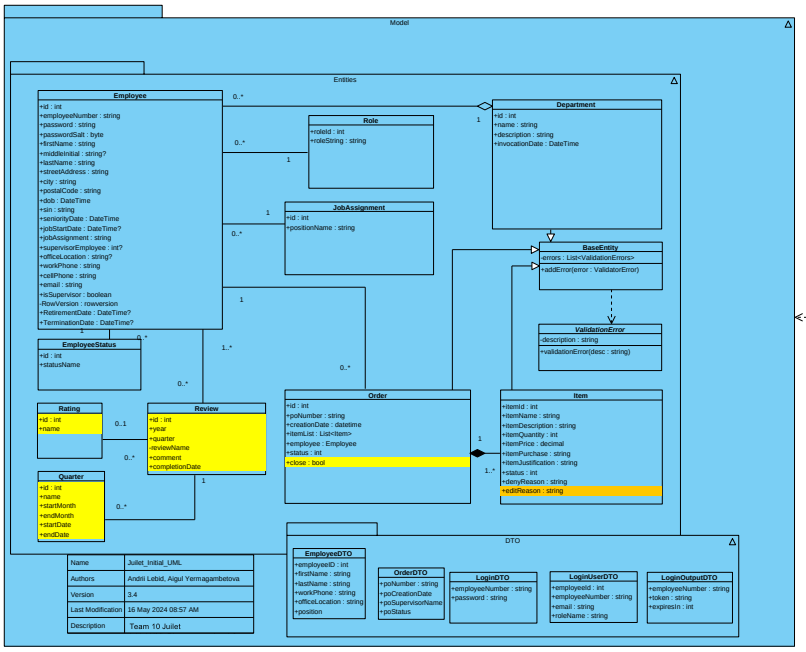
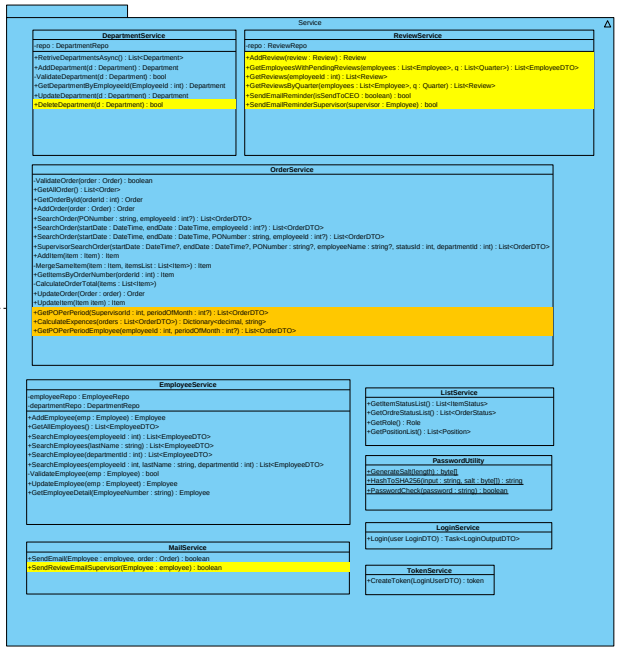

Model
Entities
Employee
+id : int
+employeeNumber : string
+password : string
+passwordSalt : byte
+firstName : string
+middleInitial : string?
+lastName : string
+streetAddress : string
+city : string
+postalCode : string
+dob : DateTime
+sin : string
+seniorityDate : DateTime
+jobStartDate : DateTime?
+jobAssignment : string
+supervisorEmployee : int?
+officeLocation : string?
+workPhone : string
+cellPhone : string
+email : string
+isSupervisor : boolean
-RowVersion : rowversion
+RetirementDate : DateTime?
+TerminationDate : DateTime?
Role
+roleId : int
+roleString : string
Department
+id : int
+name : string
+description : string
+revocationDate : DateTime
JobAssignment
+id : int
+positionName : string
BaseEntity
-errors : List<ValidationErrors>
+addError(error : ValidatorError)
ValidationError
-description : string
+validationError(desc : string)
EmployeeStatus
+id : int
+statusName
Rating
+id : int
+name
Review
+id : int
+year
+quarter
-reviewName
+comment
+completionDate
Quarter
+id : int
+name
+startMonth
+endMonth
+startDate
+endDate
Order
+id : int
+poNumber : string
+creationDate : datetime
+itemList : List<Item>
+employee : Employee
+status : int
+close : bool
Item
+itemId : int
+itemName : string
+itemDescription : string
+itemQuantity : int
+itemPrice : decimal
+itemPurchase : string
+itemJustification : string
+status : int
+denyReason : string
+editReason : string
0..*
1
0..1
1..*
Name | Juillet_Initial_UML
Authors | Andrii Lebid, Aigul Yermagambetova
Version | 3.4
Last Modification | 16 May 2024 08:57 AM
Description | Team 10 Juillet
DTO
EmployeeDTO
+employeeID : int
+firstName : string
+lastName : string
+workPhone : string
+officeLocation : string
+position
OrderDTO
+poNumber : string
+poCreationDate
+poSupervisorName
+poStatus
LoginDTO
+empyeeNumber : string
+password : string
LoginUserDTO
+employeeId : int
+employeeNumber : string
+email : string
+roleName : string
LoginOutputDTO
+employeeNumber : string
+token : string
+expiresIn : int


Service
DepartmentService
-repo : DepartmentRepo
+RetriveDepartmentsAsync() : List<Department>
+AddDepartment(d : Department) : Department
-ValidateDepartment(d : Department) : bool
+GetDepartmentByEmployeeId(EmployeeId : int) : Department
+UpdateDepartment(d : Department) : Department
+DeleteDepartment(d : Department) : bool
ReviewService
-repo : ReviewRepo
+AddReview(review : Review) : Review
+GetEmployeesWithPendingReviews(employees : List<Employee>, q : List<Quarter>) : List<EmployeeDTO>
+GetReviews(employeeId : int) : List<Review>
+GetReviewsByQuarter(employees : List<Employee>, q : Quarter) : List<Review>
+SendEmailReminderToSendToCEO : boolean) : bool
+SendEmailReminderSupervisor(supervisor : Employee) : bool
OrderService
-ValidateOrder(order : Order) : boolean
+GetAllOrder() : List<Order>
+GetOrderById(orderId : int) : Order
+AddOrder(order : Order) : Order
+SearchOrder(PONumber : string, employeeId : int?) : List<OrderDTO>
+SearchOrder(startDate : DateTime, endDate : DateTime, employeeId : int?) : List<OrderDTO>
+SearchOrder(startDate : DateTime, endDate : DateTime, PONumber : string, employeeId : int?) : List<OrderDTO>
+SupervisorSearchOrder(startDate : DateTime?, endDate : DateTime?, PONumber : string?, employeeName : string?, statusId : int, departmentId : int) : List<OrderDTO>
+AddItem(item : Item) : Item
-MergeSameItem(item : Item, itemsList : List<Item>) : Item
+GetItemsByOrderNumber(orderId : int) : Item
-CalculateOrderTotal(items : List<Item>)
+UpdateOrder(Order : order) : Order
+UpdateItem(Item item) : Item
+GetPOPerPeriod(SupervisorId : int, periodOfMonth : int?) : List<OrderDTO>
+CalculateExpences(orders : List<OrderDTO>) : Dictionary<decimal, string>
+GetPOPerPeriodEmployee(employeeId : int, periodOfMonth : int?) : List<OrderDTO>
EmployeeService
-employeeRepo : EmployeeRepo
-departmentRepo : DepartmentRepo
+AddEmployee(emp : Employee) : Employee
+GetAllEmployees() : List<EmployeeDTO>
+SearchEmployees(employeeId : int) : List<EmployeeDTO>
+SearchEmployees(lastName : string) : List<EmployeeDTO>
+SearchEmployee(departmentId : int) : List<EmployeeDTO>
+SearchEmployees(employeeId : int, lastName : string, departmentId : int) : List<EmployeeDTO>
-ValidateEmployee(emp : Employee) : bool
+UpdateEmployee(emp : Employee) : Employee
+GetEmployeeDetail(EmployeeNumber : string) : Employee
ListService
+GetItemStatusList() : List<ItemStatus>
+GetOrdreStatusList() : List<OrderStatus>
+GetRole() : Role
+GetPositionList() : List<Position>
PasswordUtility
+GenerateSalt(length) : byte[]
+HashToSHA256(input : string, salt : byte[]) : string
+PasswordCheck(password : string) : boolean
LoginService
+Login(user LoginDTO) : Task<LoginOutputDTO>
MailService
+SendEmailEmployee : employee, order : Order) : boolean
+SendReviewEmailSupervisor(Employee : employee) : boolean
TokenService
+CreateToken(LoginUserDTO) : token