INF2011S- Theory Workshop 4

Due Date: 02 September 2021, 23:55PM

Objective: Revision on Theory Lesson 1.5b (Report Design)

Use the revision notes from Theory Lessons on Vula to prepare for this tutorial. This will be a team exercise, so you only need to submit one solution. You are welcome to work synchronously (via WhatsApp/MS Teams) or asynchronously via email. Do not copy or share your answer with other teams. Zero will be awarded if work is deemed as plagiarised. You are welcome to use any modelling tool of your choice. For online tool, we recommend Lucidchart (https://www.lucidchart.com/pages/). You can also try www.draw.io/. If you wish to install software on your own or Lab PC, check what is available on the ICTS website.

For this exercise, use a tool to generate your report diagram (no more hand-drawings). Save your solution file as "Workshop_4_GroupNo.pdf". Submit your workshop solution via Vula assignments as a pdf document under the Theory Workshop 4 by 02 September at 23H55PM. **_This will be a team effort once again, therefore, you only need to submit one solution per team._** Please complete the following mark rubric at the top of your document:

INF2011S Theory Workshop 4 Due Date: 02 September 2021, 23:55PM	
Group Number	
Student 1 (Name, Student Number)	
Student 2 (Name, Student Number)	
Student 3 (Name, Student Number)	
Student 4 (Name, Student Number)	
Tutor	
Mark	/50

Poppel Case Study

Poppel is a manufacturer and importer of confectionary and soft drinks based in the Western Cape. The organisation has been growing rapidly over the last 3 years with the introduction of branded products for the large retail chains. Two major additions in the last three years have driven significant growth. Please review the full case study in order to answer the following questions.

Background for this Theory Workshop

Previously we created a detailed class diagram for the "Create a customer order via the marketing clerk" use case (included at the end in Appendix 2). In this workshop we will focus on a report design for this use-case. We will use the entity relationship model in Appendix 1 for Poppel as well as the guidelines given to you in the lectures to eliminate these outstanding products from stock during the month of January. The report should show the products in ascending order of sales volume.

Question 1 – Listing of a possible reports for Poppel **(20)**

List/Name and describe using the attached template, one possible report which could be generated from this use-case. You should also use the Poppel Case description to obtain information about the various stakeholders and their needs. Also use your slides or the internet to obtain ideas on the different types of reports that are typically generated for businesses.

This report should provide relevant and meaningful information to particular stakeholders at Poppel. The information described in the report should enable them to make business decisions (e.g. business executives) or execute their daily tasks (e.g. warehouse agents). Remember that this report should explicitly provide business value.

Please use the following template to elaborate on your answer.

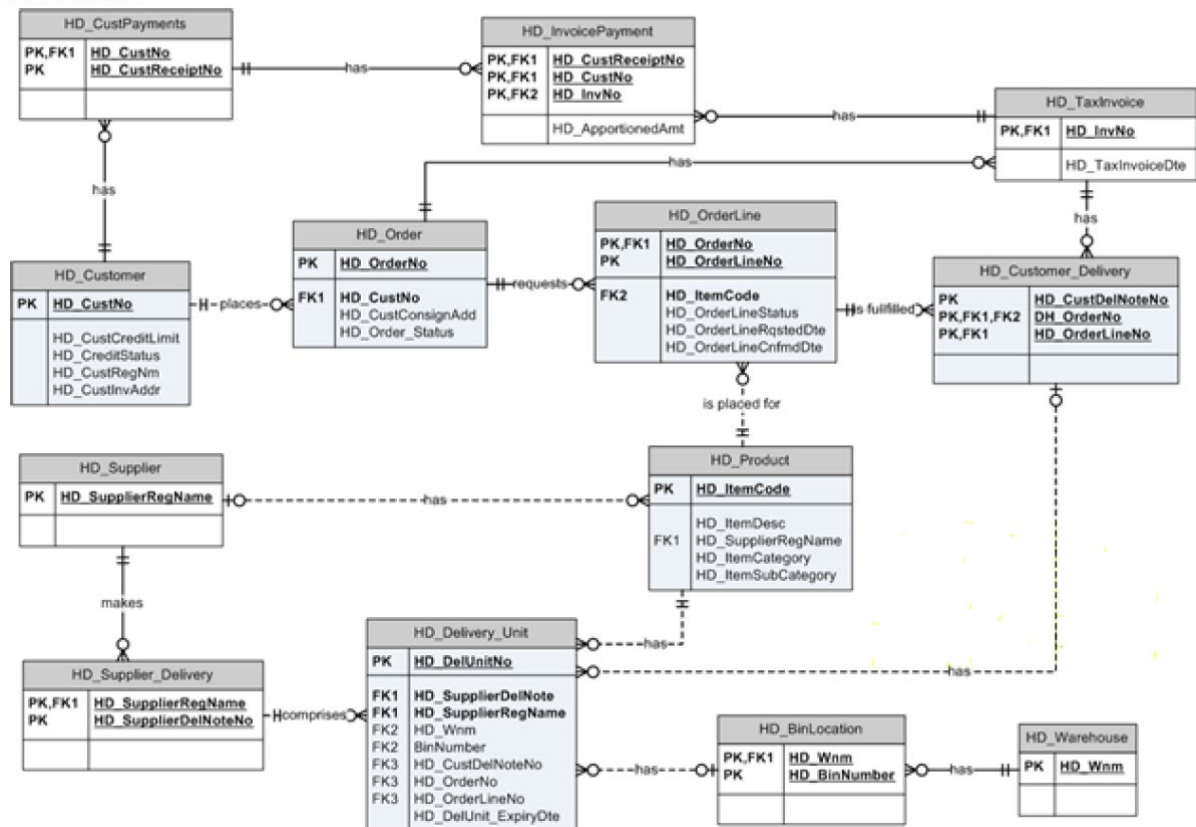| Report type & ID	
Report Objectives	
Audience	
Layout	
Report Content	
Selection	
Sequence	
Grouping / Summarisation	
Media to be used	
Frequency, Timing, Delivery	
Distribution	
Privacy, Security, & Integrity Constraints	

Question 2 – Report Layout **(30)**

Design the layout of your report after having completed the report design template. You are welcome to use MS Word or MS Excel for your answer (no hand drawings).

Use the field names from the Poppel data model (in Appendix 1) to specify in the report. Your report (layout) should present this information in an intuitive and user-friendly manner. In particular, the report must clearly display the relevant information as identified in Question 1.

Memo Guideline for students:

When designing the actual report design, the markers will be checking for the following:

1. Is a relevant title provided
2. Are all the required fields mentioned in the brief displayed
3. Is the information displayed in a user-friendly and relevant way? (regrouped by region)
4. Is the sales volume (amount sold and amount left in stock displayed – or they could show a ratio)
5. Is the date on which the report is generated displayed
6. Is the date (for the data) displayed (e.g. December 2014)
7. Is the graph clear and conveys the right info?

Basically, put yourself in the shoes of a marketing clerk and think if the report would enable you to make business decisions.

APPENDIX 1

Appendix 2: Create a Customer Order via the Marketing Clerk

Below is an example of the typical course of events from the "Create a Customer Order via the Marketing Clerk" use case for your information.

Typical Course of Events	
Actor Action	**System Response**
1. Customer submits a completed order form	
2. Marketing Clerk enters the customer number into the system	3. System checks the customer's details and current credit status 4. If Credit Status is OK the system prompts Marketing Clerk to capture order items.
5. Marketing Clerk captures an item and quantity in the system	6. If this is the first item requested, the system creates an order 7. System obtains the price and description of the item and checks the availability of stock 8. System checks the product entitlement to ensure customer is entitled to order the product. 9. System adds the line item to the order
10. If there are more items, return to step 4	
11. Marketing Clerk confirms order	12. System updates reserved stock balances, updates order status to 'On Hold', confirms credit status is OK and updates order status to "Order Confirmed"
Alternate Course of Events	
13. Customer has not purchased from Poppel before.	14. Marketing Clerk requests customer details and forwards to new accounts
15. Customer credit limit has problems.	16. Clarify details with customer.