**טבלת employees:**

use ecofriendly;

CREATE TABLE employees (

identity VARCHAR(20) PRIMARY KEY UNIQUE NOT NULL,

name VARCHAR(100) NOT NULL,

phone VARCHAR(15),

location VARCHAR(100),

joining\_date DATE,

worker\_type ENUM('Driver', 'Cleaner', 'Maintenance Worker') default NULL,

role enum('manager','worker') not null,

hashed\_password VARCHAR(256) NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

**:vehicles טבלת**

use ecofriendly;

CREATE TABLE vehicles (

licensePlate VARCHAR(10) PRIMARY KEY,

type VARCHAR(50) NOT NULL,

status VARCHAR(50) NOT NULL,

location VARCHAR(100) NOT NULL,

lastMaintenance DATE NOT NULL

);

INSERT INTO vehicles (licensePlate, type, status, location, lastMaintenance)

VALUES

('123ABC', 'Garbage Truck', 'Available', 'Depot 1', '2024-12-15'),

('456DEF', 'Van', 'In Use', 'City Center', '2025-03-10'),

('789GHI', 'Recycling Truck', 'Under Maintenance', 'Garage 2', '2025-01-20');

**:bins טבלת**

use ecofriendly;

CREATE TABLE bins (

binId VARCHAR(50) PRIMARY KEY,

location VARCHAR(100) NOT NULL,

address VARCHAR(255) NOT NULL,

status ENUM('Full', 'Mid', 'Empty') NOT NULL DEFAULT 'Empty',

lat FLOAT NOT NULL DEFAULT 0,

lon FLOAT NOT NULL DEFAULT 0,

capacity FLOAT NOT NULL DEFAULT 0;

);

**:shifts טבלת**

use ecofriendly;

CREATE TABLE shifts (

shift\_id VARCHAR(20) NOT NULL PRIMARY KEY,

worker\_id VARCHAR(20) NOT NULL,

worker\_name VARCHAR(100) NOT NULL,

worker\_type VARCHAR(50) NOT NULL,

date DATE NOT NULL,

start\_time TIME NOT NULL,

end\_time TIME NOT NULL,

location VARCHAR(100) NOT NULL,

FOREIGN KEY (worker\_id) REFERENCES employees (identity)

);

INSERT INTO shifts (shift\_id, worker\_id, worker\_name, worker\_type, date, start\_time, end\_time, location)

VALUES ('98765','5342432','fofo','Cleaner','2025-05-28','08:00:00','16:00:00','Nazerth');

**:shift\_proposals טבלת**

use ecofriendly;

CREATE TABLE shift\_proposals (

id VARCHAR(20) PRIMARY KEY,

worker\_id VARCHAR(20) NOT NULL,

worker\_name VARCHAR(100) NOT NULL,

worker\_type VARCHAR(50) NOT NULL,

date DATE NOT NULL,

start\_time TIME NOT NULL,

end\_time TIME NOT NULL,

location VARCHAR(100) NOT NULL,

status VARCHAR(20) NOT NULL DEFAULT 'pending',

submitted\_at DATE NOT NULL,

FOREIGN KEY (worker\_id) REFERENCES employees(identity)

);

**:payments טבלת**

use ecofriendly;

CREATE TABLE payments (

payment\_id VARCHAR(20) PRIMARY KEY,

worker\_id VARCHAR(20) NOT NULL,

worker\_name VARCHAR(100) NOT NULL,

amount FLOAT NOT NULL,

payment\_date DATE NOT NULL,

status VARCHAR(20) NOT NULL DEFAULT 'Pending',

notes VARCHAR(255),

FOREIGN KEY (worker\_id) REFERENCES employees(identity)

);

**טבלת hardware :**

CREATE TABLE hardware (

id varchar(50) NOT NULL,

binId varchar(50) DEFAULT NULL,

status enum('Operational','Needs Maintenance') NOT NULL DEFAULT 'Operational',

battery float NOT NULL DEFAULT '100',

lastChecked varchar(50) NOT NULL,

PRIMARY KEY (id)

);