

## Data Dictionary

### Description of Entities:

Entity Name	Description	Occurrence
Patient	Stores fundamental information about each patient within the healthcare system.	One patient can have many prescriptions. A prescription is unique for a patient.
Prescription	Stores the indications sent by the doctors to the patients.	A doctor can issue many prescriptions to the patients. A prescription is unique for each patient. And from a single prescription, many orders can be issued.
Doctor	Stores information about medical professionals who provide healthcare services.	A doctor can work in a single hospital; also, a doctor can issue many prescriptions.
Hospital	Stores data about healthcare institutions where medical services are provided.	One doctor can work in only one hospital. A hospital can have many doctors.
Order	Records details about medication orders associated with prescriptions.	One prescription can result in many orders. An order can contain multiple drugs. Many orders can have many listing drugs.
Drug	Contains details about various medications available in the system.	A drug can be present in many orders. A drug can be included in many pharmacy-drugs listing.
Pharmacy	Contains info about pharmacies that dispense medications.	A pharmacy can list many drugs for sale; many listings can refer to only one pharmacy.
Pharmacy_drug_listing	Creates a crucial link between pharmacies and the drugs they stock, also including stock-specific details.	A listed drug-pharmacy can only refer to a single pharmacy and to a single drug. Pharmacies and drugs can have multiple listings.

**Description of Attributes:**

Entity Name	Attributes	Description	Data Type	Nulls	Multi - valued	Derived	Default
Patient	patient_id	Unique ID for each patient	INT	No	No	No	None
Patient	patient_name	Name of the patient	VARCHAR(100)	No	No	No	None
Patient	patient_dob	Date of birth of the patient	DATE	No	No	No	None
Patient	patient_gender	Gender of the patient	VARCHAR(10)	No	No	No	None
Patient	patient_phone	Phone number of the patient	VARCHAR(15)	No	No	No	None
Patient	patient_height	Height of the patient	DECIMAL(5,2)	No	No	No	None
Patient	patient_weight	Weight of the patient	DECIMAL(5,2)	No	No	No	None
Patient	patient_address	Address of the patient	VARCHAR(255)	No	No	No	None
Doctor	doctor_id	Unique ID for each doctor	INT	No	No	No	None

Doctor	doctor_name	Name of the doctor	VARCHAR(100)	No	No	No	None
Doctor	doctor_phone	Phone number of the doctor	VARCHAR(15)	No	No	No	None
Doctor	doctor_speciality	Specialty of the doctor	VARCHAR(100)	No	No	No	None
Doctor	hospital_id	ID of the hospital where the doctor works	INT	No	No	No	None
Hospital	hospital_id	Unique ID for each hospital	INT	No	No	No	None
Hospital	hospital_name	Name of the hospital	VARCHAR(100)	No	No	No	None
Hospital	hospital_address	Address of the hospital	VARCHAR(255)	No	No	No	None
Hospital	hospital_phone	Phone number of the hospital	VARCHAR(15)	No	No	No	None
Hospital	hospital_is_private	Indicates if the hospital is private or public	BOOLEAN	No	No	No	None
Prescription	prescription_id	Unique ID for each prescription	INT	No	No	No	None

Prescription	prescription_date	Date the prescription was issued	DATE	No	No	No	None
Prescription	prescription_priority_status	Priority status of the prescription	VARCHAR(50)	No	No	No	None
Prescription	prescription_expiry_date	Expiry date of the prescription	DATE	No	No	No	None
Prescription	patient_id	ID of the patient to whom the prescription is issued	INT	No	No	No	None
Prescription	doctor_id	ID of the doctor who issued the prescription	INT	No	No	No	None
Drug	drug_id	Unique ID for each drug	INT	No	No	No	None
Drug	drug_name	Name of the drug	VARCHAR(100)	No	No	No	None
Drug	drug_manufacturer	Manufacturer of the drug	VARCHAR(100)	No	No	No	None
Drug	drug_category	Category of the drug	VARCHAR(50)	No	No	No	None

Drug	drug_instructions	Instructions for using the drug	TEXT	No	No	No	None
Drug	drug_RRP	Recommended Retail Price of the drug	DECIMAL(10,2)	No	No	No	None
Pharmacy	pharmacy_id	Unique ID for each pharmacy	INT	No	No	No	None
Pharmacy	pharmacy_name	Name of the pharmacy	VARCHAR(100)	No	No	No	None
Pharmacy	pharmacy_address	Address of the pharmacy	VARCHAR(255)	No	No	No	None
Pharmacy	pharmacy_phone	Phone number of the pharmacy	VARCHAR(15)	No	No	No	None
Pharmacy_Drug_Listing	drug_id	ID of the drug listed in the pharmacy	INT	No	No	No	None
Pharmacy_Drug_Listing	pharmacy_id	ID of the pharmacy listing the drug	INT	No	No	No	None

Pharmacy_Drug_Listing	quantity	Quantity of the drug available at the pharmacy	INT	No	No	No	None
Pharmacy_Drug_Listing	price	Price of the drug at the pharmacy	DECIMAL(10,2)	No	No	No	None
Pharmacy_Drug_Listing	expiration_date	Expiration date of the drug listed in the pharmacy	DATE	No	No	No	None
Order	prescription_id	Unique ID for each prescription	INT	No	No	No	None
Order	drug_id	ID of the drug listed in the pharmacy	INT	No	No	No	None
Order	duration	Duration for which the drug should be taken	INT	No	No	No	None
Order	frequency	Frequency with which the drug should be taken	INT	No	No	No	None