

# **Unit 2: Creating Systems to Manage Information - Sample marking grid**

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## **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**

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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
<b>Activity 1: ERD - screenprint</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5-6</b>	<b>7-8</b>	<b>8</b>
	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 has correct relationships and relationship types shown throughout.	
<b>Activity 2: Table structure and Validation</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5-6</b>	<b>7-8</b>	<b>8</b>
	No rewardable material	Uses some meaningful field and table names with some inconsistencies.  The table structure identifies some primary and foreign key fields.  The table structure has limited use of correct data types.  Limited use of validation which may be inaccurate.	Uses meaningful field and table names with minor inconsistencies.  The table structure identifies most primary and foreign key fields.  The table structure has correct data types for most fields.  Accurate validation rules for some of the fields that require validation.	Uses a recognised naming convention with minor inconsistencies for fields and tables.  The table structure identifies all primary and most foreign key fields.  The table structure has correct data types for most fields.  Accurate validation rules for most of the fields that require validation.	Uses a recognised naming convention consistently for fields and tables.  The table structure identifies all primary and foreign key fields.  The table structure has correct data types for all fields.  Accurate validation rules for all fields that require validation.	

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4	Max. mark
<b>Activity 3: Interface and Functionality</b>	<b>0</b>	<b>1-7</b>	<b>8-13</b>	<b>14-19</b>	<b>20-26</b>	<b>26</b>
	No rewardable material	<p>Interface is limited, including some forms, queries and reports required with some of the relevant fields</p> <p>Interface has details of some criteria and calculations required, which may include inaccuracies.</p> <p>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 and making maintenance by a third party difficult.</p> <p>Interface 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>Interface is adequate, including most forms, queries and reports required with most of the relevant fields.</p> <p>Interface includes accurate details of some criteria and calculations required.</p> <p>Interface is clear but there are some inconsistencies and inaccuracies in formatting allowing a user to use the database with minor difficulties and allowing maintenance by a third party with minor difficulties.</p> <p>Interface 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 some of the given criteria with minimal errors.</p>	<p>Interface is thorough, including the full range of forms, queries and reports required with most of the fields.</p> <p>Interface includes accurate details of most criteria and calculations required.</p> <p>Interface is clear but there are some inconsistencies and inaccuracies in formatting allowing a user to use the database with minor difficulties and allowing maintenance by a third party with minor difficulties.</p> <p>Interface 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>Interface is thorough, including the full range of forms, queries and reports required with all relevant fields.</p> <p>Interface includes accurate details of all criteria and calculations required.</p> <p>Interface is clear and intuitive, consistently and accurately formatted allowing a user to easily use the database and allowing it to be easily maintained by a third party.</p> <p>Interface 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	Max Marks
<b>Activity 4: Testing</b>	<b>0</b>	<b>1-4</b>	<b>5-8</b>	<b>9-12</b>	<b>12</b>
	No rewardable material	<p>Testing 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. Test data may not be present.</p> <p>Test results prove that that the database operates under some normal circumstances relevant to the scenario.</p> <p>Test result comments show a limited understanding of any errors that were found.</p>	<p>Testing is adequate to confirm a working solution, including some normal, erroneous and/or extreme data.</p> <p>Expected results are mostly accurate and based on identified test data, but may lack detail.</p> <p>Test results prove that that the database operates under some normal circumstances and that the database can cope with some erroneous and extreme data relevant to the scenario.</p> <p>Test result comments show partial understanding of any errors that were found.</p>	<p>Testing 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> <p>Test results prove that that the database operates under all circumstances relevant to the scenario.</p> <p>Test result comments show a clear understanding of any errors that were found, and how they were fixed.</p>	

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4	Max. mark
<b>Activity 5: Evaluation</b>	<b>0</b>	<b>1-3</b>	<b>4-6</b>	<b>7-9</b>	<b>10- 12</b>	<b>12</b>
	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"> <li>changes made during the development and testing process</li> <li>the relational database structure selected</li> <li>about the quality, performance and usability of the database.</li> </ul> <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"> <li>changes made during the development and testing process</li> <li>the relational database structure selected</li> <li>the quality, performance and usability of the database.</li> </ul> <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"> <li>changes made during the development and testing process</li> <li>the relational database structure selected.</li> <li>quality, performance and usability of the database.</li> </ul> <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"> <li>changes made during the development and testing process</li> <li>the relational database structure selected</li> <li>quality, performance and usability of the database.</li> </ul> <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>	