City & Guilds Level 3 Database Software (7574-319)

ITQ

Assignment guide for Candidates

Assignment C

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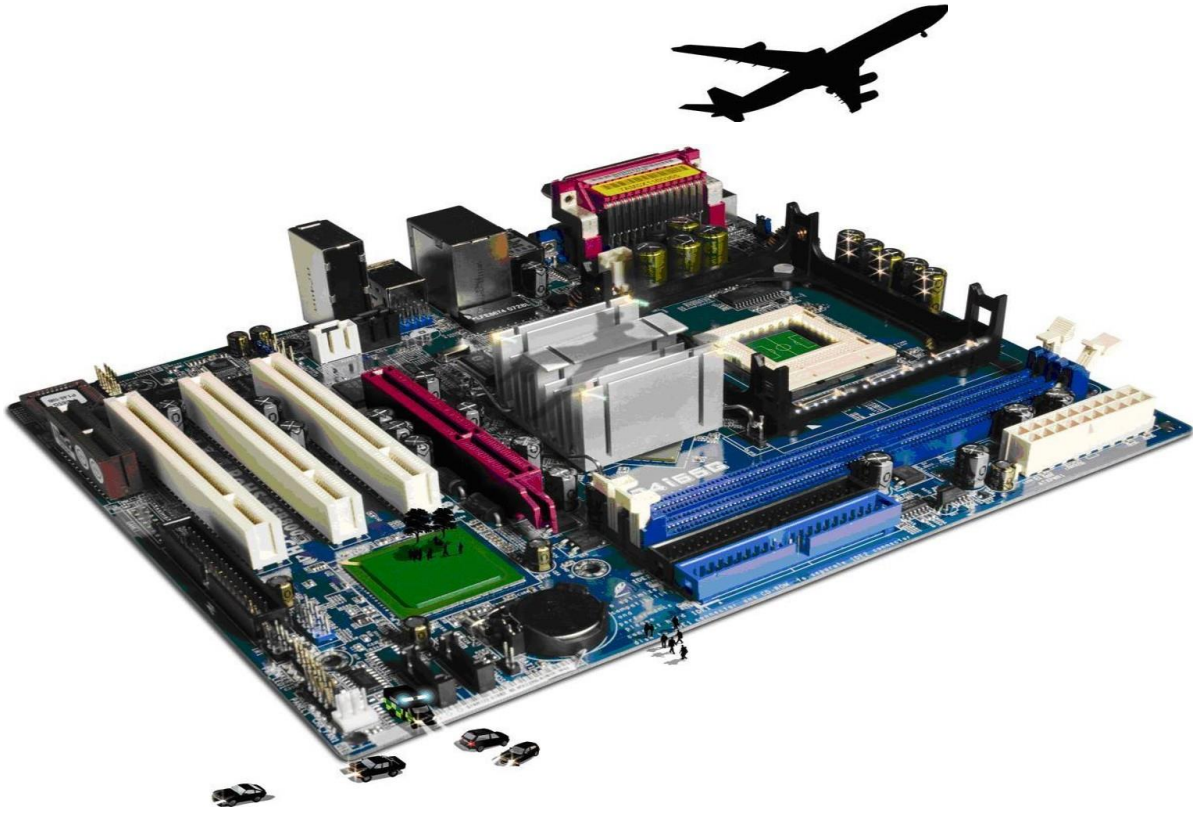

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Level 3 Database software (7574-319) Assignment C

Introduction – Information for Candidates

About this document

This assignment comprises all of the assessment for Level 3 Database software (7574-319).

Health and safety

You are responsible for maintaining the safety of others as well as your own. You are asked to work safely at all times.

You will **not** be allowed to continue with an assignment if you compromise any of the Health and Safety requirements.

Time allowance

The recommended time allowance for this assignment is **two and a half hours**.

Level 3 Database Software (7574-319)
Candidate instructions

Time allowance: two and a half hours

The assignment:

This assignment is made up of **three** tasks

- Task A – Create the database
- Task B – Create data input forms
- Task C – Create a report

Scenario

You work as a consultant for an accountancy firm. You are helping one of your clients migrate to digital accounting databases.

During initial discussions with your client, you find that they have the following types of investments, spread across four banking institutions:

- Securities holding
- Fixed deposits
- Investment bonds

The conventions followed by your firm are:

1. All the tables use auto generated index's (Each index is identified by 'id').
2. Fields which are constituted of two or more words are merged into one using CamelCase
(e.g. Saving Account is SavingsAccount)
3. Foreign keys id to be substituted with Review (e.g. Bankid is BankReview)

Read all of the instructions carefully and complete the tasks in the order given.

Task A – Create the database

1 Use any database system you're familiar with and create a database called ITDB1.

2 Create the following tables. (Use appropriate field lengths).

Institutions

Column	Type
InstId	Auto Generated index
Inst	Text

InvestmentTypes

Column	Type
TypeId	Auto Generated index
InvestTypeRefID	Number
Type	Text

Investments

Column	Type
InvestmentId	Auto Generated index
InstID	Number
InvestmentRefID	Number
InvestmentName	Text
MasterID	Number
InvestmentSum	Currency (Use local currency)

Masters

Column	Type
MasterId	Auto Generated index
Names	Text

3. Create relationships between the tables, using referential integrity as required. Changing field names for foreign keys as required to meet the organisation's naming conventions.

Task B – Create data input forms

1 Create forms for the following tables:

- Institutions
- Investment types
- Masters.

2 Populate the given data into the following tables using respective forms:

Institutions	
InstID	**Inst**
Auto Generated index	KPLorgan
Auto Generated index	JONF
Auto Generated index	WT Finance
Auto Generated index	Sekkiure Finance

Masters	
Auto Generated index	Mark Gished
Auto Generated index	Jason John

InvestmentTypes		
Auto Generated index	512	Goodies
Auto Generated index	123	Bonds
Auto Generated index	345	Stocks

3 Create a form for the **Investments table**.

4 Make **TypeReview** and **MasterReview** as data lookup fields.

5 Enter the following data using Investments form:

InvestmentId	InstReview	TypeReview	InvestmentName	MasterReview	InvestmentSum
1	1	512	Goodies	1	22421
2	2	123	Bonds	2	2344441
3	3	345	Stocks	2	23321
4	4	345	Stocks	1	2541
5	1	512	Goodies	2	20119
6	2	123	Bonds	1	17781

Note: The numbers shown above are the automatically generated index from the database.

Task C – Create a report

1 Create a report on table Investments that lists all information grouped by **TypeReview**. Save the report as Investments by Type

2 Create a query that displays the following information where **InvestmentSum** is more than 23,000: **InvestmentID**, **InvestmentName**, Type & **InvestSum**.

Save the query as **Investment_Sum**.

3 A requirement to add an additional investment type has arisen. Modify the existing structure and add an investment type called Securities. Consider the **InvestTypeRefID** to be 657 and the Type to be Text.

Add an additional row of data using the Investments form.

InvestmentId	InstReview	InvestmentRefId	InvestmentName	MasterCode	InvestmentSum
7	3	657	Securities	1	65798

4 Using the **Answers 319 X** document, give **three** examples of data integrity.

5 Using the **Answers 319 X** document, list **two** features of using reports in a database.

6 Using the **Answers 319 X** document, list **three** advantages of relational database over spreadsheets.

When you have finished working:

Sign each document above your name and label all removable storage media with your name.
Hand all paperwork and removable storage media to your assessor.

If the assignment is taken over more than one period, all paperwork and removable media must be returned to the test supervisor at the end of each sitting.

End of assignment

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