### **Alcohol Sales**

### **Data Dictionary:**

FK = Foreign key

PK = Primary key

VARCHAR = Fixed character length data (1 - 256 characters)

FLOAT = float numbers

BIGINT = 64 bits integer

INT = 32 bits integer

DECIMAL = Decimal of (5) and (2) formats

CHAR = Fixed character

#### **CATEGORY**

| **Attribute Name** | **Data Type** | **Description** | **PK OR FK** |
| --- | --- | --- | --- |
| CATEGORY\_ID | INT | Unique identifier for each category. | PK |
| CATEGORY\_NAME | VARCHAR(45) | Name of the category (e.g., Tequila, Vodka). |  |
| CATEGORY\_TAX\_FAMILY | VARCHAR(45) | Tax family associated with the category. |  |
| CATEGORY\_DESCRIPTION | VARCHAR(256) | Description of the category and its purpose. |  |

#### **SUPPLIER**

| **Attribute Name** | **Data Type** | **Description** | **PK OR FK** |
| --- | --- | --- | --- |
| SUPPLIER\_ID | INT | Unique identifier for each supplier. | PK |
| SUPPLIER\_NAME | VARCHAR(45) | Name of the supplier (e.g., Jose Cuervo). |  |
| SUPPLIER\_CONTACT | VARCHAR(45) | Contact details for the supplier. |  |

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#### **PRODUCT**

| **Attribute Name** | **Data Type** | **Description** | **PK OR FK** |
| --- | --- | --- | --- |
| PRODUCT\_SKU | VARCHAR(64) | Unique stock-keeping unit for each product. | PK |
| PRODUCT\_NAME | VARCHAR(127) | Name of the product (e.g., Jose Cuervo Gold). |  |
| PRODUCT\_BARCODE | VARCHAR(255) | Barcode number for the product. |  |
| COST\_OF\_GOODS\_SOLD | DECIMAL(5) | Cost of goods solds |  |
| CATEGORY\_ID | INT | Foreign key referencing CATEGORY\_ID. | FK |
| SUPPLIER\_ID | INT | Foreign key referencing SUPPLIER\_ID. | FK |
| DESCRIPTION | VARCHAR(256) | Description of the product |  |
| PRICE\_TIER1 | DECIMAL(5) | Price of the product tier1 |  |
| PRICE\_TIER2 | DECIMAL(5) | Price of the product tier 2 |  |
| PRICE\_TIER3 | DECIMAL(5) | Price of the product tier3 |  |

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#### **INVENTORY**

| **Attribute Name** | **Data Type** | **Description** | **PK OR FK** |
| --- | --- | --- | --- |
| INVENTORY\_QUANTITY | INT | Quantity of the product in stock. |  |
| PRODUCT\_SKU | BIGINT | Foreign key referencing PRODUCT\_SKU. | FK |
| LOCATION\_ID | INT | Foreign key referencing LOCATION\_ID. | FK |

#### **LOCATION**

| **Attribute Name** | **Data Type** | **Description** | **PK OR FK** |
| --- | --- | --- | --- |
| LOCATION\_ID | INT | Unique identifier for each location. | PK |
| LOCATION\_NAME | VARCHAR(45) | Name of the location (e.g., Oak Hill, Airport). |  |
| LOCATION\_ADDRESS | VARCHAR(100) | Address of the location. |  |

#### **CUSTOMER**

| **Attribute Name** | **Data Type** | **Description** | **PK OR FK** |
| --- | --- | --- | --- |
| CUSTOMER\_ID | INT | Unique identifier for each customer. | PK |
| CUSTOMER\_NAME | VARCHAR(45) | Name of the customer. |  |
| CUSTOMER\_CONTACT | VARCHAR(45) | Contact details of the customer. |  |
| PRICE\_TIER | TINYINT | Price tier for the customer. |  |

#### **INVOICE**

| **Attribute Name** | **Data Type** | **Description** | **PK OR FK** |
| --- | --- | --- | --- |
| INVOICE\_ID | INT | Unique identifier for each invoice. | PK |
| INVOICE\_DATE | DATE | Date the invoice was generated. |  |
| INVOICE\_TOTAL | DECIMAL(10,2) | Total amount of the invoice. |  |
| CUSTOMER\_ID | INT | Foreign key referencing CUSTOMER\_ID. | FK |

#### **EMPLOYEE**

| **Attribute Name** | **Data Type** | **Description** | **PK OR FK** |
| --- | --- | --- | --- |
| EMPLOYEE\_ID | INT | Unique identifier for each employee. | PK |
| EMPLOYEE\_NAME | VARCHAR(45) | Name of the employee. |  |
| EMPLOYEE\_ROLE | VARCHAR(45) | Role of the employee (e.g., cashier, manager). |  |
| EMPLOYEE\_HOURLY\_RATE | FLOAT | Hourly pay rate for the employee. |  |
| LOCATION\_ID | INT | Foreign key referencing LOCATION\_ID. | FK |

### **TRANSACTIONS**

| **Attribute Name** | **Data Type** | **Description** | **PK OR FK** |
| --- | --- | --- | --- |
| TRANSACTIONS\_ID | INT | Unique identifier for each transaction. | PK |
| INVOICE\_ID | INT | Identifier for the associated invoice. | FK |
| PRODUCT\_SKU | VARCHAR(64) | Stock Keeping Unit (SKU) of the product. | FK |
| QUANTITY | INT | Quantity of the product purchased. |  |
| TRANSACTIONS\_PRICE | DECIMAL(5, 2) | Total price for the transaction. |  |

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### **Relationships:**

* **CATEGORY** is linked to **PRODUCT** through CATEGORY\_ID.
* **SUPPLIER** is linked to **PRODUCT** through SUPPLIER\_ID.
* **PRODUCT** is linked to **INVENTORY** through PRODUCT\_SKU.
* **INVENTORY** is linked to **LOCATION** through LOCATION\_ID.
* **CUSTOMER** is linked to **INVOICE** through CUSTOMER\_ID.
* **EMPLOYEE** is linked to **LOCATION** through LOCATION\_ID.
* **TRANSACTIONS** is linked to **INVOICE** through INVOICE\_ID.
* **TRANSACTIONS** is linked to **PRODUCT** through PRODUCT\_SKU.