

Access to H.E. National Programme Unit



Unit Title:	Database Principles and Design		
Graded Unit Code:	GA33COM04	Ungraded Unit Code:	UA33COM04
Pathway(s):	Computing Hospitality, Leisure and Tourism		
Module(s):	Computing		
Level:	3	Credit Value:	3
Valid from:	1 st August 2014	Valid to:	31 st July 2024

The following QAA grade descriptors must be applied if you are delivering the graded version of this unit:

1	Understanding of the subject
2	Application of knowledge
3	Application of skill
7	Quality

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
1. Understand the concepts and features of a relational database	1.1 Compare the organisation of data in a 'flat file' database and a relational database
	1.2 Explain relational database concepts, including entity, attribute, table, record, relationship and referential integrity
	1.3 Define the term 'primary key' and explain the advantage of using key fields in relational databases
2 Understand the need for planning in the design of a relational database from a specification	2.1 Analyse a given system to identify entities and attributes and to explain relationships (one-to-one, one-to-many, many to many)

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LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
	2.2 Produce an Entity Relationship Diagram and Data Dictionary
	2.3 Explain the term 'normalisation' and normalise a data model
	2.4 Plan the forms, queries and reports that will be used to input and output data from a relational database
3 Produce and test a working database	3.1 Create a relational database with at least five tables, using appropriate field names, data types, keys and relationships
	3.2 Design forms to facilitate data input
	3.3 Set up queries to retrieve required data and create reports based on these queries
	3.4 Select appropriate data to test the functionality of a database and produce an evaluation