**SQL QUERIES**

-- 1. Mediators Table

CREATE TABLE Mediators (

mediator\_id SERIAL PRIMARY KEY,

name VARCHAR(100) NOT NULL,

years\_of\_experience INT NOT NULL,

total\_cases INT DEFAULT 0,

successful\_cases INT DEFAULT 0,

availability\_status BOOLEAN DEFAULT TRUE,

rating DECIMAL(3,2)

);

-- 2. Users Table

CREATE TABLE Users (

user\_id SERIAL PRIMARY KEY,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

phone VARCHAR(15),

location VARCHAR(100),

password VARCHAR(255) NOT NULL

);

-- 3. Cases Table

CREATE TABLE Cases (

case\_id SERIAL PRIMARY KEY,

case\_type VARCHAR(50) NOT NULL,

description TEXT,

status VARCHAR(20) DEFAULT 'Open',

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

resolved\_at TIMESTAMP,

mediator\_id INT REFERENCES Mediators(mediator\_id) ON DELETE SET NULL,

party1\_id INT REFERENCES Users(user\_id) ON DELETE CASCADE,

party2\_id INT REFERENCES Users(user\_id) ON DELETE CASCADE

);

-- 4. Case Allotment Table

CREATE TABLE CaseAllotment (

allotment\_id SERIAL PRIMARY KEY,

case\_id INT REFERENCES Cases(case\_id) ON DELETE CASCADE,

mediator\_id INT REFERENCES Mediators(mediator\_id) ON DELETE CASCADE,

allotment\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

status VARCHAR(20) DEFAULT 'Assigned'

);

-- 5. Feedback Table

CREATE TABLE Feedback (

feedback\_id SERIAL PRIMARY KEY,

mediator\_id INT REFERENCES Mediators(mediator\_id) ON DELETE CASCADE,

user\_id INT REFERENCES Users(user\_id) ON DELETE CASCADE,

rating INT CHECK (rating BETWEEN 1 AND 5),

comments TEXT

);

-- 6. Chatbot Logs Table

CREATE TABLE ChatbotLogs (

chat\_id SERIAL PRIMARY KEY,

case\_id INT REFERENCES Cases(case\_id) ON DELETE CASCADE,

conversation\_text TEXT NOT NULL,

timestamp TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

-- 7. Case Parties Table

CREATE TABLE CaseParties (

casepart\_id SERIAL PRIMARY KEY,

case\_id INT REFERENCES Cases(case\_id) ON DELETE CASCADE,

user\_id INT REFERENCES Users(user\_id) ON DELETE CASCADE,

role VARCHAR(50) NOT NULL

);

-- 8. Party Table (External parties, may not be registered users)

CREATE TABLE Party (

party\_id SERIAL PRIMARY KEY,

user\_id INT REFERENCES Users(user\_id) ON DELETE SET NULL,

name VARCHAR(100) NOT NULL,

email VARCHAR(100),

phone VARCHAR(15),

is\_registered BOOLEAN DEFAULT FALSE

);