# DAD 220 Module Three Major Activity Database Documentation Template

## Overview

Complete these steps as you work through the directions for this activity. Replace the bracketed text with your screenshots and brief explanations of the work they show. Each screenshot and its explanation should be sized to approximately one quarter of the page, with the description written below the screenshot. Follow these rules for each of the prompts and questions below. Review the example document for help.

## Create a Database

1. In your integrated development environment (IDE), **create a database schema** called QuantigrationRMA. List out the database name. Provide the SQL commands you ran to successfully complete this in your answer, then connect to it:

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CREATE DATABASE QuantigrationRMA;

SHOW DATABASES;

1. Using the entity relationship diagram (ERD) as a reference, **create** the following **tables with the appropriate attributes and keys**:
   1. A table named **customers** in the QuantigrationRMA database as defined on the project ERD. Provide the SQL commands you ran against MySQL to complete this successfully in your answer:

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CREATE TABLE Customers (

CustomerID INT,

FirstName VARCHAR(25),

LastName VARCHAR(25),

Steet VARCHAR(50),

City VARCHAR(50),

State VARCHAR(25),

ZipCode VARCHAR(10),

Telephone VARCHAR(15),

PRIMARY KEY (CustomerID)

);

Had to change the name of steet to street due to a typing mistake using the command:

ALTER TABLE Customers

CHANGE COLUMN Steet Street VARCHAR(50);

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* 1. A table named **orders** in the QuantigrationRMA database as defined on the project ERD. Provide the SQL commands you ran against MySQL to complete this successfully in your answer:

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CREATE TABLE Orders (

OrderID INT,

CustomerID INT,

SKU VARCHAR(20),

Description VARCHAR(50),

PRIMARY KEY (OrderID),

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

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* 1. A table named **rma** in the QuantigrationRMA database as defined on the project ERD. Provide the SQL commands you ran against MySQL to complete this successfully in your answer:

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CREATE TABLE RMA (

RMAID INT,

OrderID INT,

Step VARCHAR(50),

Status VARCHAR(15),

Reason VARCHAR(15),

PRIMARY KEY (RMAID),

FOREIGN KEY (OrderID) REFERENCES Orders(OrderID)

);

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1. Manually **add 10 records** into the **Customers table**. The data can be made up for now, as you you’ll populate all three tables later from the provided CSV files.

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INSERT INTO Customers (CustomerID, FirstName, LastName, Street, City, State, ZipCode, Telephone)

VALUES

(1, 'John', 'Doe', '123 Main St', 'New York', 'NY', '10001', '555-1234'),

(2, 'Jane', 'Smith', '456 Oak St', 'Los Angeles', 'CA', '90001', '555-5678'),

(3, 'Bob', 'Johnson', '789 Pine St', 'Chicago', 'IL', '60601', '555-4321'),

(4, 'Alice', 'Williams', '101 Elm St', 'Houston', 'TX', '77001', '555-8765'),

(5, 'Charlie', 'Davis', '202 Maple St', 'Miami', 'FL', '33101', '555-9876'),

(6, 'Eva', 'Brown', '303 Cedar St', 'San Francisco', 'CA', '94101', '555-2345'),

(7, 'David', 'Miller', '404 Birch St', 'Seattle', 'WA', '98101', '555-8765'),

(8, 'Grace', 'Anderson', '505 Walnut St', 'Boston', 'MA', '02101', '555-3456'),

(9, 'Frank', 'White', '606 Pineapple St', 'Atlanta', 'GA', '30301', '555-6543'),

(10, 'Helen', 'Johnson', '707 Orange St', 'Denver', 'CO', '80201', '555-7890');

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1. Create a view from the **existing Customers table** by using the SQL command provided belowto say "Collaborators." The view should show all instances of "Customer" renamed as "Collaborator."

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CREATE VIEW Collaborator AS

SELECT CustomerID AS CollaboratorID,

FirstName AS CollaboratorFirstName,

LastName AS CollaboratorLastName,

Street AS CollaboratorStreet,

City AS CollaboratorCity,

State AS CollaboratorState,

ZipCode AS CollaboratorZipCode,

Telephone AS CollaboratorTelephone

FROM Customers;

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DESCRIBE Collaborator;

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SELECT \* FROM Collaborator LIMIT 5;