

hospital_db1 tables

Hospitals table

Field	Data type	Key	Constraint
hospital_id	INT	PRIMARY KEY	UNSIGNED NOT NULL AUTO_INCREMENT
hospital_name	VARCHAR(200)		NOT NULL
hospital_address	VARCHAR(255)		NOT NULL
hospital_size	INT		UNSIGNED NOT NULL
hospital_type	VARCHAR(50)		NOT NULL
accreditation_status	VARCHAR(30)		NOT NULL

Doctors table

Field	Data Type	Key	Constraint
doctor_id	INT	PRIMARY KEY	UNSIGNED NOT NULL AUTO_INCREMENT
doctor_name	VARCHAR(200)		NOT NULL
doctor_dob	DATE		NOT NULL
doctor_address	VARCHAR(255)		NOT NULL
doctor_role	VARCHAR(30)		NOT NULL
hospital_id	INT	FOREIGN KEY (hospital_id) REFERENCES Hospitals(hospital_id)	UNSIGNED NOT NULL

Patients table

Field	Data Type	Key	Constraint
patient_id	INT	PRIMARY KEY	UNSIGNED NOT NULL AUTO_INCREMENT
patient_name	VARCHAR(200)		NOT NULL
patient_dob	DATE		NOT NULL
patient_address	VARCHAR(255)		NOT NULL
patient_role	VARCHAR(30)		NOT NULL
doctor_id	INT	FOREIGN KEY (doctor_id) REFERENCES Doctors(doctor_id)	UNSIGNED NOT NULL,

Prescriptions table

Field	Data Type	Key	Constraint
prescription_id	INT	PRIMARY KEY	UNSIGNED NOT NULL AUTO_INCREMENT
patient_id	INT	FOREIGN KEY (patient_id) REFERENCES Patients(patient_id)	UNSIGNED NOT NULL
doctor_id	INT	FOREIGN KEY (doctor_id) REFERENCES Doctors(doctor_id)	UNSIGNED NOT NULL
medication	VARCHAR(200)		NOT NULL
prescription_date	DATE		NOT NULL

GitHub Repository

LINK: <https://github.com/marziasev/assessment1>

References

marziasev (2025) *assessment1*. GitHub. Available at:

<https://github.com/marziasev/assessment1> (Accessed: 9 October 2025)

Mysql.com. (2024). *MySQL : MySQL 8.4 Reference Manual 15.1.20 CREATE TABLE Statement*. Available at: <https://dev.mysql.com/doc/refman/8.4/en/create-table.html> (Accessed: 9 October 2025)