This is an example of what the data dictionary should look like.

Required elements for each table

1. Column Name
2. Column Datatype

Nice to haves:

1. Constraints (Nullable, Primary key)
2. Description

Don’t be overly concerned about NULL/NOT NULL. More important is if the PRIMARY KEY is identified. Bonus points if they identify that sales has a compound primary key consisting of monthid, itemid, and locationid

Acceptable values, since this isn’t exhaustive, please use discretion.

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| --- | --- | --- | --- |
| Accounts | | | |
| Column | Datatype | Constraints | Description |
| Id | INTEGER | PRIMARY KEY | ID number of accounts |
| Name | VARCHAR | NOT NULL | Name of accounts |
| Website | VARCHAR | NOT NULL | Website accounts |
| Lat | NUMERIC | NOT NULL | Latitude coordinate of the account location |
| Long | NUMERIC | NOT NULL | Longitude coordinate of the account location |
| Primary\_poc | VARCHAR | NOT NULL | Primary point of contact (POC) for the account |
| Sales\_rep\_ID | INTEGER | FOREIGN KEY | ID of the sales representative assigned to the account |

|  |  |  |  |
| --- | --- | --- | --- |
| orders | | | |
| Column | Datatype | Constraints | Description |
| Id | INTEGER | PRIMARY KEY | ID number of the order |
| Account\_id | INTEGER | FOREIGN KEY | ID of the account associated with the order |
| Occurred\_at | DATETIME | FOREIGN KEY | Date and time when the order event occurred |
| Standard\_qty | INTEGER | NOT NULL | Quantity of standard (non-glossy) items ordered |
| Gloss\_qty | INTEGER | NOT NULL | Quantity of glossy items ordered |
| Poster\_qty | INTEGER | NOT NULL | Quantity of poster-sized items ordered |
| total | INTEGER | NOT NULL | Total quantity of all items ordered (sum of Standard\_qty + Gloss\_qty + Poster\_qty) |
| Standard\_amt\_usd | NUMERIC | NOT NULL | Total amount in USD for standard items |
| Gloss\_amt\_usd | NUMERIC | NOT NULL | Total amount in USD for glossy items |
| Poster\_amt\_usd | NUMERIC | NOT NULL | Total amount in USD for poster-sized items |
| Total\_amt\_usd | NUMERIC | NOT NULL | Grand total amount in USD for the entire order (sum of all \*\_amt\_usd) |

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| --- | --- | --- | --- |
| region | | | |
| Column | Datatype | Constraints | Description |
| id | INTEGER | PRIMARY KEY | Unique identifier for the region |
| name | VARCHAR |  | Name of the region |

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| --- | --- | --- | --- |
| Sales\_reps | | | |
| Column | Datatype | Constraints | Description |
| locationid | INTEGER | PRIMARY KEY | Unique identifier for the sales representative's location |
| name | VARCHAR |  | Name of the sales representative |
| Region\_id | VARCHAR | FOREIGN KEY | Identifier of the region or territory assigned to the sales rep |

|  |  |  |  |
| --- | --- | --- | --- |
| web\_events | | | |
| Column | Datatype | Constraints | Description |
| id | INTEGER | PRIMARY KEY | Unique identifier for the web event |
| Account\_id | INTEGER | FOREIGN KEY | ID of the account associated with the web event |
| Occurred\_at | DATETIME | PRIMARY KEY | Timestamp when the web event occurred (part of composite primary key) |
| channel | VARCHAR |  | Marketing channel through which the event was triggered (e.g., 'organic', 'paid') |