



HIGHER EDUCATION PROGRAMMES

Academic Year 2023:	July - December
Formative Assessment 3:	Computer Literacy AI (HCLT108-1)
NQF Level, Credit:	5, 10
Weighting:	25%
Assessment Type:	Practical Assignment
Educator:	I. Musakwa
Examiner:	I. Musakwa
Due Date	6 November 2023
Total	50 Marks

Instructions:

1. This paper consists of two (2) compulsory questions.
2. The assessment covers Unit 9 – Unit 13 of the Study Guide.
3. Upload the Microsoft Access database in a zipped file and A pdf with answers to Question 2.
4. These two files are to be uploaded **separately**.

Question 1

(15 Marks)

As part of your course, as an intern, you join a startup company specialising in male clothing. You realise they are still using a manual system in record keeping. The system is inefficient, causing many problems as some sales are not recorded. One of the challenges the company staff faces is manually reconciling daily sales. You volunteer to develop a computerised system that records each sale and customer details to help minimise these setbacks.

You have identified several entities from your research on the operations of such a system. Amongst these, you probably have:

- Customer table
- Order table
- Product table

Create a database in MS Access for the sales management system and upload a copy of the database on ColCampus.

Note: Ensure all the tables, field names, relationships, and data types are correctly used and indicated in the database. Use grader discretion on attributes and created tables.

Rubric:

Question	Criteria	Requirements
1	<i>The student created appropriate database tables with proper columns and at least six attributes in each table. Provide at least ten customers to the database.</i>	<i>Max 16 marks</i>
	<i>The correct naming convention is used, and consistency is followed.</i>	<i>Max 4 marks</i>
	Total	20 marks

Question 2

[30 marks]

Provide a pdf document with the following:

- 2.1 List all the tables and columns in your database, and describe the functions of each table and column. (9 marks)
- 2.2 Create relationships between the tables in MS Access and produce a screenshot of the relationship diagram. (4 marks)
- 2.3 Query the total number of customers in the store's database, with lastName in descending order, and add a screenshot of the result (3 marks)
- 2.4 Query and display all the products in the store in descending order of product name and provide a screenshot. (4 marks)
- 2.5 Add a new customer to the database, and provide a screenshot of the added record. (4 marks)

Customer details:

Customer name : Roly Tshimakalo

Gender: Male

Address: 22 Actra Road, Rosebank, Durban

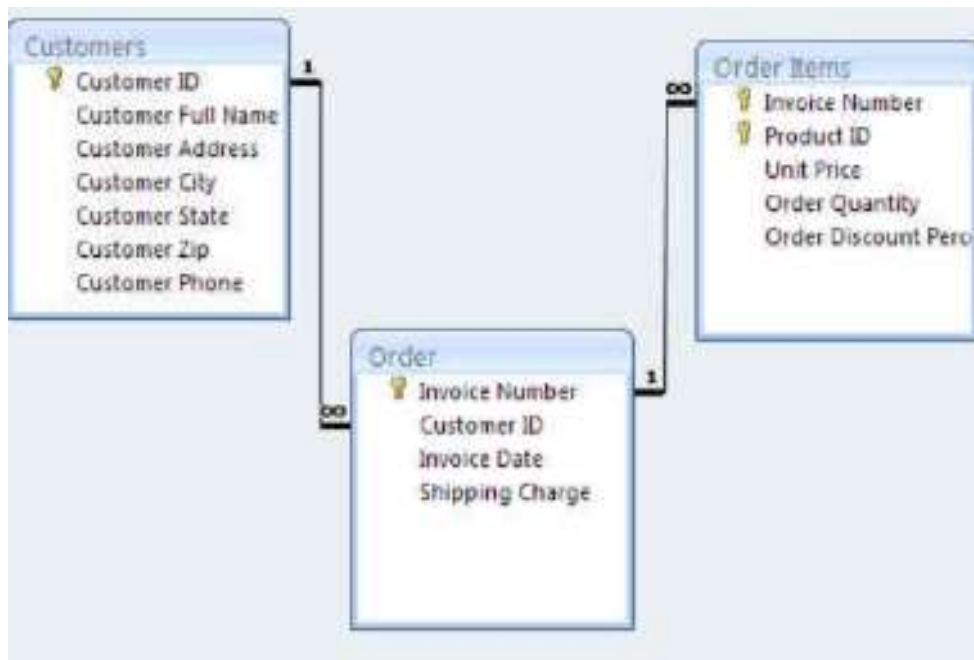
Postal code: 7203

Contact: 084 234 0113

Email address: timtshabalala@gmail.com

2.6 Identify the relationships in the tables below.

(6 marks)



The below only applies to students enrolled in the Bachelor of Accounting program.

Aligns to SAICA competencies:

W3	Data Analytics
d)	Interpret the results to solve a defined business or audit problem and suggest further steps to be taken.
f)	<p>Data inspection:</p> <ul style="list-style-type: none"> (i) Describe the elements of a specific business process by documenting the workflow (ii) Define the problem to be solved and determine clear measurement priorities (iii) Identify data sources appropriate to solving the defined problem (iv) Evaluate the input controls responsible for ensuring that the data captured and used is valid, accurate, and complete (v) Explain the nature, distribution, and limitations of the identified data and the population to be tested.
i)	<p>Data modelling</p> <ul style="list-style-type: none"> (i) Examine the key fields using descriptive statistics to determine their characteristics and statistical parameters (ii) Evaluate the quality of data to determine how well it supports business analysis and decision-making (iii) Choose appropriate analytical methods and identify alternative approaches, taking the data characteristics and the specific analytical task into account (iv) Apply designated quantitative techniques (e.g., statistics, time series analysis, optimisation, simulations) in modelling for analysis and prediction (v) Identify relationships between data in different forms and different data sets, and build relationship models between data sets to achieve a business or audit objective
W7	User Competencies
b)	Use presentation software in an accounting/ business context
d)	Use accounting software to create and view financial transactions.