# 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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* Go to your online integrated development environment (Codio), log in, start a new terminal session, and then **create a database schema** called QuantigrationRMA that can hold tables. List it out on the screen. Then, connect to the QuantigrationRMA schema.

1. Using the entity relationship diagram (ERD) as a reference, **create** the following **tables with the appropriate attributes and keys**:

**Table Names Customer**

**Attributes**

Customer\_ID INT (Primary Key)

First\_Name VARCHAR(50)

Last\_Name VARCHAR(50)

Email VARCHAR(100)

Phone\_Number VARCHAR(20)

Address VARCHAR(100)

City VARCHAR(50)

State VARCHAR(50)

Zip\_Code VARCHAR(20)

* 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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A table to store customer information with a primary key of Customer ID

* 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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A table to store order information with a primary key of Order ID and foreign key of Customer ID

* 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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A table to store RMA information with a primary key of RMA ID and foreign key of Order ID

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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You’ve been asked to establish a database view called "Collaborators" that is based on the "Customers" table. **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." Execute the following statements and provide one or more supporting screenshots showing the database view:

1. The following command is partially complete. Fill in the missing information in the brackets to complete it and run the commands correctly:
   * 1. CREATE VIEW Collaborator AS  
        SELECT CustomerID AS CollaboratorID, [Enter in the correct column names from that customer table that you want to change in the collaborator table]  
        FROM Customers;
     2. DESCRIBE Collaborator;

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* + 1. SELECT \* FROM Collaborator LIMIT 5;

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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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