#### Data Dictionary:

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| Name | DataType | Remark |
| **mid** | int | Material ID.  \*Should be **generated automatically** by the system as Primary Key |
| mname | varchar | Material name. |
| mqty | int | Physical quantity. The actual amount of the material present in stock. |
| mrqty | int | Reserved quantity refers to the amount of material that has been set aside to produce a product from an approved order. It should be equal to or less than the physical quantity. |
| munit | varchar | Unit of the material. |
| mreorderqty | int | Low stock alert quantity level. |
| **cid** | int | Customer ID.  \*Should be **generated automatically** by the system as Primary Key |
| cname | varchar | Customer name. |
| cpassword | varchar | Customer account password. |
| ctel | int | Contact phone number. |
| caddr | text | Contact physical address. |
| company | varchar | Customer's related company name. |
| **pid** | int | Product ID.  \*Should be **generated automatically** by the system as Primary Key |
| pname | varchar | Product name. |
| pdesc | text | Product description. |
| pcost | decimal | Price per product item. |
| **oid** | int | Order ID.  \*Should be **generated automatically** by the system as Primary Key |
| odate | datetime | Date and time of order submission. |
| *pid* | int | Related product record.  *\*Reference to Product ID in Product table* |
| oqty | int | Order quantity. |
| ocost | decimal | Total price of the order. |
| *cid* | int | Related customer record.  *\*Reference to Customer ID in Customer table* |
| odeliverdate | datetime | Scheduled delivery date and time for the order. |
| ostatus | int | Order status. Using digits to represent an order status, e.g., **1** for "Open", **2** for "Processing", **3** for "Approved", **4** for "Pending delivery", **5** for "Completed", and **0** for "Rejected." |
| **sid** | int | Staff ID.  \*Should be **generated automatically** by the system as Primary Key |
| spassword | varchar | Staff account login password. |
| sname | varchar | Staff name. |
| srole | varchar | Staff role for system access control, if applicable. |
| stel | int | Contact phone number. |
| ***pid*** | int | *\*Reference to Product ID in Product table*  \*Should be paired with **mid** as **Composite Key** |
| ***mid*** | int | *\*Reference to Material ID in Material table*  \*Should be paired with **pid** as **Composite Key** |
| pmqty | int | Required quantity of material for a product. |