Grading

Assessment Objective	Pass	Merit	Distinction
AO1 Design a relational database to meet the needs of an organisation	Candidates produce a design for a working relational database. The design includes purpose, audience, at least three tables showing the entities and attributes and an ERD diagram. The entities and attributes **may not** be correct. The database design may be normalised to 3rd normal form. There will be **some** attempt to define the data validation required.	Candidates produce a design for a working relational database. The design includes purpose, audience, at least three tables showing the entities and attributes, ERD diagram, user interface and forms. The entities and attributes are **appropriate**. The database design is normalised to 3rd normal form. **Most** of the data validation required has been defined.	Candidates produce a design for a working relational database. The design includes purpose, audience, at least three tables showing the entities and attributes, ERD diagram, user interface, forms and reports. The entities and attributes are **all** correct. The designs for reports are for reports both printed and on screen. The database design is correctly normalised to 3rd normal form. **All** of the data validation required has been defined.
AO2 Produce the database according to the design	Candidates produce a relational database that allows a user to add, delete, and edit records using forms. Primary key and foreign keys are defined and tables are linked. Data validation and customised error messages may have been set up. There are at least four data types used and at least 60 records have been entered in the database. The database will be **mostly** similar to design.	Candidates produce a working relational database that allows a user to add, delete, and edit records using forms. Primary key and foreign keys are defined, tables are linked, and data validation and customised error messages have been set up. There are at least four data types used and at least 60 records have been entered in the database. The database will be **similar** to the design.	Candidates produce a working relational database that allows a user to add, delete, and edit records using forms. Primary key and foreign keys are defined, tables are linked, and data validation and customised error messages have been set up. There are at least four data types used and at least 60 records have been entered in the database. The database will **exactly** match the design.
AO3 Interrogate the database	Candidates create queries that include: at least three different logical operators, at least three different range operators and calculated fields using multiple criteria on linked tables. **Some** queries produced may not give the correct results.	Candidates create queries that include: at least three different logical operators, at least three different range operators, calculated fields, parameter queries and crosstab queries, using multiple criteria on linked tables. **Most** queries produced give the correct results.	Candidates create queries that include: at least three different logical operators, at least three different range operators, calculated fields, parameter queries and crosstab queries, using multiple criteria on linked tables. **All** the queries give the correct results and are efficient.

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AO4 Create a user interface	Candidates produce a user interface that gives access to the main parts of the database. The interface **may** lack structure. They create at least one form for each table.	Candidates produce a user interface that gives access to the main parts of the database. The interface **mostly** matches the design. They create at least one form for each table and a customised form.	Candidates produce a user interface that accesses all parts of the database. The interface **matches** the design. They create at least one form for each table, and a customised form and at least one sub form.
AO5 Produce reports	Candidates produce reports to include at least one customised report and at least one report that is sorted on more than one field. The reports **may** not match the designs.	Candidates produce reports to include at least one customised report, at least one report that is sorted on more than one field and at least one report that is grouped on one or more fields. The reports **mostly** match the designs.	Candidates produce reports to include at least one customised report, at least one report that is sorted on more than one field, at least one report that is grouped on one or more fields and at least one report that shows grouped and overall summaries. The reports **match** the designs.
AO6 Produce user documentation and technical information.	Candidates produce a user guide that covers **some** of the processes that allow a user to make effective use of the database. They define the database structure, data relationships and a data dictionary in the technical documentation.	Candidates produce a user guide, using graphics and screenshots, that covers **some** of the processes that allow a user to make effective use of the database. They **clearly** define the database structure, data relationships and a data dictionary in the technical documentation.	Candidates produce a user guide, using graphics and screenshots that covers **most** of the processes that allow a user to make effective use of the database. They **clearly** and **accurately** define the database structure, data relationships and a data dictionary in the technical documentation.
AO7 Test the database	Candidates provide a **basic** test plan that covers some of the checks as outlined in the Knowledge, Understanding and Skills .	Candidates provide a test plan that covers **most** of the checks as outlined in the Knowledge, Understanding and Skills.	Candidates provide a test plan that covers most of the checks as outlined in the Knowledge, Understanding and Skills. Changes are made as appropriate to the database.
AO8 Database evaluation	Candidates provide a **brief** and not always accurate evaluation of the effectiveness of the database in relation to user needs.	Candidates provide a **detailed** and **accurate** evaluation of the operation of the database and how well it meets user needs. Candidates will **provide** a detailed description of improvements for the user.	Candidates provide a **comprehensive** evaluation of how well the database meets the specification. Candidates will **suggest** detailed improvements and recommendations to refine the solution.