ICT320 Task 2 Marking Rubric

Criteria	High Distinction (100% - 85%)	Distinction (84% - 75%)	Credit (74% - 65%)	Pass (64% - 50%)	Fail
(10%) Part A - Report - Demonstrate an understanding of client requirements	**Comprehensive and insightful** Client specifications are clearly and Comprehensively reflected in the ER diagrams and supplementary design requirements. Assumptions show a good depth of insight into the sometimes-unclear case study business rules.	**Thorough** Client specifications are comprehensively reflected in the ER diagrams and supplementary design requirements. Assumptions show a sound depth of insight into the sometimes-unclear case study business rules.	**Effective** Client specifications are clearly reflected in the ER diagrams and supplementary design requirements. Assumptions show some insight into the sometimes unclear case study business rules	**Accurate** Client specifications are generally reflected in the ER diagrams, supplementary design and requirements and assumptions.	**Narrow / Shallow** Client specifications are narrowly / not reflected in the ER diagrams, supplementary design requirements and assumptions.
(20%) Part A - Report – Create relational database design and documentation	**Systematic and Skillful** Accurate, clear and skillful creation of ER diagrams. Systematic, clear and accurate supplementary design requirements and assumptions.	**Thorough and Effective** Accurate creation of ER diagrams. Thorough and effective supplementary design requirements and assumptions.	**Effective** Effective creation of ER diagrams. Sound supplementary design requirements and assumptions.	**Competent** Sound creation of ER diagrams (at least 3 tables), supplementary design requirements and assumptions.	**Basic / Simplistic** Basic / simplistic creation of ER diagrams (i.e. keeping only the 2 original tables).
(10%) Part B – SQL - Create a cohesive database design that is reflected in the prototype code	**Comprehensive** ER diagrams and supplementary design requirements (if any) are comprehensively reflected in the prototype code. Assumptions and business rules are meticulously reflected in the database constraints.	**Thorough** ER diagrams and supplementary design requirements (if any) are thoroughly reflected in the prototype code. Assumptions and business rules are well reflected in the database constraints.	**Effective** Effective ER diagrams and supplementary design requirements (if any) are soundly reflected in the prototype code. Assumptions and business rules are mostly reflected in the database constraints.	**Accurate** Accurate ER diagrams and supplementary design requirements (if any). Assumptions are generally reflected in the prototype code.	**Narrow / shallow** ER diagrams, supplementary design requirements (if any) and assumptions are narrowly / not reflected in the prototype code.
(5%) Part B – SQL - Create code to create and delete tables	**Skillful and seamless** The SQL script will be skillfully constructed and seamlessly drop and create MySQL tables along with comprehensive constraints without error.	**Proficient** The SQL script will proficiently drop and create MySQL tables along with sound constraints without error.	**Effective** The SQL script will effectively drop and create MySQL tables along with effective constraints with only minor errors.	**Competent** The basic but sound SQL script will drop and create MySQL tables along with basic constraints with only minor errors.	**Limited / Inaccurate** The SQL script has substantial errors / inadequate code when dropping and creating MySQL tables.
(5%) Part B – SQL - Create code to insert data in the tables	**Skillful and seamless** The SQL script will be skillfully constructed and seamlessly insert MySQL database data without errors.	**Proficient** The SQL script will proficiently insert MySQL database data without error.	**Effective** The SQL script will effectively insert MySQL database data with only minor errors.	**Competent** The basic but sound SQL script will insert MySQL database data with only minor errors.	**Limited / Inaccurate** Incorrect data used (zero marks). The SQL script has substantial errors / inadequate code when inserting MySQL database data.

(20%) Part B – SQL - Create SQL code to demonstrate the use and understanding of Views in Relational databases	**Skillful and seamless** The SQL script will be skillfully constructed and seamlessly demonstrate MySQL appropriate and correct views without error.	**Proficient** The SQL script will proficiently demonstrate MySQL appropriate and correct views without error.	**Effective** The SQL script will effectively demonstrate MySQL appropriate and correct views with only minor errors. (example: some fields missing from the views)	**Competent** The basic but sound SQL script will demonstrate MySQL appropriate views with only minor errors.	**Limited / Inaccurate** The SQL script has substantial errors / inadequate code when demonstrating MySQL appropriate views. Zero marks if no views are written. .
(20%) Part B – SQL - Create SQL code to demonstrate the use and understanding of Procedural language in Relational databases	**Skillful and seamless** The SQL script will be skillfully constructed and seamlessly demonstrate MySQL appropriate and correct procedures without error.	**Proficient** The SQL script will proficiently demonstrate MySQL appropriate and correct procedures without error.	**Effective** The SQL script will effectively demonstrate MySQL appropriate and correct procedures with only minor errors.	**Competent** The basic but sound SQL script will demonstrate MySQL appropriate procedures with only minor errors.	**Limited / Inaccurate** The SQL script has substantial errors / inadequate code when demonstrating MySQL appropriate procedures. Zero marks if no procedures are written. .
(10%) Part B – Python - Create Python code to demonstrate the use and understanding of calling MySQL stored procedures from another programming language	**Skillful and seamless** The Python script will be skillfully constructed and seamlessly demonstrate appropriate calling of the MySQL stored procedures without error. The Python script will output the views contents and the result of the procedures in HTML as requested.	**Proficient** The Python script will proficiently demonstrate appropriate calling of the MySQL stored procedures without error. The Python script will output the views contents and the result of the procedures in HTML as requested.	**Effective** The Python script will effectively demonstrate appropriate calling of the MySQL stored procedures with only minor errors. The Python script will output the views contents and the result of the procedures to the standard output (command line prompt).	**Competent** The basic but sound Python script will demonstrate appropriate calling of the MySQL stored procedures with only minor errors. The views contents and the result of the procedures are not outputted.	**Limited / Inaccurate** The Python script has substantial errors / inadequate code when calling MySQL stored procedures. .