

**ReliefService**

```
<<Property>> -dateOfInquiry : String
<<Property>> -infoProvided : String
<<Property>> -inquirer : Inquirer
<<Property>> -missingPerson : DisasterVictim
<<Property>> -lastKnownLocation : Location
+ReliefService(inquirer : Inquirer, missingPerson : DisasterVictim, dateOfInquiry : String, infoProvided : String, lastKnownLocation : Location)
+getLogDetails() : String
```

**Inquirer**

```
<<Property>> -id : Integer
<<Property>> -firstName : String
<<Property>> -lastName : String
<<Property>> -servicesPhone : String
<<Property>> -info : String
+Inquirer(firstName : String, lastName : String, servicesPhone : String, info : String)
+Inquirer(id : Integer, firstName : String, lastName : String, servicesPhone : String, info : String)
+equals(o : Object) : boolean
+hashCode() : int
```

**DisasterVictim**

```
<<Property>> -firstName : String
<<Property>> -lastName : String
<<Property>> -dateOfBirth : String
<<Property>> -entryDate : String
<<Property>> -approximateAge : int = -1
<<Property>> -comments : String
<<Property>> -assignedSocialID : int
<<Property>> -gender : String
<<Property>> -socialIDCounter : int = 1
<<Property>> -medicalRecords : MedicalRecord
<<Property>> -familyConnections : FamilyRelation
<<Property>> -personalBelongings : Supply
<<Property>> -dietaryRestrictions : DietaryRestriction
<<Property>> -location : Location
+DisasterVictim(firstName : String, entryDate : String)
+DisasterVictim(firstName : String, lastName : String, entryDate : String)
+getApproximateAge() : Integer
+getMedicalRecord(record : MedicalRecord) : void
+addFamilyConnection(relation : FamilyRelation) : void
+removeFamilyConnection(relation : FamilyRelation) : void
+validateFamilyNetwork() : void
+hasDirectConnection(victim1 : DisasterVictim, victim2 : DisasterVictim) : boolean
+addPersonalBelonging(supply : Supply) : void
+removePersonalBelonging(supply : Supply) : void
+addDietaryRestriction(dietaryRestriction : DietaryRestriction) : void
```

**DietaryRestriction**

```
<<enumeration>>
AVML
GBML
GFML
KSMML
LSMML
MOMML
PFML
VGML
VJML
```

**InteractionLog**

```
interactions : Map<Inquirer, List<ReliefService>>
+InteractionLog()
+logInteraction(inquirer : Inquirer, service : ReliefService) : void
+getInteractions(inquirer : Inquirer) : List<ReliefService>
+searchInquirer(query : String) : List<Inquirer>
```

**Gender**

```
genderOptions : List<String> = new ArrayList<>()
+isValidGender(gender : String) : boolean
+getLoadedGenders() : List<String>
```

**FamilyRelation**

```
<<Property>> -relationshipTo : String
<<Property>> -personOne : DisasterVictim
<<Property>> -personTwo : DisasterVictim
+FamilyRelation(personOne : DisasterVictim, relationshipTo : String, personTwo : DisasterVictim)
+involve(victim : DisasterVictim) : boolean
+getOtherVictim(victim : DisasterVictim) : DisasterVictim
+equals(o : Object) : boolean
+hashCode() : int
```

**DisasterSystem**

```
+scanner : Scanner = new Scanner(System.in)
+disasterVictimRecords : List<String> = new ArrayList<>()
+currentLocation : Location
+main(args : String[]) : void
+centralWorkerInterface() : void
+locationBasedWorkerInterface() : void
+setCurrentLocation(choice : int) : void
+enterDisasterVictimInformation() : void
+viewDisasterVictims() : void
+logInquirerQuery() : void
+searchInquirersByName() : void
```

**Location**

```
<<Property>> -name : String
<<Property>> -address : String
<<Property>> -occupants : DisasterVictim
<<Property>> -supplies : Supply
+Location(name : String, address : String)
+addOccupant(occupant : DisasterVictim) : void
+removeOccupant(occupant : DisasterVictim) : void
+addSupply(supply : Supply) : void
+removeSupply(supply : Supply) : void
+locateSupply(victim : DisasterVictim, supply : Supply) : void
```

**Supply**

```
<<Property>> -type : String
<<Property>> -quantity : int
+Supply(type : String, quantity : int)
```

**DatabaseUtils**

```
URL : String = "jdbc:postgresql://localhost:5432/ins380project"
USERNAME : String = "top"
PASSWORD : String = "topgany"
+getConnecton() : Connection
+setInitialSequenceValues() : void
+setSequenceValueForTable(sequenceName : String, tableName : String) : void
+logInquiry(inquirer : Inquirer, details : String) : void
+getInquirerOrCreate(conn : Connection, inquirer : Inquirer) : int
+searchInquirersByName(query : String) : void
+viewInquirers() : void
+viewInquiryLog() : void
```

**MedicalRecord**

```
<<Property>> -treatmentDetails : String
<<Property>> -dateOfTreatment : String
<<Property>> -location : Location
+MedicalRecord(location : Location, treatmentDetails : String, dateOfTreatment : String)
```