Instructions on Maintaining the Database v.6

1. **What Has to Be in the Database first?**
   1. Primary tables Project, Product, and WBS have to have rows that exist in the database. If what you are submitting into the database does not have a project, product, and wbs that already exists in the database, you must make sure it exists in the database. This will help hold the relationship integrity of the data to be stored in the database.
   2. The relationship tables are what links the corresponding Project, Product, WBSs together. Once you have the existing values in their tables, you will need to link them into the relationship tables. You would need to assign the pair of Project and Product together first in the Proj\_Prod Table. Then you would assign the Proj\_Prod\_ID to the WBS\_Proj\_Prod table to pair the WBS to pair the WBS and Proj\_Prod. identified what combination of Project, Product, and WBS, you are linking data to, you can retrieve the relationship ID that corresponds to the grouping.
2. **How to retrieve the relationship ID**

Using the Project, Product, and WBS IDs, you would search for the matching group and get a WBS\_Product\_Project\_ID through a search query.

1. **How to prepare a csv file for Database**

Using the retrieved WBS\_Product\_Project\_ID, you would insert this in front of every corresponding row in the csv data file.

1. **How to upload a csv file**

Based on the current setup of the database, using linux you would need to have the file in the current directory you are in. Log into the mysql database and connect to the database. You would use the following command to upload the csv file into the database:

load data local infile '/file\_path/DataFile.csv’ into table [desired table] fields terminated by ‘,’;

1. **How to check validity of uploaded Data**

Based on the current setup of the database, you will get an error message on whether or not the data was submitted correctly. But if you wanted to check and see if the data was correctly linked to the primary table relationships, you can run a query on the table you inserted data into. This will show the rows and columns of the desired table to show that the data was submitted correctly.