# DAD 220 Module Three Major Activity Database Documentation

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## 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:

A computer screen capture

Description automatically generated with medium confidence

After connecting to MySQL, I entered the command CREATE DATABASE QuantigrationRMA;, which created a new database for me to utilize.

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:

A picture containing text, screenshot, computer, computer

Description automatically generated

For the next step, I created a table named customers. I then created several variables in the customers table and assigned it a primary key, customerID. The code I used can be seen above. I did have a typo in my coding. I used steet instead of street, which you will see shortly gave me a few errors when I tried to code what I thought that I had entered.

* 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:

A picture containing text

Description automatically generated

I also created a table named Orders with defined variables that I will utilize later. I also assigned this table a primary key OrderID. The coding I used can be seen above.

* 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:

Shape

Description automatically generated with medium confidence

I then created a table named RMA with some associated variables. I also assigned this table a primary key, RMAID. I utilized the same coding that I used in the previous two steps.

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.

Graphical user interface

Description automatically generated

I then entered ten records into the customer table. As you can see above, most of them were made up and will act as place holders. To do this I used the following command: INSERT INTO Customers VALUES (CustomerID, ‘FirstName’, ‘LastName’, ‘Steet’, ‘City’, ‘State’, ‘ZipCode’, ‘Telephone’);. I used the appropriate TYPE that was specified by ERD and was coded into the tables above.

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."

Text

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Per the reference picture above, you can see that I received an error. This was the error that I annotated earlier in my discussions because I had a type with the word street that I did not catch. I intend to figure out how to fix that later because I know we plan on using this database and associated tables in later assignments. I entered the command specified in the instructions with the information that I found pertinent, and assigned existing customers as collaborators. I then entered a command, which can be seen above, to show me the first five collaborators.