DELIVERABLE 2- DATA DICTIONARY

Storage Table –

Field Name	Data Type	Key	Null Status	Remarks
Facility_ID	Int	Primary Key	NOT NULL	Surrogate key IDENTITY (1,1)
Facility_Name	Varchar (25)	Alternate Key	NOT NULL	Unique (AK 1.1)
Facility_Address	Varchar (50)	No	NULL	
Facility_City	Varchar (25)	No	NULL	
Facility_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	NOT NULL	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	IN(Order', 'Reorder', 'Refill')
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)
Facility_ID	Int	Foreign Key	NOT NULL	Unique (AK 1.3)
Relationship_ID	Int	Foreign Key	NOT NULL	Unique (AK 1.4)
Order_Type_ID	Int	Foreign Key	NOT NULL	
Quantity	Int	No	NOT NULL	Quantity <= Available_Quantity
Cost	Money	No	NOT NULL	USD ($)
Cubic_Size	Int	No	NULL	Number of pallets
Order_Date	Date	No	NOT NULL	(Between 1900 & 2999)
Delivery_By_Date	Date	No	NULL	Delivery_By_Date >= Order_Date (Between 1900 & 2999)

DC_Delivery_Date	Date	No	NULL	DC_Delivery_Date >= Order_Date (Between 1900 & 2999)
HC_Delivery_Date	Date	No	NULL	HC_Delivery_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)
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 (50)	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')
Rush Order	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
Facility_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	Int	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
Rush Duration	Int	No	NULL	Rush_duration<= Duration
Fee	Money	No	NOT NULL	USD ($)
Rush_Fee	Money	No	NULL	USD ($)
Relationship_Start_Date	Date	No	NULL	Relationship_Start_Date < Relationship_End_Date (Between 1900 & 2999)
Relationship_End_Date	Date	No	NULL	Relationship_Start_Date < Relationship_End_Date (Between 1900 & 2999)