Database Development
10-154-125
Prior Learning Assessment

NOTE: Microsoft SQL Server DBMS will be used for this PLA.

Create a database project that normalizes into at least 4, but no more than 10, entities.

The following are the deliverables for this project:

Database Development Phase	Deliverable(s)
Conceptual Design	▪ Business Rules; no additional assumptions should be made regarding the relationships among entities
Logical Design	▪ Entity-Relationship Diagram using the Crow's Foot Method including all entities, relationships, attributes, primary and foreign keys labeled, and weak entities double boxed. ▪ All Steps of the Dependency Diagram indicating 3NF ▪ Transaction Analysis ▪ CRUD Diagram
Physical Design	▪ SQL Server database designed and Database Diagram created in Standard View with all the columns, data types and null columns displayed
Testing & Maintenance	▪ Test Cases (*all* tables in your design will have 4 test cases; 2 for CREATE and 2 for DELETE) with INSERT and DELETE SQL statements captured.
Queries	▪ 10 Queries, of which 4 must involve more than 1 table. Each query should include a brief statement/scenario for the purpose/existence of the query.

This database will be created on an NWTC Microsoft SQL Server database server. Email the CPL Contact, Karen Krejcie at karen.krejcie@nwtc.edu, when this project is completed and ready for review.