

4.4 Unit IT4 RELATIONAL DATABASES**Outline Scheme of Assessment**

<i>Components</i>	<i>Max Mark</i>
User requirements	12
Design	24
Implementation	25
Testing	16
User Documentation	15
Evaluation	8
Total	100

A detailed scheme of assessment is shown in Section 8.4

Detailed Scheme of Assessment

<i>Components</i>	<i>Criteria</i>	<i>Mark</i>
User Requirements		
Background	<i>Show a clear understanding of the background to the problem</i>	<i>2</i>
Expected outcomes / aims and objectives	<i>A clear statement of the aims and objectives of the system, along with the expected outcomes and house style and ethos of the organisation</i>	<i>6</i>
User Interface requirements	<i>Details of specific user interface requirements of the system</i>	<i>1</i>
Hardware	<i>Details of the minimum hardware requirements for the system to function.</i>	<i>1</i>
	<i>Entity Relationship Diagram</i>	<i>2</i>
Design		
Design of inputs	<i>Data dictionary (3 tables+data types=3 marks 1+ 1 mark for formatting detail)</i>	<i>4</i>
	<i>Normalisation (Normalised form and primary and foreign keys identified)</i>	<i>2</i>
	<i>Design of validation techniques</i>	<i>2</i>
	<i>Design of password protection technique</i>	<i>1</i>
	<i>Design of on screen data entry forms</i>	<i>3</i>
Design of user interface	<i>Design of user-friendly, menu driven, front end interface</i>	<i>1</i>
	<i>Design of queries (including purpose and structure)</i>	<i>6</i>
	<i>Single table queries x 2</i>	
	<i>Multiple table queries using relational links</i>	
	<i>Multiple table query using relational links (must have search criteria)</i>	
	<i>Parameter query</i>	
	<i>Append, delete or update query</i>	
Design of outputs	<i>Design of report</i>	<i>2</i>
	<i>Design of calculation in a report</i>	
Design of processes	<i>Automated routines using programming code</i>	<i>2</i>
	<i>Design calculation in query or form</i>	<i>1</i>

		Mark
Implementation	<i>Create tables and links</i>	4
	<i>Data validation techniques</i>	2
	<i>Calculated field</i>	1
	<i>Create forms</i>	2
	<i>Create form with subform</i>	1
	<i>Create user friendly interface</i>	1
	<i>Macros</i>	2
	<i>Single table queries</i>	2
	<i>Multiple table query using relational links</i>	1
	<i>Multiple table query using relational links and search criteria</i>	1
	<i>Parameter query</i>	1
	<i>Append, delete or update query</i>	1
	<i>Report</i>	4
	<i>Individual enhancement of solutions using the programming capabilities of the software package</i>	2

Components	Criteria	Mark
Testing to a Test Plan	<i>Test user interface and test all routes through the system</i>	1
	<i>Test with valid data and extremes of data</i>	2
	<i>Test all validation procedures with invalid data</i>	2
	<i>Test report</i>	1
	<i>Test all queries</i>	6
	<i>Test security systems</i>	1
	<i>Test all individual and automated routines</i>	2
	<i>Test all calculations are correct</i>	1
User Documentation	<i>Details of where to find the database (directories) and how to start up the database</i>	1
	<i>Details of how to enter passwords or other security procedures</i>	1
	<i>Details of how to navigate the user interface</i>	1
	<i>Details of how to add, delete, edit, print and save data in records via examples given in screenshots of data entry forms</i>	5
	<i>Examples of validation text to support validation procedures</i>	2
	<i>Instructions about using different types of queries and producing a report</i>	4
	<i>Instructions about disaster recovery techniques</i>	1
Evaluation	<i>Against user requirements</i>	4
	<i>Problems encountered and strategies used to resolve them</i>	4

Assessment Grid

	<i>Very detailed and accurate with all criteria covered</i>	<i>Detailed and accurate with most criteria covered</i>	<i>Some detail and accuracy with some criteria covered</i>	<i>Brief description, or a list with few criteria covered</i>	<i>Very few criteria attempted or completed</i>	<i>None</i>
User Requirements	12-10	9-7	6-4	3-2	1	0
Design	24-20	19-15	14-10	9-5	4-1	0
Implementation	25-21	20-15	14-10	9-5	4-1	0
Testing	16-13	12-9	8-5	4-3	2-1	0
User Documentation	15-12	11-9	8-5	4-3	2-1	0
	<i>Very detailed, critical and accurate</i>			<i>Brief description, or a list</i>		<i>None</i>
Evaluation	8-5		4-1		0	

Spelling punctuation and grammar will be assessed.