**DATABASE LA APPEL EventManagementDB**

-- Create table for Event

-- CREATE TABLE Event (

-- event\_id SERIAL PRIMARY KEY,

-- event\_name VARCHAR(255) NOT NULL,

-- event\_description TEXT,

-- start\_time TIMESTAMP,

-- end\_time TIMESTAMP

-- );

-- Create table for Task

-- CREATE TABLE Task (

-- task\_id SERIAL PRIMARY KEY,

-- task\_description TEXT NOT NULL,

-- deadline TIMESTAMP,

-- status VARCHAR(50),

-- event\_id INT,

-- CONSTRAINT fk\_event

-- FOREIGN KEY(event\_id)

-- REFERENCES Event(event\_id)

-- ON DELETE CASCADE

-- );

-- -- Create table for Budget

-- CREATE TABLE Budget (

-- budget\_id SERIAL PRIMARY KEY,

-- amount DECIMAL(10, 2) NOT NULL,

-- event\_id INT,

-- CONSTRAINT fk\_event\_budget

-- FOREIGN KEY(event\_id)

-- REFERENCES Event(event\_id)

-- ON DELETE CASCADE

-- );

-- -- Create table for Expense

-- CREATE TABLE Expense (

-- expense\_id SERIAL PRIMARY KEY,

-- expense\_name VARCHAR(255) NOT NULL,

-- amount DECIMAL(10, 2) NOT NULL,

-- budget\_id INT,

-- CONSTRAINT fk\_budget

-- FOREIGN KEY(budget\_id)

-- REFERENCES Budget(budget\_id)

-- ON DELETE CASCADE

-- );

-- -- -- Create table for Client

-- CREATE TABLE Client (

-- client\_id SERIAL PRIMARY KEY,

-- name VARCHAR(255) NOT NULL,

-- contract\_number VARCHAR(100) UNIQUE

-- );

-- -- Create table for Vendor

-- CREATE TABLE Vendor (

-- vendor\_id SERIAL PRIMARY KEY,

-- vendor\_name VARCHAR(255) NOT NULL,

-- contact\_number VARCHAR(100) UNIQUE

-- );

-- -- Create table for Contract

-- CREATE TABLE Contract (

-- contract\_id SERIAL PRIMARY KEY,

-- contract\_description TEXT NOT NULL,

-- vendor\_id INT,

-- CONSTRAINT fk\_vendor

-- FOREIGN KEY(vendor\_id)

-- REFERENCES Vendor(vendor\_id)

-- ON DELETE CASCADE

-- );

-- -- Create table for Payment

-- CREATE TABLE Payment (

-- payment\_id SERIAL PRIMARY KEY,

-- amount DECIMAL(10, 2) NOT NULL,

-- contract\_id INT,

-- vendor\_id INT,

-- CONSTRAINT fk\_contract

-- FOREIGN KEY(contract\_id)

-- REFERENCES Contract(contract\_id)

-- ON DELETE CASCADE,

-- CONSTRAINT fk\_vendor\_payment

-- FOREIGN KEY(vendor\_id)

-- REFERENCES Vendor(vendor\_id)

-- ON DELETE CASCADE

-- );

-- -- Create table to link Event and Client (many-to-many relationship)

-- CREATE TABLE EventClient (

-- event\_id INT,

-- client\_id INT,

-- PRIMARY KEY (event\_id, client\_id),

-- CONSTRAINT fk\_event\_client

-- FOREIGN KEY(event\_id)

-- REFERENCES Event(event\_id)

-- ON DELETE CASCADE,

-- CONSTRAINT fk\_client\_event

-- FOREIGN KEY(client\_id)

-- REFERENCES Client(client\_id)

-- ON DELETE CASCADE

-- );