# DAD 220 Module Three Major Activity Database Documentation Template

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 capture. 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 assistance.

## Step One: 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 screenshot of a cell phone

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SQL is very easy, in the fact that you only have to write out “create database ‘…’” and that creates the database. And then, “show databases”, shows the databases.

1. Using the 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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Here a table was created with the different fields and their types. Using SMALLINT, which lends 6 available character positions, for CustomerID and ZipCode. Using VARCHAR with a range of 25 – 50 for FirstName, LastName, Street, City, and State. Don’t forget about the PRIMARY KEY, that was difficult to figure out. CONSTRAINT (VERY IMPORTANT).

* 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, not too difficult here. Just an important note on the difference between Primary Key and Foreign Key and how they connect. My initial assumption was some sort of inner join. How naïve of me.

* 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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Another very simple solution to the issue with Primary Keys and Foreign Keys. Just use CONSTRAINT and the proper formatting of CONSTRAINT “table name”\_pk PRIMARY KEY (“pk name”) for the primary key, and CONSTRAINT fk\_”table name” FOREIGN KEY (“field name”) REFERENCES “foreign table”(“foreign field name”)).

1. Edit the provided SQL query to **update your existing table** from “Customers” to “Collaborators” using SQL based on this change in requirements. Provide the updated SQL commands you completed and ran against MySQL to complete this successfully in your answer:

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Simply RENAME TABLE Customers TO Collaborators; just that simple. Very easy idea and simple execution. Rename the table to another name and everything still connects with foreign and primary keys because EVERYTHING updates! MySQL is great!