**Account**

Variables

* int accRef
* String accName
* Date startDate
* Date endDate
* double balance
* String createdBy
* Date createdDate
* ArrayList<ModifiedByInterface> modifiedBy
* ArrayList<TransactionInterface> debitTransactions
* ArrayList<TransactionInterface> creditTransactions

Constructor

* Account(int accRef, String accName, Date startDate, String createdBy)

Methods

* setEndDate(Date endDate, ModifiedByInterface modifiedBy)
* updateAccount(Date startDate, String accName, ModifiedByInterface modifiedBy)
* createTransaction(TransactionInterface transaction)

**Employee Account**

Variables

* ContractInterface contract

Constructor

* EmployeeAccount(int employeeAccRef, ContractInterface contract, String createdBy)

Methods

**Lease Account**

Variables

* LeaseInterface lease

Constructor

* LeaseAccount(int leaseAccRef, LeaseInterface lease, String createdBy)

Methods

**Rent Account**

Variables

* double rent
* TenancyInterface tenancy

Constructor

* RentAccount(int rentAccRef, String name, Date rentAccStart, double rent, TenancyInterface tenancy, String createdBy)

Methods

* setRent(double rent)

**Agreement**

Variables

* int agreementRef
* String agreementName
* Date startDate
* Date expectedEndDate
* Date actualEndDate
* int length
* String createdBy
* Date createdDate
* ArrayList<ModifiedByInterface> modifiedBy
* String officeCode

Constructor

* Agreement(int agreementRef, String agreementName, Date startDate, int length, String createdBy, String officeCode)

Methods

* setActualEndDate(Date actualEndDate, ModifiedByInterface modifiedBy)
* updateAgreement(Date startDate, int length, ModifiedByInterface modifiedBy)

**Contract**

Variables

* EmployeeInterface employee
* JobRoleInterface jobRole

Constructor

* Contract(int contractRef, Date startDate, int length, String createdBy, EmployeeInterface employee, JobRoleInterface jobRole, String officeCode)

Methods

**Lease**

Variables

* ArrayList<LandlordInterface> landlords
* PropertyInterface property
* boolean fullManagement
* double expenditure

Constructor

* Lease(int leaseRef, Date startDate, int length, String createdBy, Property property, boolean management, double expenditure, String officeCode)

Methods

* addLandlord(LandlordInterface landlord)

**Tenancy**

Variables

* ApplicationInterface application
* PropertyInterface property
* Element tenType
* double rent
* double charges

Constructor

* Tenancy(int tenRef, Date startDate, int length, String createdBy, PropertyInterface property, ApplicationInterface application, Element tenType, String officeCode)

Methods

* setTenType(Element tenType)
* setRent(double rent)
* setCharges(double charges)

**Address**

Variables

* int addressRef
* String buildingNumber
* String buildingName
* String subStreetNumber
* String subStreet
* String streetNumber
* String street
* String area
* String town
* String country
* String postcode
* String createdBy
* Date createdDate
* ArrayList<ModifiedByInterface> modifiedBy

Constructor

* Address(int addressRef, String buildingNumber, String buildingName, String subStreetNumber, String subStreet, String streetNumber, String street, String area, String town, String country, String postcode, String createdBy)

Methods

* updateAddress(String buildingNumber, String buildingName, String subStreetNumber, String subStreet, String streetNumber, String street, String area, String town, String country, String postcode, ModifiedByInterface modifiedBy)

**AddressUsage**

Variables

* AddressInterface address
* Date startDate
* Date endDate
* String createdBy
* Date createdDate
* ArrayList<ModifiedByInterface> modifiedBy

Constructor

* AddressUsage(AddressInterface address, Date startDate, String createdBy)

Methods

* setEndDate(Date endDate, ModifiedByInterface modifiedBy)
* updateAddress(AddressInterface address, Date startDate, ModifiedByInterface modifiedBy)

**Contact**

Variables

* Element contactType
* String contactValue
* Date startDate
* Date endDate
* String createdBy
* Date createdDate
* ArrayList<ModifiedByInterface> modifiedBy

Constructor

* Contact(Element type, String value, Date date, String createdBy)

Methods

* setEndDate(Date endDate, ModifiedByInterface modifiedBy)
* updateContact(Element contactType, String contactValue, Date startDate, ModifiedByInterface modifiedBy)

**Application**

Variables

* int appRef
* String appCorrName
* Date appStartDate
* Date appEndDate
* appStatusCode
* ArrayList<InvolvedParty> household
* ArrayList<AddressUsage> appAddresses = new ArrayList()
* ArrayList<PropertyInterface> propertiesInterestedIn
* ArrayList<ModifiedByInterface> modifiedBy
* int tenancyRef
* String createdBy
* Date createdDate

Constructor

* Application(int appRef, String corrName, Date appStartDate, InvolvedParty mainApp, AddressUsage address, String createdBy)

Methods

* updateApplication(String name, Date startDate, ModifiedByInterface modifiedBy)
* setEndDate(Date endDate, ModifiedByInterface modifiedBy)
* setAppStatusCode(String code)
* setHouseholdAddress(AddressUsage address, ModifiedByInterface modifiedBy)
* setAppAddress(AddressUsage address, ModifiedByInterface modifiedBy)
* addInvolvedParty(InvolvedParty party, ModifiedByInterface modifiedBy)
* changeMainApp(int invPartyRef, Date end, Element endReason, ModifiedByInterface modifiedBy)
* endInvolvedParty(int invPartyRef, Date end, Element endReason, ModifiedByInterface modifiedBy)
* setTenancy(int tenancyRef, ModifiedByInterface modifiedBy)
* addInterestedProperty(PropertyInterface property, ModifiedByInterface modifiedBy)
* endInterestInProperty(PropertyInterface property, ModifiedByInterface modifiedBy)

**Person**

Variables

* int personRef
* Element title
* String forename
* String middleNames
* String surname
* Date dateOfBirth
* String nationalInsurance
* Element gender
* Element maritalStatus
* Element ethnicOrigin
* Element language
* Element nationality
* Element sexuality
* Element religion
* ArrayList<ContactInterface> contacts
* ArrayList<AddressUsageInterface> addresses
* String createdBy
* Date createdDate
* ArrayList<ModifiedBy> modifiedBy

Constructor

* Person(int personRef, Element title, String forename, String middleNames, String surname, Date dateOfBirth, String nationalInsurance, Element gender, Element maritalStatus, Element ethnicOrigin, Element language, Element nationality, Element sexuality, Element religion, ArrayList<ContactInterface> contacts, AddressUsageInterface address, String createdBy)

Methods

* createContact(ContactInterface contact, ModifiedByInterface modifiedBy)
* updateContact(ContactInterface contact, Element contactType, String contactValue, Date startDate, ModifiedByInterface modifiedBy)
* createAddress(AddressUsageInterface address, ModifiedByInterface modifiedBy)
* updatePerson(Element title, String forename, String middleNames, String surname, Date dateOfBirth, String nationalInsurance, Element gender, Element maritalStatus, Element ethnicOrigin, Element language, Element nationality, Element sexuality, Element religion, ModifiedByInterface modifiedBy)

**Employee**

Variables

* int employeeRef
* PersonInterface person
* ArrayList<ContractInterface> contracts
* String officeCode
* ArrayList<ModifiedBy> modifiedBy
* String createdBy
* Date createdDate

Constructor

* Employee(int employeeRef, PersonInterface person, String createdBy)

Methods

* createContract(ContractInterface contract, ModifiedByInterface modifiedBy)

**Landlord**

Variables

* int landlordRef
* PersonInterface person
* ArrayList<LeaseInterface> leases
* ArrayList<ModifiedBy> modifiedBy
* String createdBy
* Date createdDate

Constructor

* Landlord(int landlordRef, PersonInterface person, String createdBy)

Methods

* createLease(LeaseInterface lease, ModifiedByInterface modifiedBy)

**InvolvedParty**

Variables

* int involvedPartyRef
* PersonInterface person
* boolean jointApplicantInd
* boolean mainApplicantInd
* Date startDate
* Date endDate
* Element endReason
* Element relationship
* ArrayList<ModifiedByInterface> modifiedBy
* String createdBy
* Date createdDate

Constructor

* InvolvedParty(int invPartyRef, PersonInterface person, boolean joint, boolean main, Date start, Element relationship, String createdBy)

Methods

* void setJointInd(boolean joint)
* void setMainInd()
* endInvolvedParty(Date end, Element endReason, ModifiedByInterface modifiedBy)
* updateInvolvedParty(boolean joint, Date start, Element relationhip, ModifiedByInterface modifiedBy)

**Element**

Variables

* String code
* String description
* boolean current
* ArrayList<ModifiedByInterface> modifiedBy
* String createdBy
* Date createdDate

Constructor

* ElementImpl(String code, String description, String createdBy)

Methods

* updateElement(String description, boolean current, ModifiedByInterface modifiedBy)

**JobRole**

Variables

* String jobRoleCode
* String jobTitle
* String jobDescription
* HashMap<String, Element> jobRequirements
* boolean fullTime
* double salary
* HashMap<String, JobRoleBenefitInterface> benefits
* ArrayList<ModifiedByInterface> modifiedBy
* String createdBy
* Date createdDate

Constructor

* JobRole(String code, String jobTitle, String jobDescription, boolean fullTime, double salary, String createdBy)

Methods

* updateJobRole(String title, String description , double salary, ModifiedByInterface modifiedBy)
* createJobRequirement(Element requirement, ModifiedByInterface modifiedBy)
* removeJobRequirement(Element requirement, ModifiedByInterface modifiedBy)
* setSalary(double salary, ModifiedByInterface modifiedBy)
* createBenefit(JobRoleBenefitInterface benefit, ModifiedByInterface modifiedBy)
* removeBenefit(JobRoleBenefitInterface benefit, ModifiedByInterface modifiedBy)

**JobRoleBenefit**

Variables

* Element element
* String stringValue
* double doubleValue
* String createdBy
* Date createdDate
* boolean salaryBenefit

Constructor

* JobRoleBenefit(Element element, boolean salaryBenefit, String createdBy)

Methods

* updateJobRoleBenefit(String stringValue, double doubleValue, boolean salaryBenefit, ModifiedByInterface modifiedBy)

**ModifiedBy**

Variables

* String modifiedBy
* Date modifiedDate
* String description

Constructor

* ModifiedBy(String modifiedBy, String description)

Methods

**Office**

Variables

* String officeCode
* AddressInterface address
* Date startDate
* Date endDate
* ArrayList<ContactInterface> contacts
* HashMap<Integer, AgreementInterface> agreements
* HashMap<Integer, AccountInterface> accounts
* ArrayList<ModifiedByInterface> modifiedBy
* String createdBy
* Date createdDate

Constructor

* Office(String officeCode, AddressInterface address, Date startDate, String createdBy)

Methods

* setStartDate(Date startDate, ModifiedByInterface modifiedBy)
* setEndDate(Date endDate, ModifiedByInterface modifiedBy)

**PropertyElement**

Variables

* Element element
* String stringValue
* double doubleValue
* Date startDate
* Date endDate
* ArrayList<ModifiedByInterface> modifiedBy
* String createdBy
* Date createdDate
* boolean charge

Constructor

* PropertyElement(Element element, Date startDate, boolean charge, String stringValue, double doubleValue, String createdBy)

Methods

* updatePropertyElement(Date startDate, String stringValue, double doubleValue, boolean charge, ModifiedByInterface modifiedBy)
* setEndDate(Date endDate, ModifiedByInterface modifiedBy)

**Transaction**

Variables

* int accountRef
* int fromRef
* int toRef
* double amount
* boolean debit
* Date transactionDate
* String createdBy
* Date createdDate

Constructor

* Transaction(int accountRef, int fromRef, int toRef, double amount, boolean debit, Date transactionDate, String createdBy)

Methods

**Property**

Variables

* int propRef
* AddressInterface address
* ArrayList<LandlordInterface> landlords
* Date acquiredDate
* Date leaseEndDate
* Element propType
* Element propSubType
* String propStatus
* ArrayList<PropertyElement> propertyElements
* String createdBy
* Date createdDate
* ArrayList<ModifiedByInterface> modifiedBy

Constructor

* Property(int propRef, AddressInterface address, boolean management, Date acquiredDate, Element propType, Element propSubType)

Methods

* setLandlords(ArrayList<LandlordInterface> landlords, ModifiedByInterface modifiedBy)
* setLeaseEndDate(Date leaseEndDate, ModifiedByInterface modifiedBy)
* setPropStatus(String propStatus, ModifiedByInterface modifiedBy)
* updateProperty(Date acquiredDate, Element propType, Element propSubType, ModifiedByInterface modifiedBy)