Data Dictionary - Updated Deliverable 3

Group 4

Storage Table —

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Key** | **Null Status** | **Remarks** |
| Facility\_ID | Int | Primary Key | NOT NULL | Surrogate key  IDENTITY (1,1) |
| FaciIityName | Varchar (25) | Alternate Key | NOT NULL | Unique (AK 1.1) |
| Facility\_Address | Varchar (50) | No | NULL |  |
| Facility\_City | Varchar (25) | No | NULL |  |
| FaciIity\_State | Varchar (25) | No | NULL |  |
| Facility\_Zipcode | Varchar (10) | No | NULL |  |
| Facility\_Size | int | No | NULL |  |

Batch Table —

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | | **Key** | **Null Status** | **Remarks** |
| Batch\_ID | Int | Primary Key | | NOT NULL | Surrogate key  IDENTITY (1,1) |
| Drug\_ID | Int | Foreign Key | | NOTNULL | Unique (AK 1.1) |
| Original\_Quantity | Int | No | | NOT NULL |  |
| Available\_Quantity | Int | No | | NULL |  |
| Create\_Date | DATETIME | | No | NOT NULL | Create date < Expiration Date (Between 1900  & 2999)  Unique (AK 1.2) |
| Expiration\_Date | DATE | | No | NOT NULL | Create date < Expiration Date (Between 1900  & 2999) |

Drug Table —

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Key** | **Null Status** | **Remarks** | |
| Drug\_ID | Int | Primary Key | NOT NULL | Surrogate key  IDENTITY (1,1) | |
| Drug\_Description | Varchar (50) | No | NOT NULL | Unique (AK 1.1) | |
| Drug\_Type | Varchar (25) | No | NULL | IN (’Pill’, ’Tablet’, 'Liquid',  ‘Powder’,  'Cream’) | |
| Shelf\_Duration | Int | No | NULL | Number of days |
| Storage\_Size | Int | No | NULL | Number of  pallets |

Order Table —

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Key** | | | **Null Status** | | **Remarks** | | |
| Order\_ID | Int | | Primary Key | | NOT NULL | | | Surrogate key  IDENTITY (1,1) | |
| Drug\_ID | Int | | Foreign Key | | NOT NULL | | | Unique (AK 1.1) | |
| Batch ID | Int | | Foreign Key | | NOT NULL | | | Unique (AK 1.2) | |
| FaciIity\_ID | Int | | Foreign Key | | NOT NULL | | | Unique (AK 1.3) | |
| D\_H\_ReIationship\_ID | Int | | Foreign Key | | NOT NULL | | | Unique (AK 1.4) | |
| Order\_Type\_ID | Int | | Foreign Key | | NOT NULL | | |  | |
| Req\_Quantity | Int | | No | | NOT NULL | | |  | |
| Quantity | Int | | No | | NOT NULL | | | Quantity <= Available\_Quantity | |
| Used\_Quantity | Int | | No | | NULL | | |  | |
| Cost | Money | | No | | NOT NULL | | | USD ($) | |
| Size | Int | | No | | NULL | | | Number of pallets | |
| Order\_Date | Date | | No | | NOT NULL | | | (Between 1900 &  2999) | |
| DeIivery\_By\_Date | Date | | | No | | NULL | | | DeIivery\_By\_Date  >= Order Date (Between 1900 &  2999) |
| DC\_Delivery\_Date | Date | No | | | NULL | | DC Delivery Date  >= Order Date (Between 1900 &  2999) | | |
| HC\_DeIivery\_Date | Date | No | | | NULL | | HC\_DeIivery\_Date  DC Delivery Date (Between 1900 &  2999) | | |

Health\_Records Table —

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Key** | **Null Status** | **Remarks** |
| HealthRecords\_ID | Int | Primary Key | NOT NULL | Surrogate key IDENTITY (1,1) |
| Treatment\_Description | Varchar (50) | No | NOT NULL |  |
| HC\_ID | Int | Foreign Key | NOT NULL | Unique (AK  1.1) |
| PatientNumber | Int | No | NOT NULL |  |
| Dosage | Varchar | No | NULL | Prescription  details |
| Consumption\_Duration | Int | No | NULL | Number of days |
| Visit\_Date | Date | No | NOT NULL | Unique (AK  1.2) |

Health\_Center Table —

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Key** | **Null Status** | **Remarks** |
| HC\_ID | Int | Primary Key | NOT NULL | Surrogate key  IDENTITY (1,1) |
| HC\_Description | Varchar (50) | No | NOT NULL | Unique (AK  1.1) |
| HC\_Type | Varchar(25) | No | NULL | IN ('Hospital',  'Health Center’) |
| HC\_Address | Varchar(25) | No | NULL |  |
| HC\_City | Varchar(25) | No | NULL |  |
| HC\_State | Varchar(25) | No | NULL |  |
| HC\_Zipcode | Varchar (25) | No | NULL |  |

# Order\_Type Table —

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Key** | **Null Status** | **Remarks** |
| Order\_Type\_ID | Int | Primary Key | NOT NULL | Surrogate key IDENTITY (1,1) |
| Order\_Type\_Description | Varchar (25) | No | NULL | IN ('Order’,  'Reorder’, 'Refill’) |
| RushOrder | Varchar (25) | No | NULL | IN ('Rush’, 'Standard') |

Distribution\_Center Table —

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Key** | **Null Status** | **Remarks** | |
| Distribution\_ID | | Int | Primary Key | NOT NULL | Surrogate key  IDENTITY (1,1) |
| Distribution\_Description | | Varchar (50) | No | NOT NULL | Unique (AK 1.1) |
| Distribution\_Address | | Varchar (50) | No | NULL |  |
| Distribution\_City | | Varchar (25) | No | NULL |  |
| Distribution\_State | | Varchar (25) | No | NULL |  |
| Distribution\_ZipCode | | Varchar (25) | No | NULL |  |
| Facility\_Distance | | Double | No | NULL | In miles |
| Facility\_Duration | | Int | No | NULL | Number of days |
| FaciIity\_Rush\_Duration | | Int | No | NULL | Number of  days |

D\_H\_Relationship Table —

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Key** | **Null**  **Status** | **Remarks** |
| D\_H\_Relationship\_ID | Int | Primary Key | NOT  NULL | Surrogate key  IDENTITY (1,1) |
| Distribution\_ID | lnt | Foreign Key | NOT  NULL | Unique (AK 1.1) | |
| HC\_ID | Int | Foreign Key | NOT  NULL | Unique (AK 1.2) | |
| Distance | Double | No | NULL | In miles | |
| Duration | Int | No | NULL | Rush\_duration<= Duration | |
| RushDuration | lnt | No | NULL | Rush\_duration<= Duration | |
| Fee | Money | No | NOT  NULL | USD ($) | |
| Rush\_Fee | Money | No | NULL | USD ($) | |
| ReIationship\_Start\_Date | Date | No | NULL | ReIationship\_Start\_Date <  ReIationship\_End\_Date (Between 1900 & 2999) | |
| ReIationship\_End\_Date | Date | No | NULL | ReIationship\_Start\_Date < ReIationship\_End\_Date  (Between 1900 & 2999) | |

# Prescription Table —

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Key** | **Null Status** | **Remarks** |
| Prescription\_ID | Int | Primary Key | NOT NULL | Surrogate key  IDENTITY (1,1) |
| Drug\_ID | Int | Primary Key | Foreign Key | NOT NULL |  |
| HealthRecords\_ID | Int | Foreign Key | NOT NULL |  |