

Unit 2: Creating Systems to Manage Information – Marking grid

General Marking Guidance

All learners must receive the same treatment. Examiners must mark the first learner in exactly the same way as they mark the last.

Marking grids should be applied positively. Learners must be rewarded for what they have shown they can do rather than penalised for omissions.

Examiners should mark according to the marking grid not according to their perception of where the grade boundaries may lie.

All marks on the marking grid should be used appropriately.

All the marks on the marking grid are designed to be awarded. Examiners should always award full marks if deserved. Examiners should also be prepared to award zero marks if the learner's response is not rewardable according to the marking grid.

Where judgment is required, a marking grid will provide the principles by which marks will be awarded.

When examiners are in doubt regarding the application of the marking grid to a learner's response, a senior examiner should be consulted.

Specific Marking guidance

The marking grids have been designed to assess learner work holistically.

Rows within the grids identify the assessment focus/outcome being targeted. When using a marking grid, the 'best fit' approach should be used.

Examiners should first make a holistic judgement on which band most closely matches the learner response and place it within that band. Learners will be placed in the band that best describes their answer.

The mark awarded within the band will be decided based on the quality of the answer in response to the assessment focus/outcome and will be modified according to how securely all bullet points are displayed at that band.

Marks will be awarded towards the top or bottom of that band depending on how they have evidenced each of the descriptor bullet points.

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4	Max. mark
Activity 1: ERD	0	1-2	3-4	5-6	7-8	8
	No rewardable material	ERD shows an attempt at normalisation with significant data redundancy. ERD is partially complete with some correct relationships shown.	ERD shows that most data is correctly normalised with minimal data redundancy. ERD is partially complete with correct relationships but the relationship types are not clear.	ERD shows that most data is correctly normalised with minimal data redundancy. ERD is largely complete with mostly correct relationships and relationship types shown.	The ERD shows that the data is correctly normalised with no data redundancy. ERD is fully drawn with correct relationships and relationship types shown throughout.	
Activity 2: Data dictionary	0	1-2	3-4	5-6	7-8	8
	No rewardable material	Uses some meaningful field and table names with some inconsistencies. The data dictionary has limited use of correct data types. The data dictionary shows limited use of validation which may be inaccurate. The data dictionary identifies some primary and foreign key fields.	Uses meaningful field and table names with minor inconsistencies. The data dictionary has correct data types for most fields. The data dictionary has accurate validation rules for some of the fields that require validation. The data dictionary identifies most primary and foreign key fields.	Uses a recognised naming convention with minor inconsistencies for fields and tables. The data dictionary has correct data types for most fields. The data dictionary has accurate validation rules for most of the fields that require validation. The data dictionary identifies all primary and most foreign key fields.	Uses a recognised naming convention consistently for fields and tables. The data dictionary has correct data types for all fields. The data dictionary has accurate validation rules for all fields that require validation. The data dictionary identifies all primary and foreign key fields.	

Assessment focus	Band 0	Band 1	Band 2	Band 3	Max. mark
Activity 3: Design specification	0	1-2	3-4	5-6	6
	No rewardable material	Design is limited, including some forms, queries and reports required with some of the relevant fields Design has details of some criteria and calculations required, which may include inaccuracies. Design is vague, making implementation of the interface by a third party difficult.	Design is adequate, including most forms, queries and reports required with most of the relevant fields. Design includes accurate details of some criteria and calculations required. Design is informative but not always clear, allowing the interface to be implemented by a third party with minor difficulties.	Design is thorough, including the full range of forms, queries and reports required with relevant fields. Design includes accurate details of criteria and calculations required. Design is clear and informative, allowing for the interface to be easily implemented by a third party.	

Assessment focus		Band 0	Band 1	Band 2	Band 3	Max Marks
		0	1-2	3-4	5-6	6
Testing	Activity 4: Test plan	No rewardable material	<p>Test plan is too narrow to confirm a working solution, including limited normal, erroneous and/or extreme data.</p> <p>Expected results are generic or mostly inaccurate based on identified test data.</p>	<p>Test plan is adequate to confirm a working solution, including some normal, erroneous and extreme data.</p> <p>Expected results are and accurate based on identified test data, but may lack detail.</p>	<p>Test plan is thorough, including a range of normal, erroneous and extreme data.</p> <p>Expected results are specific and accurate based on identified test data.</p>	6
	Activity 5: Testing	No rewardable material	<p>Testing shows evidence of a limited or linear development process, with minimal identification and resolution of errors.</p> <p>Comments show a limited understanding of errors that were found, and how they were fixed.</p>	<p>Testing shows evidence of an iterative development process that identifies and resolves some errors, but problems may persist.</p> <p>Comments show partial understanding of errors that were found, and how they were fixed.</p>	<p>Testing shows evidence of an iterative development process that identifies and resolves errors and improves efficiency.</p> <p>Comments show a clear and detailed understanding of errors that were found, and how they were fixed.</p>	

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4	Max. mark
Activity 5: Database	0	1-5	6 - 10	11-15	16 -20	20
	No rewardable material	<p>Database structure is logical only in parts with limited data integrity.</p> <p>Object names are unclear making maintenance of the database by a third party difficult.</p> <p>Database user interface is unclear or provides limited information and there are inconsistencies and inaccuracies in formatting, so a user would experience difficulty in using the database.</p> <p>The database uses minimal validation and checking procedures resulting in a system with limited capacity to reduce errors or handle unexpected events.</p> <p>The database may not be fully functional and/or may have major errors that prevent the database from meeting the given criteria.</p>	<p>Database has structure that is mostly logical and enforces data integrity for some relationships.</p> <p>Some object names are clear allowing it to be maintained by a third party with minor difficulties.</p> <p>Database user interface is clear but there are some inconsistencies and inaccuracies in formatting allowing a user to use the database with minor difficulties.</p> <p>The database uses some accurate validation and checking procedures, resulting in a system that minimises the most common errors and handles some unexpected events.</p> <p>The database is functional and meets most of the given criteria with minimal errors.</p>	<p>Database has a logical structure that enforces data integrity for most relationships.</p> <p>Appropriate and clear object names are mostly used allowing it to be maintained by a third party.</p> <p>Database user interface is clear but there are some inconsistencies and inaccuracies in formatting allowing a user to use the database with minor difficulties.</p> <p>The database uses accurate validation and checking procedures, resulting in a system that minimises the majority of errors and handles most unexpected events.</p> <p>The database is functional with minimal errors and meets the given criteria.</p>	<p>Database has a logical structure that fully enforces data integrity for relationships throughout.</p> <p>Appropriate and clear object names are used throughout allowing it to be easily maintained by a third party.</p> <p>Database user interface is clear and intuitive, consistently and accurately formatted allowing a user to easily use the database.</p> <p>Database uses accurate validation and checking procedures throughout, resulting in a robust system that minimises errors and handles unexpected events.</p> <p>The database is fully functional and fully meets the given criteria.</p>	

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4	Max. mark
Activity 6: Evaluation	0	1-3	4-6	7-9	10- 12	12
	No rewardable material	<p>Superficial understanding of relevant technical concepts shown with some inaccuracies.</p> <p>Limited or unsupported justification of:</p> <ul style="list-style-type: none"> changes made during the development and testing process the relational database structure selected about the quality, performance and usability of the database. <p>Limited links between aspects of the solution and the requirements of the scenario.</p> <p>Technical vocabulary is used but it is not used appropriately to support arguments.</p>	<p>Some accurate and relevant understanding of technical concepts shown.</p> <p>Some valid justification, which may lack support, of:</p> <ul style="list-style-type: none"> changes made during the development and testing process the relational database structure selected the quality, performance and usability of the database. <p>Some logical links between aspects of the solution and the requirements of the scenario but may lack clarity.</p> <p>Mostly accurate technical vocabulary is used to support arguments.</p>	<p>Mostly accurate and detailed understanding of relevant technical concepts shown.</p> <p>A valid and mostly supported justification of:</p> <ul style="list-style-type: none"> changes made during the development and testing process the relational database structure selected. quality, performance and usability of the database. <p>Makes some logical coherent links between aspects of the solution and the requirements of the scenario.</p> <p>Accurate technical vocabulary is used to support arguments.</p>	<p>Accurate and detailed understanding of relevant technical concepts shown throughout.</p> <p>A valid and fully supported justification of:</p> <ul style="list-style-type: none"> changes made during the development and testing process: the relational database structure selected quality, performance and usability of the database. <p>Makes logical coherent links between aspects of the solution and the requirements of the scenario throughout.</p> <p>Fluent and accurate technical vocabulary is used to support arguments.</p>	