

Please read the instructions printed at the end of this form. **One** of these sheets, suitably completed, should be attached to the assessed work of **each** candidate.

Unit Title	18 Database design	Unit Code	G057	Session	Jan / June	Year	2	0	0
Centre Name						Centre Number			
Candidate Name						Candidate Number			

Evidence: You need to produce: a relational database to meet a given specification requiring at least **three** related tables supported by design and analysis notes, technical and user documentation and an evaluation of the database produced. Your evidence needs to include: **a:** [AO3] design and analysis notes including normalisation of the data model; **b:** [AO1] a user interface including data input forms and methods of obtaining output; **c:** [AO1] a working relational database; **d:** [AO2] user and technical documentation; **e:** [AO4] testing of the database produced; **f:** [AO4] evaluation of the database; **g:** [AO4] evaluation of your own performance.

Criteria			Teacher Comment	Page No.
<p>a.1: You produce design and analysis notes that present the initial data model and show its normalisation to 1st normal form, and that clearly show the entities, attributes, keys, relationships and internally-generated or processed data;</p> <p>[0 1 2 3 4]</p>	<p>a.2: you produce design and analysis notes that use technical language fluently, and which include correct ERDs, the entities, attributes, keys, relationships and internally-generated or processed data, the design of the user interface, and screen and printed reports;</p> <p>[5 6 7 8]</p>	<p>a.3: you produce design and analysis notes that use technical language fluently, and which include correct ERDs, the design of the user interface, screen and printed reports and graphic images to define the data model clearly and demonstrate that it is correctly normalised to 3rd normal form.</p> <p>[9 10 11 12]</p>	<p>Mark</p>	
<p>b.1: You produce suitable and correct data input forms and provide straightforward means of obtaining output;</p> <p>[0 1 2 3]</p>	<p>b.2: you make effective use of validation and produce user-friendly, well laid out data-input forms with title labels, field names, set widths, pull down lists and instructions, as appropriate;</p> <p>[4 5 6]</p>	<p>b.3: you produce a fully-customised user interface that hides the underlying database from the user and provide input forms that allow data entry into multiple tables.</p> <p>[7 8 9]</p>	<p>Mark</p>	
<p>c.1: You produce a working relational database that allows the user to append, delete and edit data, initiate queries and print reports;</p> <p>[0 1 2]</p>	<p>c.2: you create reports that make correct and effective use of queries, and related tables;</p> <p>[3 4]</p>	<p>c.3: you create reports that make correct and effective use of queries, grouping, arithmetic formulae and related tables.</p> <p>[5 6]</p>	<p>Mark</p>	

Criteria				Teacher Comment				Page No.
<p>d.1: You produce a user guide that enables a novice user to make effective use of the database; you define, clearly and accurately, the database structure and data relationships in the technical documentation; you include a data dictionary with the range of acceptable data; you include example output from queries and reports and outline test procedures;</p> <p style="text-align: right;">[0 1 2 3 4]</p>	<p>d.2: you make good use of graphic images and use annotated screen prints to create effective user instructions and technical documentation; you define, clearly and accurately, the database structure and data relationships in the technical documentation; you include a data dictionary including the range of acceptable data; you include example output from queries and reports and outline test procedures;</p> <p style="text-align: right;">[5 6]</p>	<p>d.3: you create high-quality technical documentation that would enable someone else to recreate or maintain the database; you define, clearly and accurately, the database structure and data relationships in the technical documentation; you include a data dictionary including the range of acceptable data; you include example output from queries and reports and outline test procedures.</p> <p style="text-align: right;">[7 8]</p>						
								Mark
<p>e.1: You carry out basic test procedures to demonstrate that the database meets the specification;</p> <p style="text-align: right;">[0 1]</p>	<p>e.1: you design and implement test procedures to check reliable operation;</p> <p style="text-align: right;">[2]</p>	<p>e.1: you thoroughly test the operation of the database, including rejection of data outside the acceptable range.</p> <p style="text-align: right;">[3]</p>						
								Mark
<p>f.1: You comment on the effectiveness of the database in relation to user needs and suggest some improvements;</p> <p style="text-align: right;">[0 1 2]</p>	<p>f.2: you comment critically on the operation of the database and how well it meets the specification;</p> <p style="text-align: right;">[3 4]</p>	<p>f.3: you provide a critical analysis of how well your database solution meets requirements, identifying strengths and weaknesses in order to refine the solution, taking account of user feedback.</p> <p style="text-align: right;">[5 6]</p>						
								Mark
<p>g.1: You comment on your actions and role in solving the problem and identify areas for improvement; your report may contain errors in spelling, punctuation and grammar;</p> <p style="text-align: right;">[0 1 2]</p>	<p>g.2: you include an analysis on your own performance by identifying strengths and weaknesses, with some suggestions for improvement to the overall process; your report contains few errors in spelling, punctuation and grammar;</p> <p style="text-align: right;">[3 4]</p>	<p>g.3: you include an analysis on your own performance by identifying strengths and weaknesses, and use this analysis to show how you will address these issues to be more effective in the future; your report is consistently well-structured and there will be few, if any errors in spelling, punctuation and grammar.</p> <p style="text-align: right;">[5 6]</p>						
								Mark
If this work is a re-sit, please tick	<input type="checkbox"/>	Session and Year of previous submission	Jan / June	2	0	0	Please tick to indicate this work has been standardised internally	<input type="checkbox"/>

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website (www.ocr.org.uk).
A completed Centre Authentication form CCS160 **must** accompany the MS1 when it is sent to the moderator.

Guidance on Completion of this Form

- 1 **One** sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and also enter the circled mark in the final column.
- 5 Add the marks for the strands together to give a total out of 50. Enter this total in the relevant box.