#### Service

### EmployeeService

+EmployeeRepo: EmployeeRepository

+GetEmployeeByld(id : int) : Employee

+GetEmployeeList(): List<Employee>

+AddEmployee(employee : Employee) : Employee

+SearchEmployeeDirectory(employeeNumber ; int. lastName ; string) ; List<EmployeeDetailDTO>

+GetEmployeeByEmployeeNumber(employeeNumber : int) : EmployeeDetailDTO

+UpdatePersonalInfo(info : EmployeeInfoDTO) : EmployeeInfoDTO

+UpdateEmployee(e : Employee) : Employee

+ValidateEmployee(employee : Employee) : bool

### PurchaseOrderService

-PurchaseOrderRepo : PurchaseOrderRepository

+AddPurchaseOrder(purchaseOrder : PurchaseOrder) : PurchaseOrder

+GetPurchaseOrdersForEmployee(employeeNumber : int) : List<PurchaseOrder>

+GetPuchaseOrdersForDepartment(departmentId : int) : List<POSearchResultsApiDTO>

+UpdatePurchaseOrder(id : int, purchaseOrder : PurchaseOrder)

+SearchPurchaseOrders(filters: POSearchFiltersDTO): List<PODisplayDTO>

+ValidatePurchaseOrder(po : PurchaseOrder) : bool

+GetPurchaseOrdersForDepartment(departmentId) : List<PurchaseOrder>

+SearchPurchaseOrdersForSupervisor(filters: POSupervisorFiltersDTO): List<PurchaseOrder>

+ClosePO(PONumber : int) : PurchaseOrder

### ItemService

-ItemRepo : ItemRepository

+AddItem(item : Item) : Item +UpdateItem(item : Item) : Item +ValidateItem(item : Item) : bool

#### DepartmentService

-DepartmentRepo : DepartmentRepository

+GetActiveDepartments(): List<DepartmentDisplayDTO>

+AddDepartment(department Department) : Department +UpdateDepartment(d : Department) : Department

+GetDepartmentForEmployee(employeeNumber : int) : Department

+ValidateDepartment(department : Department) : bool

+DeleteDepartment(departmentId : int) : bool

### AuthService

-AuthRepo: AuthRepository

+Login(employeeNumber : string, password : string) : UserDTO

### **TokenService**

-configuration : IConfiugration

+CreateToken(user : UserDTO) : string

## EmailService

+Send(info : EmailDTO) : void

# ReviewService

-ReviewRepo: ReviewRepositoty

+AddReview(review : Review) : Review

+GetPendingEmployees() : List<Employee>

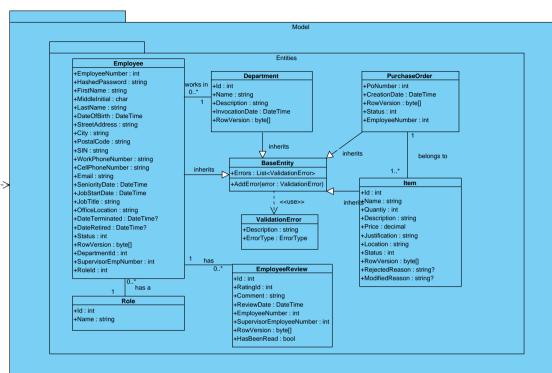
+SendReminders(employees : List<Employee>)

+ListEmployeeReviews(employeeNumber : int) : List<Review>

+GetPendingEmployeesForSupervisor(supervisor : int) : List<Employee>

### Change List:

-added field to track if review has been read



## EmployeeDetailDTO +EmployeeNumber : int +LastName : string +FirstName : string +WorkPhone : string +CellPhone : string +HomeMailingAddress : string +Email : string POSearchResultsApiDTO

depends on

### +PoNumber : int +CreationDate : DateTime +SupervisorName : string

Status : string For search PO API user story

### ItemSearchDTO

+ItemName : string +Description : string +Price : decimal +Justification : string +Location : string

#### PODisplayDTO +PoNumber : int

+CreationDate : DateTime +Status : string +Subtotal : decimal +Tax : decimal +GrandTotal : decimal

For search PO -Employee user story

### POSearchFiltersDTO

+StartDate : DateTime +EndDate : DateTime +PONumber : int? +EmployeeNumber : int

## DepartmentDisplayDTO

+DepartmentId : int +DepartmentName : string

### EmailDTO +To:string

+From : string +Subject : string +Body : string

### UserDTO

+EmployeeNumber : int +RoleName : string +FullName : string +Email: string

## LoginOutputDTO +EmployeeNumber : int

+Email : string +Token : string +ExpiresIn : int

### EmployeeInfoDTO +EmployeeNumber : int

+Password : string +FirstName : string +LastName : string +MiddleInitial : char +StreetAddress : string +City: string +PostalCode : string

## POSupervisorFiltersDTO

+StartDate : DateTime +EndDate : DateTime +PONumber: int +Status : int

+EmployeeName : string

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