

<i>Complete Distinction (5)</i>	<i>Complete (4)</i>	<i>Mostly Complete (3)</i>	<i>Partially Complete (2)</i>	<i>Incomplete (1)</i>
Proven ability to design a fully attributed relational database from a written business scenario. (Score: 40/100)				
Fields (columns) that should be indexed have been identified and indexes have been created. Field data types, lengths, default values, and use of nulls improves design. Exemplary naming conventions for tables and attributes have been used and ease in ERD understandability.	Solution has correctly identified the business entities from the business scenario. All entities have been fully attributed with the fields (columns) to fulfill the data requirements. A complete Entity Relationship Diagram (ERD) modeled to third normal form is available. The use of standard symbology to identify 1:1, 1:M, and M:M relationships is present. All the fields (columns) datatypes are well fit for purpose and the related FK to PK fields are of the same datatype and size.	Database design looks to be complete while containing some design errors due to incomplete attribution or poor normalization.	Database design does not implement fully attributed entities or relationships to fulfill the business scenario. The design is incomplete or in error from a 3 rd normal form perspective. Or normalization is incomplete.	Neither a database design or an Entity Relationship (ER) diagram have been provided.
Proven ability to implement the database in PostgreSQL using diagramming tools and SQL CREATE statements. (Score: 20/100)				
A library containing all SQL CREATE statements and related SQL objects is saved to a single or multiple folders. The folder and create file structure is optimized for database versioning and maintainability.	A single ER diagram or similar using a diagramming tool is present. A comprehensive set of SQL CREATE statements is available to generate all the database entities and their relationships. All PK and FK constraints are included in SQL. <i>(Note: it is ok for the SQL to be generated by the diagramming tool).</i>	SQL CREATE files have been provided which create the whole database. Some of the SQL CREATE statements for key constraints and relationships are missing.	A partial ER diagram that creates a partial set of SQL CREATE statements has been provided. Many objects are missing from the SQL CREATE files.	There is no evidence of an ER diagramming tool to generate SQL CREATE is present. OR SQL CREATE files have not been written by hand.
Proven ability to load a database using mock data generation and written INSERT and UPDATE SQL statements. (Score: 10/100)				
The re-loading of test data can be done with an organized set of script files. These script files can also be easily versioned and stored within the project github instance.	Whole of the database is loaded with mock / test data with the quality of data to adequately exercise the database design.	All tables and relationships have test data loaded into the database. The data loaded is incomplete to adequately test all the database relationships.	Database is only partially loaded with data.	No data is available in the database to adequately support the testing and querying of the database to confirm the accuracy of its design.
Proven ability to backup and restore a database from one computer to another. (Score: 10/100)				
All the database, table, and object CREATE statements have been added to the project repository on github. All test data load scripts have also been added the project github repository.	Ability to restore the whole project database without error and with having all data present for design evaluation.	Database backup recovery was possible with minor errors and/or incomplete data.	Database backup only provided partial database recovery.	No database backup was provided.
Proven ability to confirm their database design by exercising the data model with JOINed SQL queries and reporting. (Score: 20/100)				
A comprehensive set of SQL SELECT queries have been provided to test <u>all</u> database tables, attributes and relationships. JOINS and GROUP BY with aggregate functions exercise the database design end-to-end. All queries files are well named and commented to ease understanding.	Greater than six SQL queries exist with multi-table JOINS which exercise the database design are present. The use of SQL query clauses including; GROUP BY with use of aggregate functions, HAVING, WHERE, and ORDER BY.	Six SQL queries are present, they collectively do not exercise the database design in its entirety. SQL query JOINS are incorrect to adequately test the respective table relationships.	There are not six SQL queries that provide adequate coverage of all the database tables. The SQL queries are only partially implemented.	No queries to exercise the database design was provided.