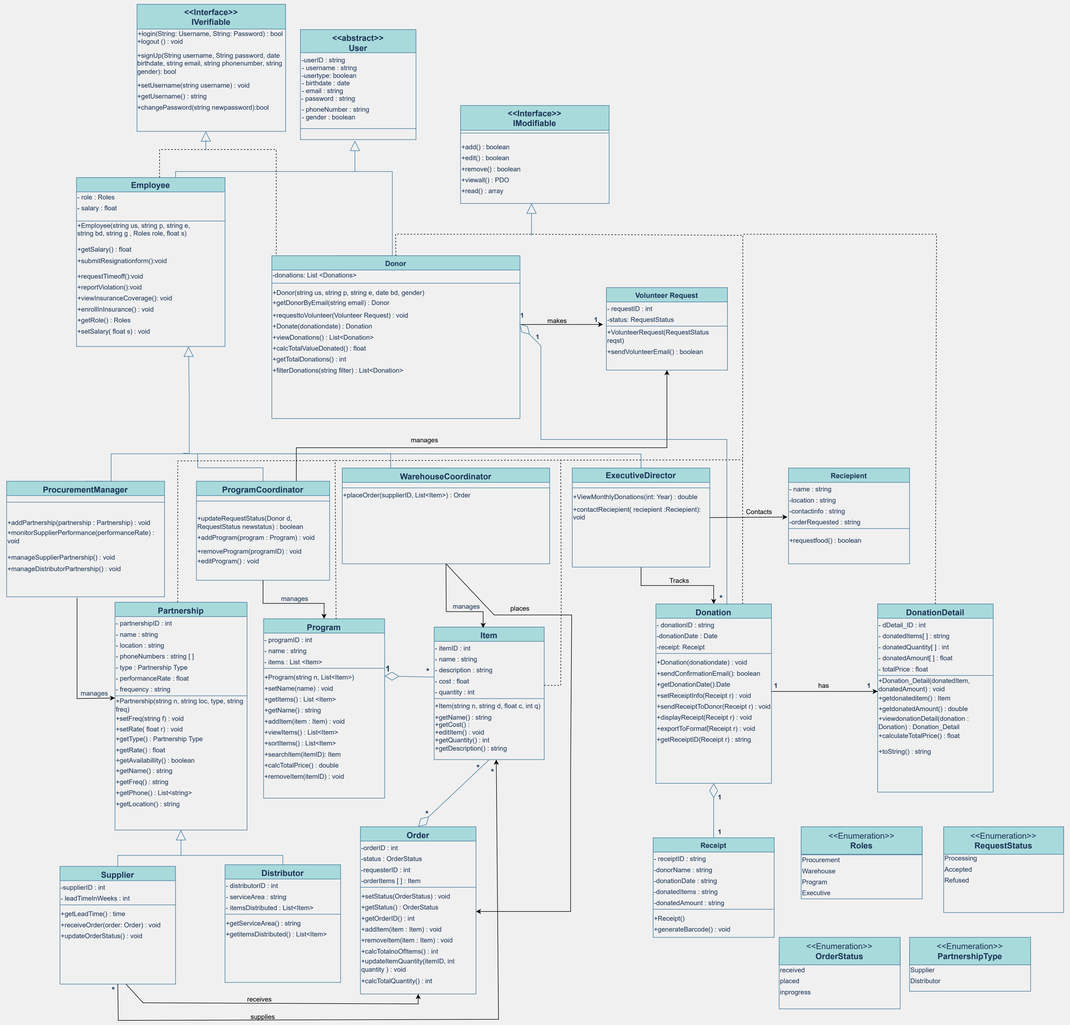
<<Interface>>
IVerifiable
+login(String: Username, String: Password) : bool
+logout () : void
+signUp(String username, String password, date birthdate, string email, string phonenumber, string gender): bool
+setUsername(string username) : void
+getUsername() : string
+changePassword(string newpassword):bool
<<abstract>>
User
-userID : string
- username : string
-usertype: boolean
- birthdate : date
- email : string
- password : string
- phoneNumber : string
- gender : boolean
<<Interface>>
IModifiable
+add() : boolean
+edit() : boolean
+remove() : boolean
+viewall() : PDO
+read() : array
Employee
- role : Roles
- salary : float
+Employee(string us, string p, string e, string bd, string g , Roles role, float s)
+getSalary() : float
+submitResignationform():void
+requestTimeoff():void
+reportViolation():void
+viewInsuranceCoverage(): void
+enrollInInsurance() : void
+getRole() : Roles
+setSalary(float s) : void
Donor
-donations: List <Donations>
+Donor(string us, string p, string e, date bd, gender)
+getDonorByEmail(string email) : Donor
+requesttoVolunteer(Volunteer Request) : void
+Donate(donationdate) : Donation
+viewDonations() : List<Donation>
+calcTotalValueDonated() : float
+getTotalDonations() : int
+filterDonations(string filter) : List<Donation>
1
makes
1
1
Volunteer Request
- requestID : int
-status: RequestStatus
+VolunteerRequest(RequestStatus reqst)
+sendVolunteerEmail() : boolean
manages
ProcurementManager
+addPartnership(partnership : Partnership) : void
+monitorSupplierPerformance(performanceRate) : void
+manageSupplierPartnership() : void
+manageDistributorPartnership() : void
ProgramCoordinator
+updateRequestStatus(Donor d, RequestStatus newstatus) : boolean
+addProgram(program : Program) : void
+removeProgram(programID) : void
+editProgram() : void
WarehouseCoordinator
+placeOrder(supplierID, List<Item>) : Order
ExecutiveDirector
+ViewMonthlyDonations(int: Year) : double
+contactReciepient(reciepient :Reciepient): void
Contacts
Reciepient
- name : string
-location : string
-contactinfo : string
-orderRequested : string
+requestfood() : boolean
Tracks
*
manages
manages
places
manages
Partnership
- partnershipID : int
- name : string
- location : string
- phoneNumbers : string [ ]
- type : Partnership Type
- performanceRate : float
- frequency : string
+Partnership(string n, string loc, type, string freq)
+setFreq(string f) : void
+setRate(float r) : void
+getType() : Partnership Type
+getRate() : float
+getAvailability() : boolean
+getName() : string
+getFreq() : string
+getPhone() : List<string>
+getLocation() : string
Program
- programID : int
- name : string
- items : List <Item>
+Program(string n, List<Item>)
+setName(name) : void
+getItems() : List <Item>
+getName() : string
+addItem(item : Item) : void
+viewItems() : List<Item>
+sortItems() : List<Item>
+searchItem(itemID): Item
+calcTotalPrice() : double
+removeItem(itemID) : void
1
*
Item
- itemID : int
- name : string
- description : string
- cost : float
- quantity : int
+Item(string n, string d, float c, int q)
+getName() : string
+getCost() :
+editItem() : void
+getQuantity() : int
+getDescription() : string
Donation
- donationID : string
-donationDate : Date
-receipt: Receipt
+Donation(donationdate) : void
+sendConfirmationEmail() : boolean
+getDonationDate() Date
+setReceiptInfo(Receipt r) : void
+sendReceiptToDonor(Receipt r) : void
+displayReceipt(Receipt r) : void
+exportToFormat(Receipt r) : void
+getReceiptID(Receipt r) : string
1
has
1
DonationDetail
- dDetail_ID : int
- donatedItems[ ] : string
- donatedQuantity[ ] : int
- donatedAmount[ ] : float
- totalPrice : float
+Donation_Detail(donatedItem, donatedAmount) : void
+getdonatedItem() : Item
+getdonatedAmount() : double
+viewdonationDetail(donation : Donation) : Donation_Detail
+calculateTotalPrice() : float
+toString() : string
1
1
Receipt
- receiptID : string
-donorName : string
-donationDate : string
-donatedItems : string
-donatedAmount : string
+Receipt()
+generateBarcode() : void
<<Enumeration>>
Roles
Procurement
Warehouse
Program
Executive
<<Enumeration>>
RequestStatus
Processing
Accepted
Refused
<<Enumeration>>
OrderStatus
received
placed
inprogress
<<Enumeration>>
PartnershipType
Supplier
Distributor
*
*
Order
-orderID : int
-status : OrderStatus
-requesterID : int
-orderItems [ ] : Item
+setStatus(OrderStatus) : void
+getStatus() : OrderStatus
+getOrderID() : int
+addItem(item : Item) : void
+removeItem(item : Item) : void
+calcTotalnoOfItems() : int
+updateItemQuantity(itemID, int quantity) : void
+calcTotalQuantity() : int
Supplier
-supplierID : int
- leadTimeInWeeks : int
+getLeadTime() : time
+receiveOrder(order: Order) : void
+updateOrderStatus() : void
Distributor
- distributorID : int
- serviceArea : string
- itemsDistributed : List<Item>
+getServiceArea() : string
+getItemsDistributed() : List<Item>
*
receives
supplies