@startuml

class Parameter {

parameterID: int

name:string

detail: string

productID: int

+ set(): void

+ get(): Parameter

}

class Product {

productID: int

nameCompany:string

listImage: List<string>

listVideo: List<string>

kindID: int

price: string

description: string

listParameter: list<Parameter>

listInnerProp: list<InnerProp>

listKeyword: list<InnerProp>

+ set(): void

+ get(): Product

}

class Kind {

kindID: int

nameCompany:string

image: string

industryID: int

+ set(): void

+ get(): Kind

}

class Industry {

industryID: int

nameCompany:string

image: string

+ set(): void

+ get(): Industry

}

class InnerProp {

propID: int

name: string

listValue: list<string>

+ set(): void

+ get(): InnerProp

}

class BusinessStaff {

+ UpdateSellerInfo(SellerInfo):void

+ UpdateOrder(Order):void

+ AddPaymenrUnit():paymentUnit

+ DeletePaymenrUnit(): void

+ AddIndustry(): Industry

+ DeleteIndustry(): void

+ DeleteKind(): void

+ AddKind(): Kind

+ DeleteInnerProp(): void

+ AddInnerProp(): InnerProp

+ AddAdvertising(): Advertising

+ DeleteAdvertising(): void

+ DeleteVoucher(): void

+ DeleteDiscount(): void

+ AddVoucher(): Voucher

+ DeleteDiscount(): Discount

}

class Advertising {

adsID: int

name: string

description: string

productID: int

image: string

video: string

startDate: DateTime

endDate: DateTime

+ set(): void

+ get(): Advertising

}

class Rate {

rateID: int

comment: string

listImage: list<string>

listVideo: list<string>

orderItemID: int

status: enum

+ set(): void

+ get(): Rate

}

class CartItem {

nameProduct: string

price:string

listInnerProp:string

amount:string

+ set(): void

+ get(): CartItem

}

class Wishlist {

productID: int

+ set(): void

+ get(): Wishlist

}

class Record {

recordID: int

idAccount: int

credit: List<long>

debit: List<long>

sumary: long

+ get(): Record

+ set(): void

}

class DeliveryUnit {

id: int

trackingNumber: string

carrier: Carrier

status: DeliveryStatus

orders: Order[]

+ get(): DeliveryUnit

+ set(): void

}

class Customer {

customerID:string

image:string

score: int

isBlacklist:string

+ MakeOrder():Order

+ DeleteOrder():Order

+ Add/deleteBlacklist(): int

+ AddCart():CartItem

+ DeleteCart(): void

+ Rate(): void

+ ConnectUnit(): void

+ AddAddress(): DeliveryAddress

+ DeleteAddress(): void

}

class MessageCustomer {

senderID: int

receiverID: int

+ set(): MesageCustomer

+ get(): Record

}

class MessageStaff {

senderID: int

receiverID: int

+ get(): MessageStaff

+ get(): Record

}

class Message {

message: string

image: string

video: string

time: DateTime

}

class Staff {

staffID: int

}

class Order {

orderID: string

total: long

deliveryAddress: string

deliveryUnit: string

paymentUnit: string

customerID: string

cancelReason string

dateReceive: DateTime

status: enum

+ set(): void

+ get(): Oder

}

class AccountingProfession {

proffID: int

name: string

description: string

happenDate: DateTime

listRecord: list<Record>

+ set(): void

+ get(): AccountingProfession

}

class AccountingStaff {

+ UpdateAccounting(Accounting Profession): void

+ CreateAccounting(): Accounting Profession

+ DeleteAccouting(): void

+ UpdateRecord(Record): void

+ DeleteRecord(): void

+ CreateAccounting(): Record

}

class ReducingPrice {

name: string

percent: int

listIndustryID: int

listKindID: int

listProductID: int

startDate: DateTime

endDate: DateTime

isAll: bool

}

class Voucher {

amount:int

+ get(): Voucher

+ set(): void

}

class Discount {

discountID:int

+ get(): Discount

+ set(): void

}

class HRStaff {

+ Fired(List<Int>): void

+ CreateJD(): JD

+ UpdateJD(JD): void

+ DeleteJD(): void

}

class Manager {

[Override All Above]

}

class JD {

jdID: int

name: string

companyName: string

location: string

position: string

jobRequirement: string

jobDescription: string

startDate: DateTime

endDate: DateTime

+ get(): JD

+ set(): void

}

class Person {

Name: string

phoneNumber: string

email:string

gender:bool

password: string

residentID: string

fullAddress: string

dob: string

}

class OrderItem{

productInfomation: string (JSON)

productID:int

amount: int

orderID:string

+ set(): void

+ get(): OrderItem

}

class DeliveryAddress{

addressID: int

districtID: int

provinceID: int

ward: int

lane: string

nameReicever: string

gender: boool

phoneNumber: string

+ set(): void

+ get(): DeliveryAddress

}

class Province{

provinceID: int

name: string

+ get(): Province

+ set(): void

}

class CustomerPaymentUnit{

paymentID: int

accountNumber: string

name: string

+ get(): CustomerPaymentUnit

+ set(): void

}

class PaymentUnit{

paymentID: int

name: string

isConnect: string

+ get(): PaymentUnit

+ set(): void

}

class SellerInformation{

nameCompany:string

mainImage:string

sellerAddress: List <sellerAddress>

listProductImage: List <string>

video: string

+ get(): SellerInformation

+ set(): void

}

class SellerAddress{

sellerAddressID: int

districtID: int

provinceID: int

ward: int

lane: string

phoneNumber: string

+ get(): SellerAddress

+ set(): void

}

class Ward{

wardID: int

name: string

districtID: int

+ set(): void

+ get(): Ward

}

class District{

districtID: int

name: string

provinceID: int

+ get(): District

+ set(): void

}

class Report {

title: string

data: List[Any]

+ get(): Report

+ set(): void

}

class AccountingBalance {

date: Date

assets: List[AccountingEntry ]

liabilities: List[AccountingEntry ]

equity: List[AccountingEntry ]

+ get(): AccountingBalance

+ set(): void

}

Order"1" \*-- "0...\*" DeliveryUnit: Được vận chuyển

Order"1" \*-- "1...\*" OrderItem: Thuộc

HRStaff "1...\*" -- "0...\*" JD: Tạo/ cập nhật bởi

ReducingPrice <|-- Voucher

ReducingPrice <|-- Discount

AccountingProfession "1" \*-- "0...\*" Record : Thuộc

AccountingProfession "1" -- "\*" Report

AccountingProfession "1" -- "\*" AccountingBalance

AccountingStaff "1...\*" -- "0...\*" ReducingPrice : Tạo/ cập nhật bởi

AccountingStaff "1...\*" -- "0...\*" AccountingProfession : Tạo/ cập nhật bởi

Message <|-- MessageStaff

Message <|-- MessageCustomer

Person <|-- Staff

Person <|-- Customer

Staff <|-- BusinessStaff

Staff <|-- AccountingStaff

Staff <|-- HRStaff

Staff "1" -- "0...\*" Order : Tạo/ cập nhật

Staff "1...\*" -- "0...\*" Message : Tạo/ cập nhật bởi

Manager <|-- HRStaff

Manager <|-- BusinessStaff

Manager <|-- AccountingStaff

Industry \*-- Kind

District "1" -- "0...\*" DeliveryAddress: Ở tại

District "1" -- "0...\*" SellerAddress: Ở tại

District "1" \*-- "0...\*" Ward : Thuộc

Rate \*-- Product

SellerAddress "1" \*-- "1...\*" SellerInformation: Thuộc

Province "1" -- "0...\*" DeliveryAddress: Ở tại

Province "1" \*-- "0...\*" District : Thuộc

Province "1" -- "0...\*" SellerAddress: Ở tại

PaymentUnit "1" -- "0...\*" CustomerPaymentUnit: Liên kết với

Customer "1" \*-- "0...\*" CustomerPaymentUnit: Thuộc

Customer "1" \*-- "0...\*" DeliveryAddress: Tạo/ cập nhật

Customer "1" \*-- "0...\*" Rate : Đánh giá cho

Customer "1" -- "0...\*" OrderItem : Tạo/ cập nhật

Customer "1" -- "0...\*" MessageCustomer : Tạo/ cập nhật bởi

BusinessStaff "1...\*" -- "0...\*" Order: Tạo/ cập nhật

BusinessStaff "1...\*" -- "1" PaymentUnit : Tạo/ cập nhật bởi (bỏ)

BusinessStaff "1...\*" -- "1" SellerInformation: Tạo/ cập nhật bởi

Product "1...\*" -- "0...\*" InnerProp : Gồm

Product "1...\*" -- "1" Industry : Thuộc

Product "1...\*" -- "0...\*" Advertising : Quảng cáo cho

Product \*-- CartItem

Product \*-- Wishlist

Product "1" \*-- "0...\*" Parameter : Thuộc

@enduml