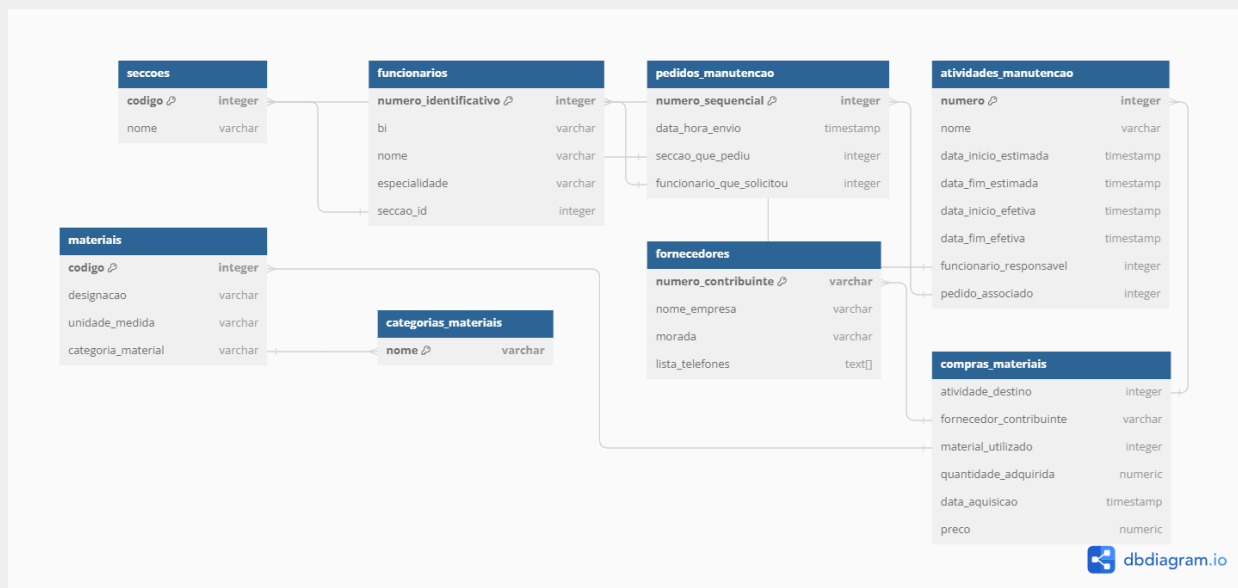# Avaliação - Módulo Bases de Dados - Upskill JavaDotnet-v2 - 2024

Tiago Barracha

Resolução
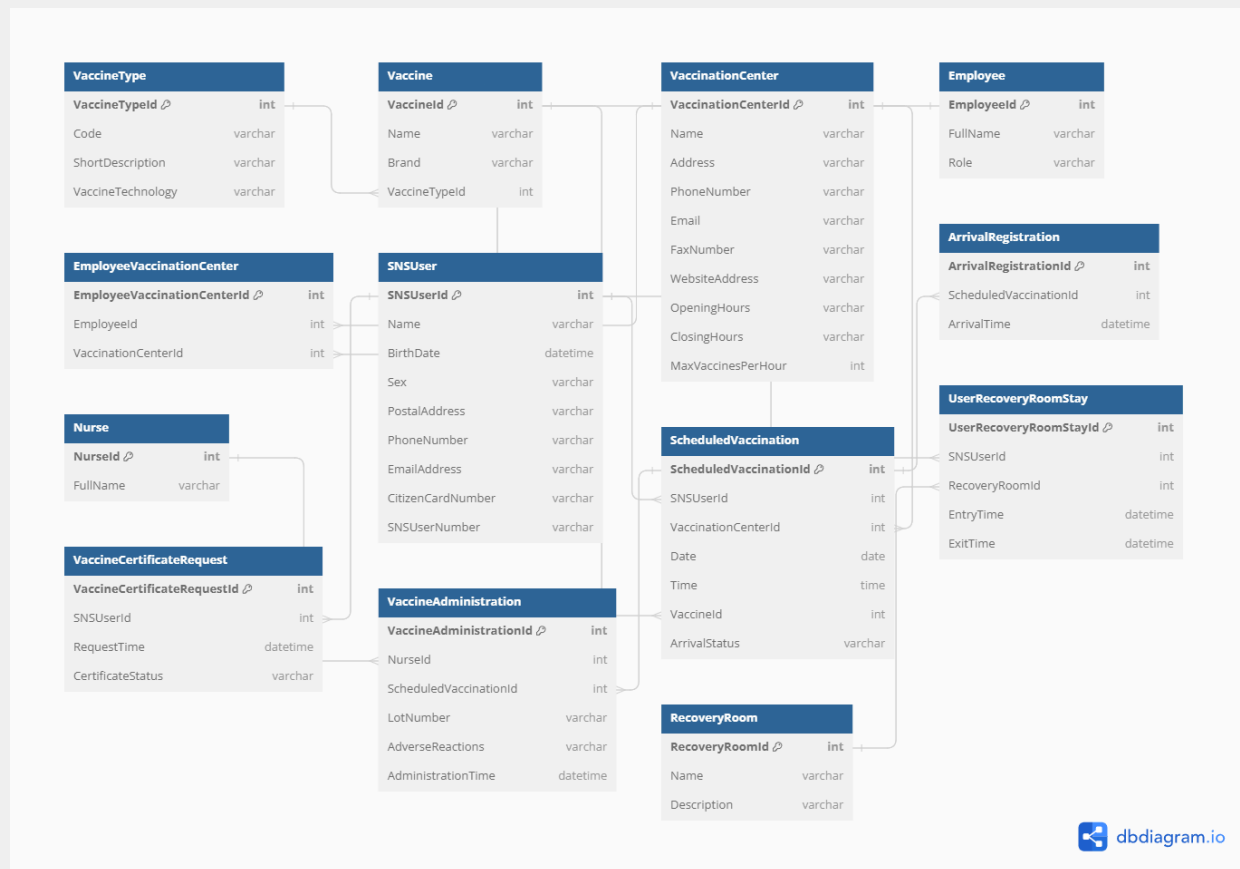
a) base de dados para gerir as atividades de manutenção de uma empresa.

Link:
https://dbdiagram.io/d/65b0bedeac844320ae992a56

c) Projeto SNS - Modelo Físico

Link:
https://dbdiagram.io/d/65b0bedeac844320ae992a56

d) Projeto SNS - Implementar um caso de uso usando persistência em base de dados. (desconsiderar os casos de uso que já são dados como exemplo na framework disponibilizada)

Uso de caso escolhido:

- US014 - As administrator, I want to register an employee. [**Priority**: Low]

- US015 - As administrator, I want to get a list of employees with a given function/role. [**Priority**: Medium]

Uso de caso aplicado com projecto git pda-base - branch pds-base.

Base Project Link: https://github.com/nc18961a/pds-base/tree/pds-base-simpleDB

PDA project Link: https://github.com/tbarracha/upskill-pds-software-development-project-Tiago
DB Project Link: https://github.com/tbarracha/Upskill-pda-SNS-sqlDatabaseConnection

SQL code to test implementation:

```sql
CREATE TABLE Facility (
    id INT PRIMARY KEY,
    name VARCHAR2(255),
    address_streetname VARCHAR2(255),
    address_postalcode VARCHAR2(255),
    address_cityname VARCHAR2(255),
    phone VARCHAR2(255),
    email VARCHAR2(255),
    fax VARCHAR2(255),
    website VARCHAR2(255),
    maxvaccinesperhour NUMBER
);

CREATE TABLE Employee (
    id INT,
    email VARCHAR(255) PRIMARY KEY NOT NULL,
    name VARCHAR(255),
    position VARCHAR(255),
    phone VARCHAR(255)
);


DROP TABLE Facility;
DROP TABLE Employee;

SELECT * FROM Facility;
SELECT * FROM Employee;
```