UML DIAGRAMS

for

TRANSPORT COMPANY COMPUTERIZATION SOFTWARE

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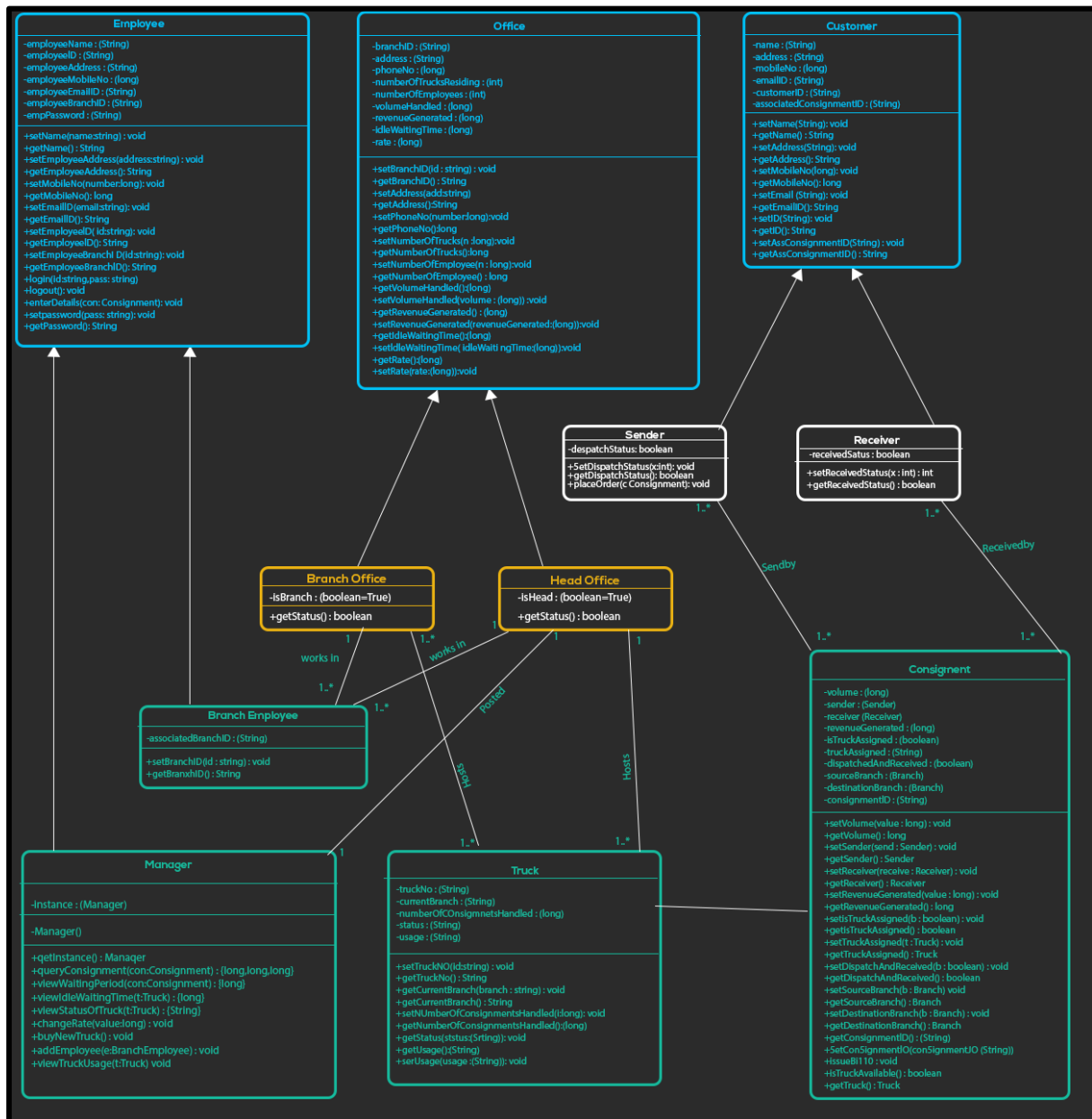
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CLASS DIAGRAM

Employee

-employeeName : (String)
-employeeID : (String)
-employeeAddress : (String)
-employeeMobileNo : (long)
-employeeEmailID : (String)
-employeeBranchID : (String)
-empPassword : (String)

+setName(name:string) : void
+getName() : String
+setEmployeeAddress(address:string) : void
+getEmployeeAddress(): String
+setMobileNo(number:long): void
+getMobileNo(): long
+setEmailID(email:string): void
+getEmailID(): String
+setEmployeeID(id:string): void
+getEmployeeID(): String
+setEmployeeBranchI D(id:string):void
+getEmployeeBranchID(): String
+login(id:string,pass: string)
+logout():void
+enterDetails(con: Consignment): void
+setpassword(pass: string): void
+getPassword(): String

Office

-branchID : (String)
-address : (String)
-phoneNo : (long)
-numberOfTrucksResiding : (int)
-numberOfEmployees : (int)
-volumeHandled : (long)
-revenueGenerated : (long)
-idleWaitingTime : (long)
-rate : (long)

+setBranchID(id : string) : void
+getBranchID() : String
+setAddress(add:string)
+getAddress():String
+setPhoneNo(number:long):void
+getPhoneNo():long
+setNumberOfTrucks(n :long):void
+getNumberOfTrucks():long
+setNumberOfEmployee(n : long):void
+getNumberOfEmployee() : long
+getVolumeHandled():(long)
+setVolumeHandled(volume : (long)):void
+getRevenueGenerated() : (long)
+setRevenueGenerated(revenueGenerated:(long)):void
+getIdleWaitingTime():(long)
+setIdleWaitingTime(idleWaiti ngTime:(long)):void
+getRate():(long)
+setRate(rate:(long)):void

Customer

-name : (String)
-address : (String)
-mobileNo : (long)
-emailID : (String)
-customeriD : (String)
-associatedConsignmentID : (String)

+setName(String):void
+getName() : String
+setAddress(String): void
+getAddress(): String
+setMobileNo(long): void
+getMobileNo(): long
+setEmail (String): void
+getEmailID(): String
+setID(String): void
+getID(): String
+setAssConsignmentID(String) : void
+getAssConsignmentID : String

Sender

-despatchStatus: boolean

+SetDispatchStatus(x:int): void
+getDispatchStatus(): boolean
+placeOrder(c Consignment): void

Receiver

-receivedSatus : boolean

+setReceivedStatus(x : int) : int
+getReceivedStatus() : boolean

Branch Office

-isBranch : (boolean=True)

+getStatus() : boolean

Head Office

-isHead : (boolean=True)

+getStatus() : boolean

Consignent

-volume : (long)
-sender : (Sender)
-receiver (Receiver)
-revenueGenerated : (long)
-isTruckAssigned : (boolean)
-truckAssigned : (String)
-dispatchedAndReceived : (boolean)
-sourceBranch : (Branch)
-destinationBranch : (Branch)
-consignmentID : (String)

+setVolume(value : long) : void
+getVolume() : long
+setSender(send : Sender) : void
+getSender() : Sender
+setReceiver(receive : Receiver) : void
+getReceiver() : Receiver
+setRevenueGenerated(value : long) : void
+getRevenueGenerated() : long
+setIsTruckAssigned(b : boolean) : void
+getIsTruckAssigned() : boolean
+setTruckAssigned(t : Truck) : void
+getTruckAssigned() : Truck
+setDispatchedAndReceived(b : boolean) : void
+getDispatchAndReceived() : boolean
+setSourceBranch(b : Branch) void
+getSourceBranch() : Branch
+setDestinationBranch(b : Branch) : void
+getDestinationBranch() : Branch
+getConsignmentID() : (String)
+SetConSignmentID(conSignmentJO (String))
+issueBi110 : void
+isTruckAvailable() : boolean
+getTruck() : Truck

Branch Employee

-associatedBranchID : (String)

+setBranchID(id : string) : void
+getBranxhID() : String

Manager

-instance : (Manager)

-Manager()

+getInstance() : Manager
+queryConsignment(con:Consignment) : (long,long,long)
+viewWaitingPeriod(con:Consignment) : (long)
+viewIdleWaitingTime(t:Truck) : (long)
+viewStatusOfTruck(t:Truck) : (String)
+changeRate(value:long) : void
+buyNewTruck() : void
+addEmployee(e:BranchEmployee) : void
+viewTruckUsage(t:Truck) void

Truck

-truckNo : (String)
-currentBranch : (String)
-numberOfConsignmetsHandled : (long)
-status : (String)
-usage : (String)

+setTruckNO(id:string) : void
+getTruckNo() : String
+getCurrentBranch(branch : string) : void
+getCurrentBranch() : String
+setNUmberOfConsignmentsHandled(i:long): void
+getNumberOfConsignmentsHandled():(long)
+getStatus(ststus:(String)): void
+getUsage():(String)
+serUsage(usage :(String)): void

works in   1   1..*   works in   1..*   1..*

1   1..*   Posted   Hosts   Hosts   1..*   1..*   1   1

Sendby   1..*   Receivedby   1..*

USE-CASE DIAGRAM