Contact Tracing Relational Schema

Contact (ContactId, FirstName, LastName, DOB, Sex, Ethnicity, AddressId, PhoneNumber, Email, PreferredContact, EmployeeId, Consent, Confidential, ReferringContact, ExposureStartDate, ExposureEndDate, ExposureDetails, ExposureId)

ContactTravel (TravelId, ContactId, AddressId, Name, StartDateTime, EndDateTime, Notified, Type)

ContactSymptoms (ContactId, Date, SymptomId)

Symptom (SymptomId, Symptom)

ContactStatus (ContactStatusId, ContactId, StatusId, EmployeeId, Date, SelfQuarantined)

Status (StatusId, Description)

Exposure (ExposureId, Level, Description)

Employee (EmployeeId, FirstName, LastName, PhoneNumber, Email, Title, OfficeId)

Office (OfficeId, Name, AddressId, PhoneNumber)

TestingCenter (TestCenterId, Name, AddressId, PhoneNumber, LicenceNumber)

Test (TestId, TestCenterId, TesterId, Date, Result)

Interview (InterviewId, EmployeeId, ContactId, OfficeId, InterviewType, DateTime, PatientPresent, InterviewNotes)

Address (AddressId, Street, City, State, Zipcode, Country)

Services (ServiceId, Name, Type, URL, PhoneNumber, AddressId)

Essentials (ItemId INT, Name, ServiceId INT, Quantity)

Resources - (ResourceId, Type , URL)

Status Options- Triaged, Assigned, Notified, InterviewScheduled, Interviewed, TestScheduled, PendingTestResults, PositiveTest, NegativeTest, ReferredToSupportServices, ReferredToMedicalProvider, Closed, DoNotContact

Symptom Options - Fever, Shortness of Breath, Dry Cough, runny nose, loss of sense of smell, sore throat, chills, shaking with chills, muscle pain, headache

Exposure Options - Very Low, Low, Moderate, High, Very High