**Database Structure**

**CONTACT\_PERSON**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| CONTACT\_PERSON\_ID | INT | 10 | Y |  | Y | Y |  | AUTO\_INCREMENT |
| SUPPLIER\_ID | INT | 10 |  | SUPPLIER (SUPPLIER\_ID) ON DELETE CASCADE | Y |  |  |  |
| LAST\_NAME | VARCHAR | 30 |  |  | Y |  |  |  |
| FIRST\_NAME | VARCHAR | 30 |  |  |  |  |  |  |
| PHONE\_NUMBER | VARCHAR | 10 |  |  |  |  |  |  |
| EMAIL | VARCHAR | 50 |  |  |  |  |  |  |

**DAYS\_OF\_DELIVERY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| SUPPLIER\_ID | INT | 10 | Y | SUPPLIER (SUPPLIER\_ID)ON DELETE CASCADE | Y | Y |  |  |
| DAY | ENUM | Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday | Y |  | Y |  |  |  |

**ITEM**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| ITEM\_ID | INT | 6 | Y |  | Y | Y |  | AUTO\_INCRMENT=65000 |
| DIST\_CODE | VARCHAR | 15 |  |  |  |  |  |  |
| ITEM\_NAME | VARCHAR | 30 |  |  | Y | Y |  |  |
| RECEIPT\_NAME | VARCHAR | 20 |  |  |  | Y |  |  |
| CATEGORY | VARCHAR | 20 |  | ITEM\_CATEGORY (CAT\_NAME) |  |  |  |  |
| UNIT | VARCHAR | 20 |  |  |  |  |  |  |
| ITEM\_TYPE | ENUM | Market, Bistro, Catering |  |  | Y |  |  |  |
| COMMENT | TEXT |  |  |  |  |  |  |  |
| LATEST\_PRICE | INT | 10 |  | PRICE\_HISTORY (PRICE\_ID) |  |  |  |  |
| SUPPLIER\_ID | INT | 10 |  | SUPPLIER (SUPPLIER\_ID) ON DELETE CASCADE |  |  |  |  |
| U\_ACTIVE\_INA | VARCHAR | 50 |  |  |  |  |  |  |
| U\_BIZERBA | VARCHAR | 50 |  |  |  |  |  |  |
| U\_BRAND | VARCHAR | 50 |  |  |  |  |  |  |
| U\_CASE\_SIZE | VARCHAR | 50 |  |  |  |  |  |  |
| U\_MINOR\_REPO | VARCHAR | 50 |  |  |  |  |  |  |
| U\_COOKING\_IN | VARCHAR | 50 |  |  |  |  |  |  |
| U\_COUNTRY | VARCHAR | 50 |  |  |  |  |  |  |
| U\_DATE\_CREAT | VARCHAR | 50 |  |  |  |  |  |  |
| U\_DATE\_MOTIF | VARCHAR | 50 |  |  |  |  |  |  |
| U\_DESCRIPTO | TEXT |  |  |  |  |  |  |  |
| U\_EXPIRY\_DAT | VARCHAR | 50 |  |  |  |  |  |  |
| U\_INGREDIENT | VARCHAR | 50 |  |  |  |  |  |  |
| U\_KEYWORDS | VARCHAR | 50 |  |  |  |  |  |  |
| U\_NOTES | TEXT |  |  |  |  |  |  |  |
| U\_ORDER | VARCHAR | 50 |  |  |  |  |  |  |
| U\_PLU | VARCHAR | 50 |  |  |  |  |  |  |
| U\_PRICE | DECIMAL | 10,2 |  |  |  |  |  |  |
| U\_SILVERWARE | VARCHAR | 50 |  |  |  |  |  |  |
| U\_SKU | VARCHAR | 50 |  |  |  |  |  |  |
| U\_STORAGE | VARCHAR | 50 |  |  |  |  |  |  |
| U\_STORAGE\_TY | VARCHAR | 50 |  |  |  |  |  |  |
| U\_TYPE | VARCHAR | 50 |  |  |  |  |  |  |
| U\_UPC\_CODE | VARCHAR | 50 |  |  |  |  |  |  |
| U\_USERNAME\_C | VARCHAR | 50 |  |  |  |  |  |  |
| U\_USERNAME\_M | VARCHAR | 50 |  |  |  |  |  |  |
| U\_PRICE\_PER | DECIMAL | 10,2 |  |  |  |  |  |  |
| U\_TAX | VARCHAR | 50 |  |  |  |  |  |  |
| U\_SCALE | VARCHAR | 50 |  |  |  |  |  |  |

**ITEM\_CATEGORY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| CAT\_NAME | VARCHAR | 20 | Y |  | Y | Y |  |  |
| COMMENT | TEXT |  |  |  |  |  |  |  |

**PO\_LINE**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| PO\_ID | INT | 10 | Y | PURCHASE\_ORDER (PO\_ID) ON DELETE CASCADE | Y |  |  |  |
| PO\_LINE\_ID | INT | 3 | Y |  | Y |  |  |  |
| ITEM\_ID | INT | 8 |  | ITEM (ITEM\_ID) | Y |  |  |  |
| QTY\_ORDERED | INT | 10 |  |  | Y |  |  |  |
| QTY\_RECEIVED | INT | 10 |  |  |  |  |  |  |
| COMMENT | TEXT |  |  |  |  |  |  |  |
| AUTHOR | VARCHAR | 20 |  | USER (USER\_ID) | Y |  |  |  |
| PRICE\_ID | INT | 10 |  | PRICE\_HISTORY (PRICE\_ID) | Y |  |  |  |

**PRICE\_HISTORY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| PRICE\_ID | INT | 10 | Y |  | Y | Y |  | AUTO\_INCREMENT |
| ITEM\_ID | INT | 6 |  | ITEM (ITEM\_ID) ON DELETE CASCADE | Y |  |  |  |
| PRICE | DECIMAL | 8,2 |  |  | Y |  |  |  |
| AUTHOR | VARCHAR | 20 |  | USER USER\_ID) | Y |  |  |  |
| LOG\_DATE | DATETIME |  |  |  | Y |  |  |  |

**PURCHASE\_ORDER**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| PO\_ID | INT | 10 | Y |  | Y | Y |  | AUTO\_INCREMENT |
| STATUS | ENUM | Queued, Submitted, Received, Returned |  |  | Y |  |  |  |
| CREATE\_DATE | DATETIME |  |  |  | Y |  |  |  |
| SUBMIT\_DATE | DATETIME |  |  |  |  |  |  |  |
| DELIVERY\_DATE | DATE |  |  |  |  |  |  |  |
| DELIVERY\_TIME | VARCHAR | 10 |  |  |  |  |  |  |
| RECEIVE\_DATE | DATE |  |  |  |  |  |  |  |
| REF\_NUMBER | VARCHAR | 10 |  |  |  |  |  |  |
| COMMENT | TEXT |  |  |  |  |  |  |  |
| SUPPLIER\_ID | INT | 10 |  | SUPPLIER (SUPPLIER\_ID) | Y |  |  |  |

**RETURN\_LINE**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| PO\_ID | INT | 10 | Y | PURCHASE\_ORDER (PO\_ID) ON DELETE CASCADE | Y |  |  |  |
| RETURN\_LINE\_ID | INT | 3 | Y |  | Y |  |  |  |
| PO\_LINE\_ID | INT | 3 |  | PO\_LINE (PO\_LINE\_ID) | Y |  |  |  |
| RETURN\_DATE | DATE |  |  |  | Y |  |  |  |
| QTY\_RETURNED | INT | 10 |  |  | Y |  |  |  |
| CREDIT\_MEMO\_NUM | VARCHAR | 20 |  |  |  |  |  |  |
| COMMENT | TEXT |  |  |  |  |  |  |  |
| AUTHOR | VARCHAR | 20 |  | USER (USER\_ID) | Y |  |  |  |

**SUPPLIER**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| SUPPLIER\_ID | INT | 10 | Y |  | Y | Y |  | AUTO\_INCREMENT |
| NAME | VARCHAR | 50 |  |  | Y |  |  |  |
| LEGAL\_NAME | VARCHAR | 50 |  |  |  |  |  |  |
| LEAD\_TIME | VARCHAR | 20 |  |  |  |  |  |  |
| SUPPLIER\_COMMENT | TEXT |  |  |  |  |  |  |  |
| SPECIAL\_COMMENT | TEXT |  |  |  |  |  |  |  |

**SUPPLIER\_ADDRESS**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| ADDRESS\_ID | INT | 10 | Y |  | Y | Y |  | AUTO\_INCREMENT |
| SUPPLIER\_ID | INT | 10 |  | SUPPLIER (SUPPLIER\_ID) ON DELETE CASCADE | Y |  |  |  |
| ADDRESS\_LINE\_1 | VARCHAR | 50 |  |  |  |  |  |  |
| ADDRESS\_LINE\_2 | VARCHAR | 50 |  |  |  |  |  |  |
| CITY | VARCHAR | 50 |  |  |  |  |  |  |
| PROV\_STATE | VARCHAR | 30 |  |  |  |  |  |  |
| COUNTRY | VARCHAR | 30 |  |  |  |  |  |  |
| POSTAL\_ZIP | VARCHAR | 10 |  |  |  |  |  |  |
| PHONE\_NUMBER | CHAR | 10 |  |  |  |  |  |  |

**USER**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **PK** | **FK** | **Not Null** | **Unique** | **Check** | **Default** |
| USER\_ID | VARCHAR | 20 | Y |  | Y | Y |  |  |
| PASSWORD | CHAR | 32 |  |  | Y |  |  |  |
| EMAIL | VARCHAR | 40 |  |  |  |  |  |  |
| EMPLOYEE\_ID | VARCHAR | 20 |  |  |  |  |  |  |
| ROLE | ENUM | Administrator, Buyer, Receiver, Supplier |  |  | Y |  |  |  |