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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | | **DATA DICTIONARY** | | | | |  |  | |  |  |
|  |  |  | |  |  |  |  |  |  |  | |  |  |
| System: | | Jojo Industrial Sales | | | Date: 9/4/14 | | | | | | | | |
| Analyzed By: | | Kyle Tieng, Niccolo Enriquez, Queenie Te, Ramon Nario, Carlo Montenegro | | | | | | | | | | | |
|  |  | |  | |  |  |  |  |  | |  |  |  |
| Entity/ Relationship | | |  | |  |  |  |  |  | |  |  |  |
| Name: | | | Clients | |  |  |  |  |  | |  |  |  |
| Entity/ Relationship | | | These are the other companies that our client interacts with | | | | | | | | | | |
| Description: | | |
|  |  | |  | |  |  | |  |  | |  |  |  |
| Attribute Name | | | Description | |  | Primary | |  | Default | | Possible |  | Can be |
|  |  |  |  | |  | Key? | |  | Value | | Values |  | Null? |
| TIN No. | | | The TIN no. of the client | | | Y |  |  |  | | 000000000 - 999999999 |  | N |
| Name |  |  | Name of the client | | | N |  |  |  | | Alphanumeric |  | N |
| Address |  |  | The primary address of the client | | | N |  |  |  | | Alphanumeric |  | Y |
| Tel No. |  |  | The telephone number of the client; can have more than one. | | | N |  |  | | | xxx-xxxx |  | Y |
| Fax No. |  |  | The fax number of the client; can have more than one | | | N |  |  | | | xxx-xxxx |  | Y |
| Email |  |  | The email of the client | | | N |  |  | | | Alphanumeric |  | Y |
| Owner Name | |  | The name of the owner of the company | | | N |  |  | | | Alphabetical |  | Y |
| Client Type | |  | Whether the client is a customer or a supplier | | | N |  | Customer | | | Customer or Supplier |  | N |
|  |  | |  | |  |  |  |  |  | |  |  |  |
|  | | |  | |  |  |  |  |  | |  |  |  |
| Entity/ Relationship | | | Invoice | | | | | | | | | | |
| Name: | | |
| Entity/ Relationship | | | The receipt of the customer. | | | | | | | | | | |
| Description: | | |
|  | | |  | |  |  | | |  | |  |  |  |
| Attribute Name | | | Description | |  | Primary | |  | Default | | Possible |  | Can be |
|  |  |  |  | |  | Key? | |  | Value | | Values |  | Null? |
| Invoice No. | |  | The ID of the Invoice. | | | Y | |  |  | | 00000000 – 99999999 |  | N |
| Customer Name | |  | The name of the customer | | | N | |  |  | | Alphanumeric |  | N |
| Delivery Address | | | Where the ordered items were delivered; sometimes the address of the customer and the delivery address are different | | | N | |  |  | | Alphanumeric |  | Y |
| Customer’s PO No. | | | The purchase order number that the customer used | | | N | |  |  | | 0000000000 –  9999999999 |  | Y |
| Total Price | | | The total price of all the items that the customer ordered. | | | N |  | P0.00 | | | Pxxxxx.xx |  | Y |

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|  | | | | | | | | | | | | | |
| Entity/ Relationship | | | |  |  |  |  | |  |  |  |  |  |
| Name: | | | | Invoice Quantity |  |  |  | |  |  |  |  |  |
| Entity/ Relationship | | | | Associative entity linking the items to the invoice | | | | | | | | | |
| Description: | | | |
|  | | | |  |  |  | | | |  |  |  |  |
| Attribute Name | | | | Description |  | Primary | |  | | Default | Possible |  | Can be |
|  |  |  | |  |  | Key? | |  | | Value | Values |  | Null? |
| Invoice and Model No. | | | | A combination of the Primary Keys of the item and the invoice | | Y |  |  | |  | Alphanumeric |  | N |
| Quantity | | | | The quantity of the specific item ordered | | N |  | 0 | | | 0-999999 |  | Y |
| Unit | | | | The unit of the item ordered. Example: 500 cm of wire; cm would be the unit. | | N |  |  | |  | Alphabetical |  | Y |
| Discount | | | | The discount of the item. An item can have more than one discount. | | N |  | 0 | | | xx% |  | Y |
| Final Price | | | | The final price of the item computed with the discount | | N |  | P0.00 | | | Pxxxxx.xx |  | Y |
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| Entity/ Relationship | | |  |  |  |  |  |  |  |  |  |
| Name: | | | Purchase Order |  |  |  |  |  |  |  |  |
| Entity/ Relationship | | | The purchase orders that our client sends to their suppliers | | | | | | | | |
| Description: | | |
|  | | |  |  |  | | |  |  |  |  |
| Attribute Name | | | Description |  | Primary | |  | Default | Possible |  | Can be |
|  |  |  |  |  | Key? | |  | Value | Values |  | Null? |
| PO No. | | | The ID of the purchase order | | Y |  |  |  | 000000-999999 |  | N |
| Supplier Name | | | The name of the supplier | | N |  |  |  | Alphanumeric |  | N |
| Total Price | | | The total price of all the items that our client ordered. | | N |  |  |  | Pxxxxx.xx |  | Y |
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| Entity/ Relationship | | |  |  |  |  |  |  |  |  |  |
| Name: | | | PO Quantity |  |  |  |  |  |  |  |  |
| Entity/ Relationship | | | The Associative Entity that connects the purchase order with the items | | | | | | | | |
| Description: | | |
|  | | |  |  |  | | |  |  |  |  |
| Attribute Name | | | Description |  | Primary | |  | Default | Possible |  | Can be |
|  |  |  |  |  | Key? | |  | Value | Values |  | Null? |
| PO and Model No. | | | The ID of the PO Quantity | | Y |  |  |  | Alphanumeric |  | N |
| Quantity | | | The quantity of the items that our client ordered | | N |  | 0 |  | 0-999999 |  | Y |
| Price | | | The price of the item that our client as dictated by the supplier. | | N |  |  | | Pxxxxx.xx |  | Y |
| Unit | | | The unit of the item ordered. | | N |  |  |  | Alphabetical |  | Y |
| Discount | | | The discount of the item as dictated by the supplier. An item can have more than one discount. | | N |  | 0% | | xx% |  | Y |
| Final Price | | | The final price of the item computed with the discount | | N |  |  | | Pxxxxx.xx |  | Y |

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| Entity/ Relationship | | |  | |  |  |  |  |  |  |  |  |
| Name: | | | Items | |  |  |  |  |  |  |  |  |
| Entity/ Relationship | | | The items that our client currently sells and buys | | | | | | | | | |
| Description: | | |
|  | | |  | |  |  | | |  |  |  |  |
| Attribute Name | | | Description | |  | Primary | |  | Default | Possible |  | Can be |
|  |  |  |  | |  | Key? | |  | Value | Values |  | Null? |
| Model No. | |  | The model no. of the item | | | Y |  |  |  | Alphanumeric |  | N |
| Description | |  | The name of the item | | | N |  |  |  | Alphanumeric |  | Y |
| Price | |  | The price of the item | | | N |  | P0.00 | | Pxxxxx.xx |  | Y |
| Quantity | |  | The amount of the item left in the storage | | | N |  | 0 | | 0-999999 |  | Y |
| Storage Location | | | Where the item is stored | | | N |  |  | | Alphanumeric |  | Y |

Business Rules

* Clients can be suppliers, customers, or both.
* All requests are assured to be accomplished once accepted.
* Repeat clients will have the same TIN No. but Invoice No. and PO No. will be different.
* An item can have more than one discount, or can have none.
* Items listed in Purchase Orders can have no price since they are used to order items from suppliers.
* The address of the customer and the delivery address may differ.