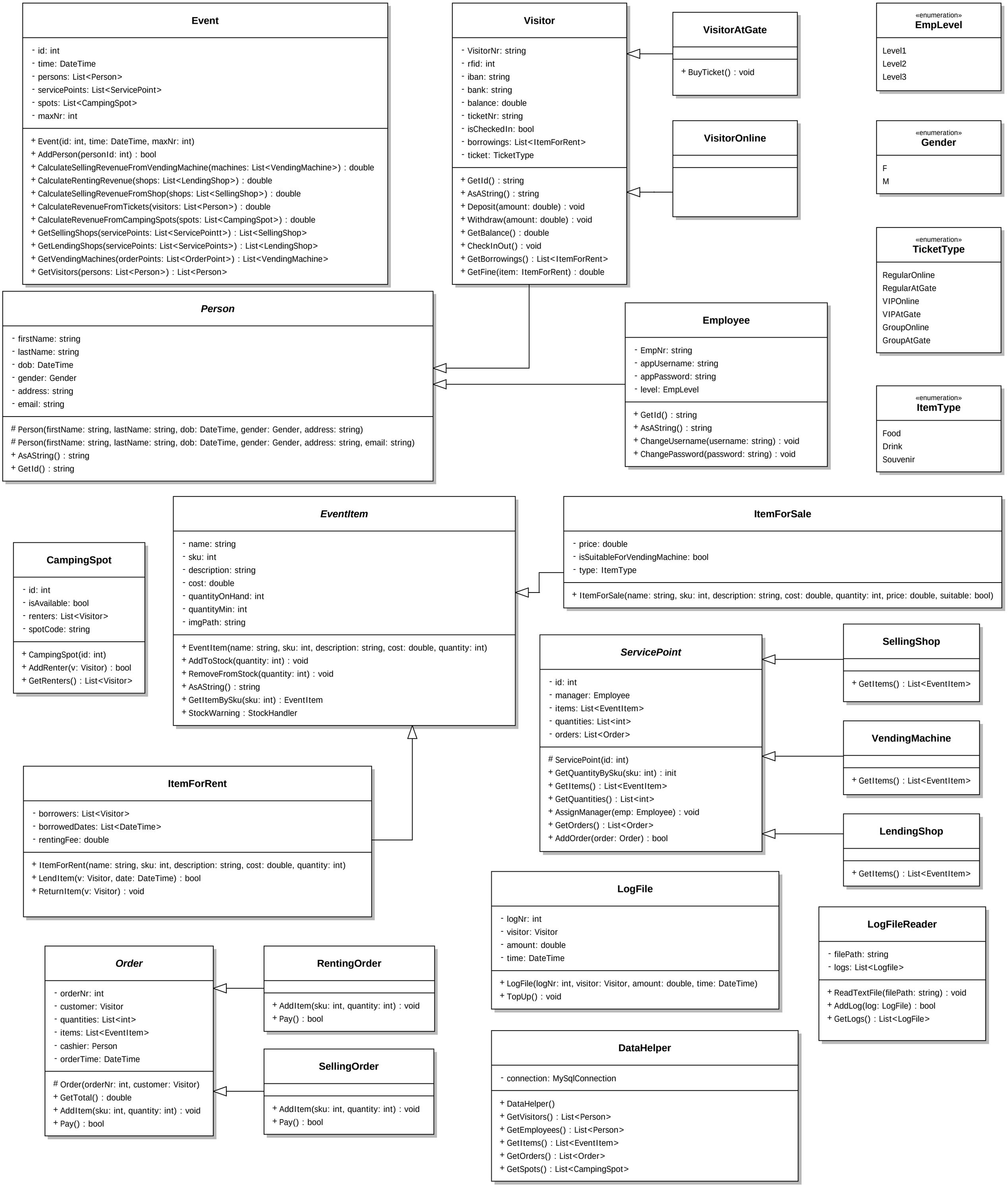
Event
- id: int
- time: DateTime
- persons: List<Person>
- servicePoints: List<ServicePoint>
- spots: List<CampingSpot>
- maxNr: int
+ Event(id: int, time: DateTime, maxNr: int)
+ AddPerson(personId: int) : bool
+ CalculateSellingRevenueFromVendingMachine(machines: List<VendingMachine>) : double
+ CalculateRentingRevenue(shops: List<LendingShop>) : double
+ CalculateSellingRevenueFromShop(shops: List<SellingShop>) : double
+ CalculateRevenueFromTickets(visitors: List<Person>) : double
+ CalculateRevenueFromCampingSpots(spots: List<CampingSpot>) : double
+ GetSellingShops(servicePoints: List<ServicePointt>) : List<SellingShop>
+ GetLendingShops(servicePoints: List<ServicePoints>) : List<LendingShop>
+ GetVendingMachines(orderPoints: List<OrderPoint>) : List<VendingMachine>
+ GetVisitors(persons: List<Person>) : List<Person>
Visitor
- VisitorNr: string
- rfid: int
- iban: string
- bank: string
- balance: double
- ticketNr: string
- isCheckedIn: bool
- borrowings: List<ItemForRent>
- ticket: TicketType
+ GetId() : string
+ AsAString() : string
+ Deposit(amount: double) : void
+ Withdraw(amount: double) : void
+ GetBalance() : double
+ CheckInOut() : void
+ GetBorrowings() : List<ItemForRent>
+ GetFine(item: ItemForRent) : double
VisitorAtGate
+ BuyTicket() : void
VisitorOnline
«enumeration»
EmpLevel
Level1
Level2
Level3
«enumeration»
Gender
F
M
«enumeration»
TicketType
RegularOnline
RegularAtGate
VIPOnline
VIPAtGate
GroupOnline
GroupAtGate
«enumeration»
ItemType
Food
Drink
Souvenir
Person
- firstName: string
- lastName: string
- dob: DateTime
- gender: Gender
- address: string
- email: string
Person(firstName: string, lastName: string, dob: DateTime, gender: Gender, address: string)
Person(firstName: string, lastName: string, dob: DateTime, gender: Gender, address: string, email: string)
+ AsAString() : string
+ GetId() : string
Employee
- EmpNr: string
- appUsername: string
- appPassword: string
- level: EmpLevel
+ GetId() : string
+ AsAString() : string
+ ChangeUsername(username: string) : void
+ ChangePassword(password: string) : void
CampingSpot
- id: int
- isAvailable: bool
- renters: List<Visitor>
- spotCode: string
+ CampingSpot(id: int)
+ AddRenter(v: Visitor) : bool
+ GetRenters() : List<Visitor>
EventItem
- name: string
- sku: int
- description: string
- cost: double
- quantityOnHand: int
- quantityMin: int
- imgPath: string
+ EventItem(name: string, sku: int, description: string, cost: double, quantity: int)
+ AddToStock(quantity: int) : void
+ RemoveFromStock(quantity: int) : void
+ AsAString() : string
+ GetItemBySku(sku: int) : EventItem
+ StockWarning : StockHandler
ItemForSale
- price: double
- isSuitableForVendingMachine: bool
- type: ItemType
+ ItemForSale(name: string, sku: int, description: string, cost: double, quantity: int, price: double, suitable: bool)
ServicePoint
- id: int
- manager: Employee
- items: List<EventItem>
- quantities: List<int>
- orders: List<Order>
ServicePoint(id: int)
+ GetQuantityBySku(sku: int) : init
+ GetItems() : List<EventItem>
+ GetQuantities() : List<int>
+ AssignManager(emp: Employee) : void
+ GetOrders() : List<Order>
+ AddOrder(order: Order) : bool
SellingShop
+ GetItems() : List<EventItem>
VendingMachine
+ GetItems() : List<EventItem>
LendingShop
+ GetItems() : List<EventItem>
ItemForRent
- borrowers: List<Visitor>
- borrowedDates: List<DateTime>
- rentingFee: double
+ ItemForRent(name: string, sku: int, description: string, cost: double, quantity: int)
+ LendItem(v: Visitor, date: DateTime) : bool
+ ReturnItem(v: Visitor) : void
LogFile
- logNr: int
- visitor: Visitor
- amount: double
- time: DateTime
+ LogFile(logNr: int, visitor: Visitor, amount: double, time: DateTime)
+ TopUp() : void
LogFileReader
- filePath: string
- logs: List<Logfile>
+ ReadTextFile(filePath: string) : void
+ AddLog(log: LogFile) : bool
+ GetLogs() : List<LogFile>
Order
- orderNr: int
- customer: Visitor
- quantities: List<int>
- items: List<EventItem>
- cashier: Person
- orderTime: DateTime
Order(orderNr: int, customer: Visitor)
+ GetTotal() : double
+ AddItem(sku: int, quantity: int) : void
+ Pay() : bool
RentingOrder
+ AddItem(sku: int, quantity: int) : void
+ Pay() : bool
SellingOrder
+ AddItem(sku: int, quantity: int) : void
+ Pay() : bool
DataHelper
- connection: MySqlConnection
+ DataHelper()
+ GetVisitors() : List<Person>
+ GetEmployees() : List<Person>
+ GetItems() : List<EventItem>
+ GetOrders() : List<Order>
+ GetSpots() : List<CampingSpot>