-startDate: date
-endDate: date
PromoOffering
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-regularPrice: float
-promoPrice: float
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-gender: string
-description: string
-supplier: string
-manufacturer: string
-picture: string
InventoryItem
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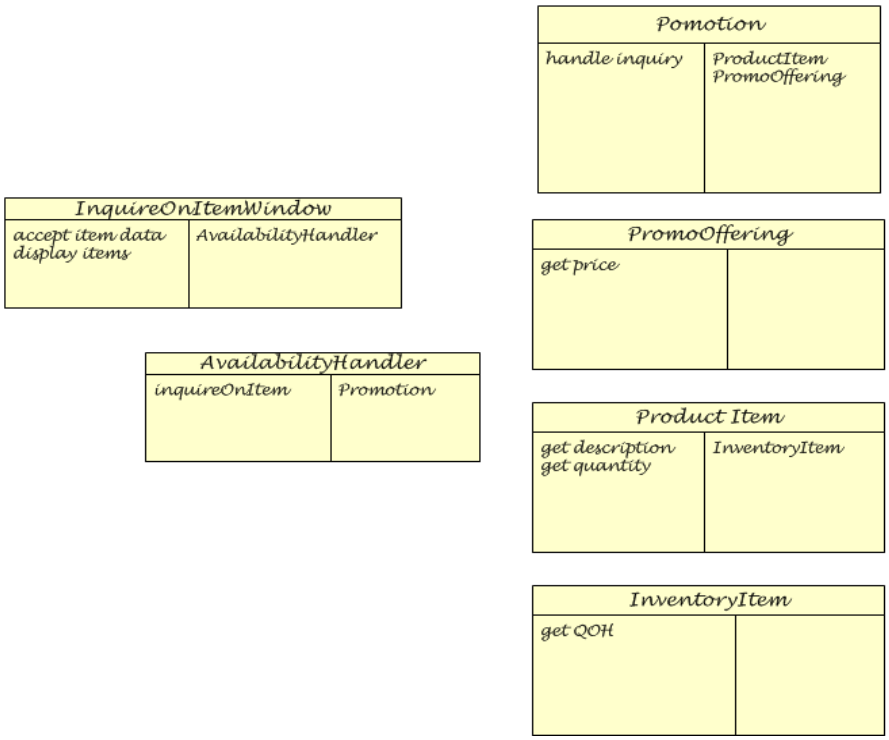
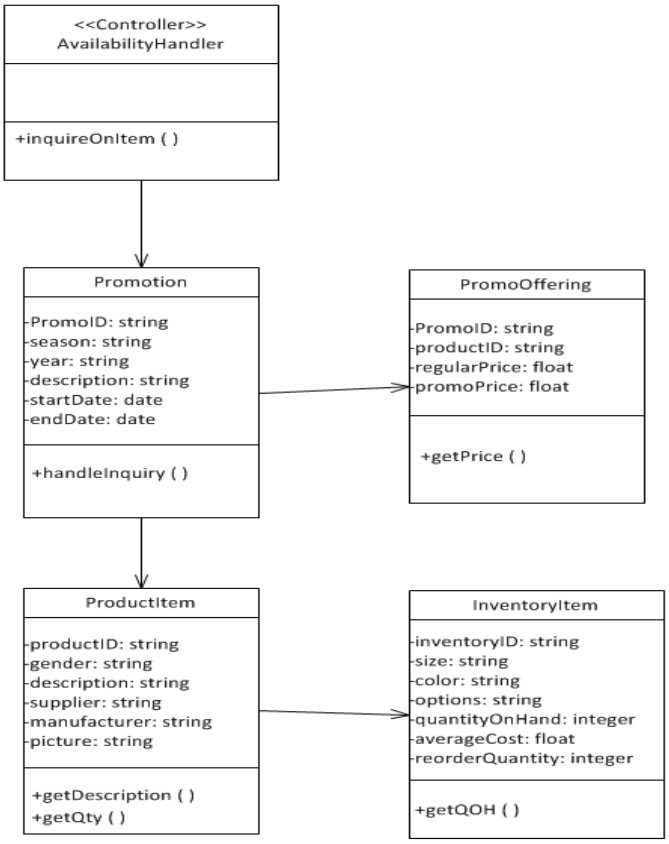
-size: string
-color: string
-options: string
-quantityOnHand: integer
-averageCost: float
-reorderQuantity: integer


Pomotion
handle inquiry
ProductItem
PromoOffering
InquireOnItemWindow
accept item data
display items
AvailabilityHandler
PromoOffering
get price
AvailabilityHandler
inquireOnItem
Promotion
Product Item
get description
get quantity
InventoryItem
InventoryItem
get QOH



Please note that your assignments alone are not enough to pass your exams. You need to read all chapters, so that you would be able to answer MCQs.