Product Table:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Id | Name | Sku | Department | IsPrescription | Price | Stock |
| 1 | Head & Shoulders Men Refresh Dandruff Shampoo 700 ml | 037000141303 | Personal Care | 0 | 12.99 | 7 |
| 2 | Tylenol Children's Acetaminophen Suspension Usp Cherry 100 ml | 064541319809 | Everyday Medicines & First Aid | 0 | 6.96 | 3 |
| 3 | Vicks Nyquil Base Cough/Cold Cherry | 056100074816 | Everyday Medicines & First Aid | 0 | 9.99 | 6 |
| 4 | SEROQUEL XR (QUETEAPINA)30TAB 300MG | 7501098605229 | Drugs | 1 | 126.65 | 2 |
| 5 | Plan B Emergency Contraception 2 Tablets | 628791051713 | Sexual Wellbeing | 1 | 44.49 | 4 |
| 6 | Durex Maximum 12 Condoms | 067981100907 | Sexual Wellbeing | 0 | 19.49 | 12 |
| 7 | Iron Kids Gummies Omega-3's for Smart Kids 60 Gummies | 683702100072 | Vitamins & Supplements | 0 | 9.99 | 0 |
| 8 | Lithium Carbonate - 250mg (100 Capsules) | 20080403191042 | Drugs | 1 | 12.30 | 7 |
| 9 | Sunny D Citrus Drink | 050200560002 | Groceries | 0 | 3.99 | 22 |

Sales Table:

|  |  |  |
| --- | --- | --- |
| ID | Timestamp | Employee |
| 1 | 2014-11-14-12.12.23.00 | Debra |
| 2 | 2014-11-14-13.05.23.00 | Craig |
| 3 | 2014-11-14-15.22.23.00 | Faheed |

Prescription Table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Customer | Doctor | DateOrdered | DateDelivered | isFulfilled |
| 1 | John | House | 2014-11-13-12.00.23.00 | 2014-11-14-15.22.23.00 | 1 |
| 2 | Mary | Chase | 2014-11-13-12.00.23.00 | Null | 0 |

SP Table:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Sale | Product | Quantity |
| 1 | 1 | 1 | 2 |
| 2 | 1 | 6 | 3 |
| 3 | 2 | 2 | 1 |
| 4 | 2 | 3 | 1 |
| 5 | 2 | 7 | 1 |
| 6 | 2 | 9 | 8 |
| 7 | 3 | 4 | 1 |
| 8 | 3 | 8 | 1 |

PP Table:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Prescription | Product | Quantity |
| 1 | 1 | 4 | 1 |
| 2 | 1 | 8 | 2 |
| 3 | 2 | 5 | 1 |

Data Dictionary:

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Reasoning |
| Product Table: | | |
| ID | integer NOT NULL | Internal identifiers for products |
| Name | varchar(500) NOT NULL | Name by which clients identify the product |
| SKU | varchar(25) NOT NULL | Industry Identifier for product |
| Department | varchar(100) | Labels to categorize products by use |
| IsPrescription | integer | 1 or 0; Determines whether product can be sold over the counter |
| Price | double NOT NULL | Monetary value |
| Stock | integer NOT NULL | Quantity of the product contained in the store |
| Sale Table: | | |
| ID | integer NOT NULL | Internal identifiers for each transaction processed at a Point of Sale |
| Timestamp | timestamp NOT NULL | Date at which sale happened |
| Employee | varchar(25) NOT NULL | Employee who processed the sale |
| Prescription Table: | | |
| ID | integer NOT NULL | Internal identifiers for prescriptions |
| Customer | varchar(100) NOT NULL | Name of Customer who will pick it up |
| Doctor | varchar(100) NOT NULL | Name of Doctor who prescribed it |
| DateOrdered | timestamp NOT NULL | Date when the Prescription was ordered. |
| DateDelivered | timestamp | Date when the Prescription was delivered, if it is null, the prescription has not been picked up. |
| isFulfilled | integer NOT NULL | 1 or 0; Determines whether the pharmacist has gathered the contents of the prescription. |
| Sale-Product Relation: | | |
| ID | integer NOT NULL | Database-enforced primary key |
| SaleID | integer NOT NULL | Sale identifier |
| ProductID | integer NOT NULL | Product Identifier |
| Quantity | integer NOT NULL | Amount of this product sold in this sale. |
| Prescription-Product Relation: | | |
| ID | integer NOT NULL | Database-enforced primary key |
| PrescriptionID | integer NOT NULL | Prescription identifier |
| ProductID | integer NOT NULL | Product Identifier |
| Quantity | integer NOT NULL | Amount of this product in this prescription. |