**Database Schema:**

***Client Subschema***

***Client****({TaxID, RegNmbr, ClientName, StreetAndNmbr, City, ZIP, Country, IsActive, Email}, {TaxID})*

***ContactPerson****({ContactName, Description, PhoneNmbr, PersonEmail, TaxID}, {TaxID, ContactName})*

***Work Order Subschema***

***LoadingItem****({LoadingID, Firm, LoadingDate, LoadingAdress, Goods, Customs, ForwAgency, Border,Note WorkOrderID},{LoadingID})*

***UnloadingItem****({UnloadingID, Firm, UnloadingDate, UnloadingAdress, Customs, ForwAgency,Note, WorkOrderID},{UnloadingID})*

***WorkOrder****({OrderID, OrderDate, Amount, DueDate, Note, ClientID},{OrderID})*

***Incoming Invoice Subschema***

***IncomingInvoice****({IncInvID, IncInvNmbr, Amount, Description, TransactionDate, IssueDate, DueDate, DocumentStatus, PaymentStatus, ProcessingStatus, TaxID, Attachment, OrderID}, {IncInvID})*

***Outgoing Invoice Subschema***

***OutgoingInvoice****({InvoiceID, OutInvoiceNmbr, Currency, ReferenceNmbr, OrderNmbr, TransDate, IssueDate, DueDate, Attachment, Note, DocumentStatus, ProcessingStatus, PaymentStatus, TaxID}, {InvoiceID})*

***Item****({InvoiceID, ServiceID, Discount, VATCode, VATExamptionCode}, {InvoiceID, ServiceID})*

***Service****({ServiceID, ServiceType}, {ServiceID})*

***TransportationService****{(ServiceID, Route, Price, TruckID, TrailerID),(ServiceID)}* ***OutsorcingService****{(ServiceID, Amount, Description, IncInvNmbr),(ServiceID)}*

***TaxService****{(ServiceID, Name, Price),(ServiceID)}*

***VATCodeList****({VATCode, VATPercentage}, {VATCode})*

***VATExamptionReason****({VATCode, VATExamptionCode}, {VATCode, VATExamptionCode})*

***DocumentStatusList****({DStatusID, DStatusName},{DStatusID})*

***ProcessingStatusList****({ProcessingStatusID, ProcessingStatusName}, {ProcessingStatusID})*

***PaymentStatusList****({PaymentStatusID, PaymentStatusName}, {PaymentStatusID})*

**Emplopyee Subschema**

***Employee****({EmplID, EmplType, FirstName, LastName, Status, StreetAndNmbr, City, ZIPCode, Country, PhoneNmbr, EmailAddress, IDCardNmbr, PassportNmbr, MgrID}, {EmplID})*

***EmployeeOrder****({EmplID, OrderID},{EmplID, OrderID})*

***EmployeeCar****({EmplID, CarID},{EmplID, CarID})*

***DriverComposition****({DriverID, TruckID, TrailerID},{DriverID, TruckID, TrailerID})*

**Vehicle Subschema**

***Truck****({TruckID, Make, Model, RegistrationTag,Status}, {TruckID})*

***Trailer****({TrailerID, Make, Model, RegistrationTag, Status}, {TrailerID})*

***Car****({CarID, Make, Model, RegistrationTag, Status}, {CarID})*

***Composition****({TruckID, TrailerID}, {TruckID, TrailerID})*

**Pay Slip Subschema**

***PaySlipRSD****({PaySlipID, IssueDate, EmplID}, {PaySlipID})*

***PaySlipItemRSD****({OrderNmbr, Date, AllowanceRSD, ExpenseRSD, PaySlipID}, {OrderNmbr})*

***PaySlipEUR****({PaySlipID, IssueDate, EmplID}, {PaySlipID})*

***PaySlipItemEUR****({OrderNmbr, Date, AllowanceRSD, ExpenseRSD, PaySlipID}, {OrderNmbr})*

**Payment Subschema**

***PaymentRSD****({TransactionID, AmountRSD, Date, EmplID}, {TransactionID})*

***PaymentEUR****({TransactionID, AmountEUR, Date, EmplID}, {TransactionID})*

**Inspection Subschema**

***Inspection****({InspectionID, Name, InspectionType}, {InspectionID})*

***EmployeeInspection****({EmployeeID, InspectionID, Date}, {EmployeeID, InspectionID})*

***TruckInspection****({InspectionID, TruckID, Date}, {InspectionID, TruckID})*

***TrailerInspection****({InspectionID, TrailerID, Date},{InspectionID, TrailerID})*

***CarInspection****({InspectionID, CarID, Date},{InspectionID, CarID})*

**Referential integritites:**

**ContactPerson**[*TaxID*] ⊆ **Client**[*TaxID*]

**IncomingInvoice**[*PaymentStatu*s] ⊆ **PaymentStatusList**[*PaymentStatusID*]

**IncomingInvoice**[*ProcessingStatus*] ⊆ **ProcessingStatusList**[*ProcessingStatusID*]

**IncomingInvoice**[*DStatusID*] ⊆ **DocumentStatusList**[*DStatusID*]

**IncomingInvoice**[*TaxID*] ⊆ **Client**[*TaxID*]

**IncomingInvoice**[*OrderID*] ⊆ **WorkOrder**[*OrderID*]

**LoadingItem**[OrderID] ⊆ **WorkOrder**[*OrderID*]

**UnloadingItem**[OrderID] ⊆ **WorkOrder**[*OrderID*]

**OutgoingInvoice**[*DStatusID*] ⊆ **DocumentStatusList**[*DtStatusID*]

**OutgoingInvoice**[*PaymentStatus*] ⊆ **PaymentStatusList**[*PaymentStatusID*]

**OutgoingInvoice**[*ProcessingStatus*] ⊆ **ProcessingStatusList**[*ProcessingStatusID*]

**OutgoingInvoice**[*TaxID*] ⊆ **Client**[*TaxID*]

**Employee**[*MgrID*] ⊆ **Employee**[*EmplID*]

**Vehicle**[*EmplID*] ⊆ **Employee**[*EmplID*]

**Truck**[*TruckID*] ⊆ **Vehicle**[*VehicleID*]

**Trailer**[*TrailerID*] ⊆ **Vehicle**[*VehicleID*]

**Composition**[*TruckID*] ⊆ **Truck**[*TruckID*]

**Composition**[*TrailerID*] ⊆ **Trailer**[*TrailerID*]

**DriverComposition**[*TruckID*] ⊆ **Truck**[*TruckID*]

**DriverComposition**[*TrailerID*] ⊆ **Trailer**[*TrailerID*]

**DriverComposition**[EmplID]⊆ **Employee**[EmplID]

**VATExamptionReason**[*VATCode*] ⊆ **VATCodeList**[*VATCode*]

**Service**[*TruckID*] ⊆ **Composition**[*TruckID*]

**Service**[*TrailerID*] ⊆ **Composition**[*TrailerID*]

**Item**[*VATCode*] ⊆ **VATExamptionReason**[*VATCode*]

**Item**[*VATExamptionCode*] ⊆ **VATExamptionReason**[*VATExamptionCode*]

**TravelExpensesRSD**[*EmplID*] ⊆ **Employee**[*EmplID*]

**TravelExpensesEUR**[*EmplID*] ⊆ **Employee**[*EmplID*]

**WithdrawalRSD**[*EmplID*] ⊆ **Employee**[*EmplID*]

**WithdrawalEUR**[*EmplID*] ⊆ **Employee**[*EmplID*]

**EmployeeInspection**[*EmployeeID*] ⊆ **Employee**[*EmplID*]

**EmployeeInspection**[*InspectionID*] ⊆ **Inspection**[*InspectionID*]

**TruckInspection**[*VehicleID*] ⊆ **Truck**[*TruckID*]

**TruckInspection**[*InspectioID*] ⊆ **Inspection**[*InspectionID*]

**TrailerInspection**[*TrailerID*] ⊆ **Trailer**[*TrailerID*]

**TrailerInspection**[*InspectioID*] ⊆ **Inspection**[*InspectionID*]

**CarInspection**[*CarID*] ⊆ **Truck**[*CarID*]

**CarInspection**[*InspectioID*] ⊆ **Inspection**[*InspectionID*]