

Unit 7: Databases – Design and use

Student Name:

Teacher:

Date:

Assessment Objective	Pass	Merit	Distinction
AO1 <i>Design a relational database to meet the needs of an organisation</i>	Candidates will produce a basic design for a relational database in line with identified user requirements. The design will include basic details of: table structures, primary keys, field names, field types, field lengths, relationships and at least one form template. Not all choices will be appropriate.	Candidates will produce a design for a relational database in line with identified user requirements. The design will include details of: table structures, primary keys, field names, field types, field lengths, combo boxes and validation rules, relationships and forms for each table. Most choices will be appropriate.	Candidates will produce detailed designs for a relational database in line with identified user requirements. The design will include comprehensive details of: table structures, primary keys, field names, field types, field lengths, combo boxes, validation rules and at least one input mask, relationships and custom forms for each table. All choices will be appropriate.
AO1 NOTES	AO1: P M D		
AO2 <i>Construct the database according to the design</i>	Candidates will construct a functional relational database with a minimum of 20 records in each table. A form will be used to enter data in one table. The database will mostly reflect the design work undertaken.	Candidates will construct a functional relational database with a minimum of 20 records in each table. Forms will be used to enter appropriate data in each table. The database will reflect the design work undertaken.	Candidates will construct a functional relational database with a minimum of 20 records in each table. Custom forms will be used to enter appropriate data in each table. The database will match exactly the design work undertaken.
AO2 NOTES	AO2: P M D		
AO3 <i>Interrogate the database</i>	Candidates will sort one table, carry out one query using simple criteria and one query using multiple criteria on linked tables. Purpose of queries will be described. Some queries produced may not be appropriate.	Candidates will perform a sort on one table, a sort on more than one field, carry out one query using multiple criteria and one query using complex criteria on linked tables. Range of queries used will be explained. The queries produced will all be appropriate.	Candidates will perform a sort on one table, a sort on more than one field, carry out one query using multiple criteria and two queries using complex criteria on linked tables. Range of queries used will be fully justified. All queries produced will be appropriate.
AO3 NOTES	AO3: P M D		

Student Name:**Teacher:****Date:**

Assessment Objective	Pass	Merit	Distinction
AO4 <i>Create reports</i>	Candidates will produce a report for each sort and query, using a range of standard templates.	Candidates will produce an appropriate report for each sort and query, using at least one custom report.	Candidates will produce an appropriate report for each sort and query, using a range of different custom reports.
AO4 NOTES	AO4: P M D		
AO5 <i>Create a user interface</i>	Candidates will implement a limited user interface, giving access to some of the main areas of the database.	Candidates will implement a clearly structured user interface, giving access to the main areas of the database.	Candidates will implement a fully customised and easy-to-use user interface, giving access to the main areas of the database.
AO5 NOTES	AO5: P M D		
AO6 <i>Test the database</i>	Candidates will provide evidence of some testing. Candidates will make improvements to the functionality of their database if issues are identified through the tests they have carried out.	Candidates will provide evidence of testing most of the main areas of the database. Candidates will make improvements to the functionality of their database if issues are identified through the tests they have carried out.	Candidates will provide evidence of testing all the main areas of the database. Candidates will make improvements to the functionality of their database if issues are identified through the tests they have carried out.
AO6 NOTES	AO6: P M D		

Overall grade awarded for this unit: **PASS** **MERIT** **DISTINCTION** (Circle ONE grade) **Signature:** _____