RV Inventory Database Management System

NewRV
- warranty_period: NUMBER

+ calculateWarrantyEndYear(): NUMBER

UsedRV
- mileage: NUMBER
- previous_owners: NUMBER

+ OVERRIDE calculateDeprication(): INTEGER
+ calculateExpectedLife(): INTEGER

DemoRV
- mileage: NUMBER
- price_discount: NUMBER

+ OVERRIDE RecreationalVehicle
CONSTRUCTOR: self as result

Employee
- employee_id: NUMBER
- employee_name: VARCHAR2
- position: VARCHAR2
- contact: NUMBER
- rv_id ref RecreationalVehicle

+ listAvailableEmployees(): VARCHAR2
+ searchRV(rv_id): BOOLEAN

RecreationalVehicle
+ rv_id: NUMBER
- make: VARCHAR2
- model: VARCHAR2
- year: NUMBER
- price: NUMBER
- availability: VARCHAR2(15)
- rvcondition: VARCHAR2(15)

+ calculateDepreciation(): INTEGER
+ displayDetails(): VARCHAR2
+ displayAvailability(): VARCHAR2
+ MAP comps(): INTEGER

RVOrder
- order_id: NUMBER
- order_date: DATE
- customer_id ref RVCustomer
- payment_id ref Payment
- rv_id ref RecreationalVehicle

+ calculateOrderTotal(): NUMBER

RVCustomer
- customer_id: NUMBER
- first_name: VARCHAR2
- last_name: VARCHAR2
- dob: DATE
- email: VARCHAR2
- phone_number: NUMBER
- employee_id ref Employee

+ displayCustomerDetails():
VARCHAR2

RVServiceAppointment
- appointment_id: NUMBER
- service_date: DATE
- serviceType: VARCHAR2
- rvid ref RecreationalVehicle

+ isServiceOverdue(): BOOLEAN
+ getRVdetails(rv_Id): VARCHAR2
+ ORDER sort(appt in RVServiceAppointment): INTEGER

RVServiceCentre
- location_id: NUMBER
- address: VARCHAR2
- contact: VARCHAR2
- appointment_id ref RVServiceAppointment

+ listAvailableServices(): VARCHAR2

Payment
- payment_id: NUMBER
- amount: NUMBER
- payment_date: DATE

+ validatePayment(): BOOLEAN

Supplier
- supplier_Id: NUMBER
- name: VARCHAR2
- address: VARCHAR2
- phone_number: VARCHAR2
- rv_id ref RecreationalVehicle

+ listSuppliedPart(): VARCHAR2
+ displaySupplierAddress(): VARCHAR2

RVPart
- part_id: NUMBER
- part_name: VARCHAR2
- price: NUMBER
- appointment_ref REF RVServiceAppointment
- location_id REF RVServiceCentre

+ checkPartAvailability(): BOOLEAN