









* users Table – Login & Role Management

CREATE TABLE users (

id INT PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(100),

email VARCHAR(100) UNIQUE,

password\_hash VARCHAR(255),

phone VARCHAR(15),

flat\_number VARCHAR(10),

role ENUM('resident', 'committee', 'security', 'admin') DEFAULT 'resident',

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

* notices Table – Notice Board

CREATE TABLE notices (

id INT PRIMARY KEY AUTO\_INCREMENT,

title VARCHAR(150),

content TEXT,

created\_at DATE,

created\_by INT,

FOREIGN KEY (created\_by) REFERENCES users(id)

);

* **events Table – Event Announcements**

CREATE TABLE events (

id INT PRIMARY KEY AUTO\_INCREMENT,

title VARCHAR(150),

description TEXT,

event\_date DATE,

created\_by INT,

FOREIGN KEY (created\_by) REFERENCES users(id)

);

* **complaints Table – Grievance Management**

CREATE TABLE complaints (

id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT,

title VARCHAR(100),

description TEXT,

status ENUM('pending', 'resolved') DEFAULT 'pending',

submitted\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES users(id)

);

* **feedback Table – Feedback Form**

CREATE TABLE feedback (

id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT,

feedback TEXT,

rating INT CHECK (rating BETWEEN 1 AND 5),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES users(id)

);

* **visitors Table – Visitor Management**

CREATE TABLE visitors (

id INT PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(100),

flat\_number VARCHAR(10),

purpose VARCHAR(100),

entry\_time TIMESTAMP,

exit\_time TIMESTAMP NULL,

entered\_by INT,

FOREIGN KEY (entered\_by) REFERENCES users(id)

);

* **vehicle\_logs Table – Vehicle Entry/Exit**

CREATE TABLE vehicle\_logs (

id INT PRIMARY KEY AUTO\_INCREMENT,

vehicle\_number VARCHAR(20),

owner\_name VARCHAR(100),

entry\_time TIMESTAMP,

exit\_time TIMESTAMP NULL,

logged\_by INT,

FOREIGN KEY (logged\_by) REFERENCES users(id)

);

* **emergency\_contacts Table**

CREATE TABLE emergency\_contacts (

id INT PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(100),

contact\_number VARCHAR(15),

type ENUM('fire', 'ambulance', 'police', 'maintenance')

);

* **maintenance\_payments Table – Billing**

CREATE TABLE maintenance\_payments (

id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT,

amount DECIMAL(10, 2),

paid\_on DATE,

method ENUM('UPI', 'Card', 'Cash'),

receipt\_url VARCHAR(255),

FOREIGN KEY (user\_id) REFERENCES users(id)

);

* **invoices Table – Receipts**

CREATE TABLE invoices (

id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT,

invoice\_date DATE,

amount DECIMAL(10,2),

status ENUM('paid', 'unpaid'),

download\_link VARCHAR(255),

FOREIGN KEY (user\_id) REFERENCES users(id)

);

* **amenities\_bookings Table**

CREATE TABLE amenities\_bookings (

id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT,

amenity ENUM('gym', 'clubhouse', 'garden'),

booking\_date DATE,

slot\_time VARCHAR(20),

status ENUM('pending', 'approved', 'rejected') DEFAULT 'pending',

FOREIGN KEY (user\_id) REFERENCES users(id)

);

* **deliveries Table – Package Notifications**

CREATE TABLE deliveries (

id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT,

package\_details TEXT,

received\_on TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

collected\_on TIMESTAMP NULL,

FOREIGN KEY (user\_id) REFERENCES users(id)

);

* **gate\_passes Table – Gate Pass Management**

CREATE TABLE gate\_passes (

id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT,

reason TEXT,

request\_time TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

status ENUM('pending', 'approved', 'rejected') DEFAULT 'pending',

FOREIGN KEY (user\_id) REFERENCES users(id)

);

* **dashboard\_stats View (optional)**

CREATE VIEW dashboard\_stats AS

SELECT

(SELECT COUNT(\*) FROM users WHERE role = 'resident') AS total\_residents,

(SELECT COUNT(\*) FROM complaints WHERE status = 'pending') AS pending\_complaints,

(SELECT COUNT(\*) FROM maintenance\_payments) AS total\_payments;