

## Assessment Marking Criteria Assignment 2 – Part 1 (40%)

Student Name/Id:				Tutor:		Group:		TOTAL: /100
Task 1	Out of	80+	70-79	60-69	50-59	40-49	30-39	0-29
ERM and Validation	30	Excellent deployment of data modelling skills, with complete and accurate coverage of advanced entity models, cardinality, optionality, relationship naming in accordance with the requirements. Full and accurate list of attributes, including identifier(s), occurrences, entity and attribute and entity definitions.	All accurate entities identified and cardinality. Assumptions are excellent. Full list of attributes, including identifier(s), occurrences, entity and attribute and entity definitions. Validation questions excellent.	Mostly accurate entities identified need to address requirements with correct cardinality. Almost a full list of attributes, including identifier(s), occurrences, entity and attribute and entity definitions. Validation questions have not much relevance to potential implementation.	Partly addressed all issues on the model, with errors in some of the following: relationships naming, relationships and cardinality. No appliance of advance entities models. Some consideration for entity attributes and keys, and/or cardinality. Only few specified, with no specific validation needs.	Requires further work to address errors in relationships naming, cardinality and incorrect appliance of notation. Assumptions made are changing the actual requirements given. No validation questions. No entity definitions.	Very little or no work done with multiple errors in relationships naming, cardinality and incorrect appliance of ERD models. Case tool not used for design. No validation questions. No entity definitions.	No work done and/or multiple errors in relationships naming, cardinality and incorrect appliance of ERD model. No attributes and/or occurrences. No validation questions. No entity definitions. Task not done.
	Mark							
Task 2		80+	70-79	60-69	50-59	40-49	30-39	0-29
Logical and Physical Design	10	Excellent decisions made as a suggestion for the design stages.	The model is ready for the implementation. Excellent logical and physical design decisions made for the composition and decomposition of tables, with good justification. Dealing with logical design rules.	The model is ready for Implementation. Decisions made for the composition and/or decomposition of tables have a good justification. Derived values considered.	The model needs changes. Very few decisions made for logical and physical design stages, not all correct. No justification.	The model needs major changes for the implementation. No discussion.	No decisions made for the logical/physical design stage such as composition of tables with no justification.	No attempt made or very minor attempts made.

Task 3		80+	70-79	60-69	50-59	40-49	30-39	0-29
<b>Tables, View and Data</b>	30	In addition to previous: Fully implemented all declarative constraints. The excellent population of the database with data to test the accuracy of SQL. View implemented and tested correctly.	In addition to previous: Additional constraints considered: unique or check. Data designed to show queries work effectively. View implemented and testing.	All tables implemented, column definitions very well planned. Some planning has gone into detail and all FKs constraints implemented correctly. View implemented based on two tables, tested.	All tables implemented, with some anomalies in column definition. Basic constraints only implemented. Implemented a view based on one table. View not tested.	Few tables implemented, with very basic data, not designed with queries in mind. Only PKs addressed, issues with FKs. Implemented a view identical to a table or view not correctly implemented.	Few tables implemented, without any data and/or constraints.  A view not implemented. Multiple errors on the FE script.  Script not running.	Not Done or a table implemented with no data population and no constraints. <i>Missing clear linkage to the case study and Apex databases.</i>
Task 4		80+	70-79	60-69	50-59	40-49	30-39	0-29
<b>Apex Reports/ SQL</b>	30	SQL Statement of an advanced level. Apex form runs faultless.	In addition to previous: Report's SQL Statement based on the combination of intermediate and advanced level.	Report's SQL statement 2-3 joins. SQL Statement of an intermediate level functionality used. Query in the Apex Report is not necessary sub-query, use of DISTINCT, ORDER BY, functions (eg. MIN, MAX, AVG, COUNT).	Apex Reports SQL statement is basic (1-2 joins and one condition in WHERE statement) and produces some inaccurate or incomplete results.	<b>The student used Query Builder to write SQL statements.</b> Basic SQL, such as SELECT * FROM table.	Multiple errors in the code.  No data retrieved.  Evidence of the tasks not clear.	<i>Missing clear linkage to the case study and Apex databases.</i>  Task not done.
Report 1		Code clear with evidence of testing.	The query is based on intermediate level using build in functions (TO_CHAR, TO_DATE), join of 2-4 table, calculation included, necessary with sub query IN/ALL/EXSIST, GROUP BY.					
Report 2								
Report 3		Business rule defined.						
Report 4								
Report 5								

## General Feedback: