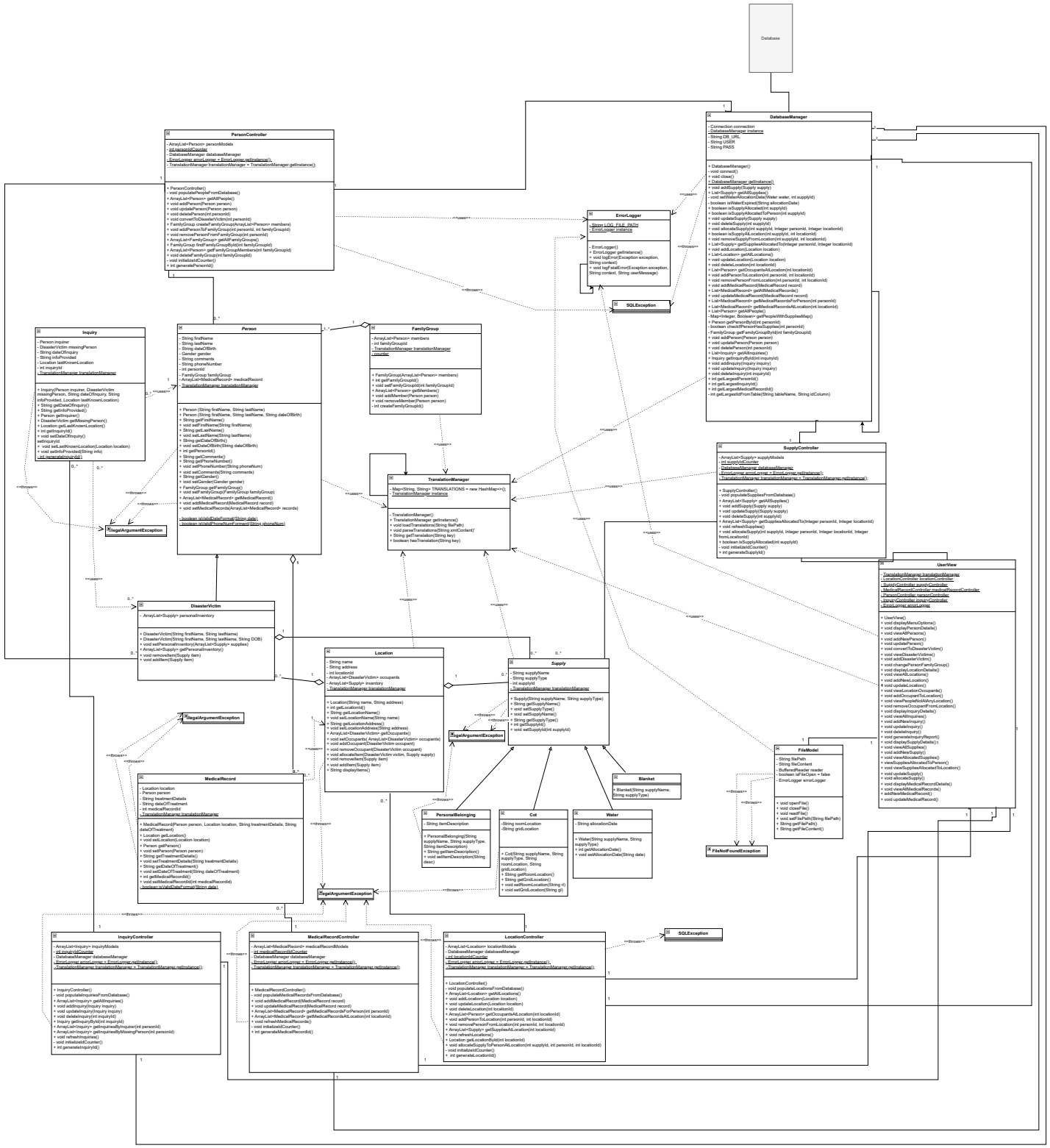
Database
DatabaseManager
- Connection connection
- DatabaseManager instance
- String DB_URL
- String USER
- String PASS
+ DatabaseManager()
- void connect()
+ void close()
+ DatabaseManager getInstance()
+ void addSupply(Supply supply)
+ List<Supply> getAllSupplies()
- void setWaterAllocationDate(Water water, int supplyId)
- boolean isWaterExpired(String allocationDate)
+ boolean isSupplyAllocated(int supplyId)
+ boolean isSupplyAllocatedToPerson(int supplyId)
+ void updateSupply(Supply supply)
+ void deleteSupply(int supplyId)
+ void allocateSupply(int supplyId, Integer personId, Integer locationId)
+ boolean isSupplyAtLocation(int supplyId, int locationId)
+ void removeSupplyFromLocation(int supplyId, int locationId)
+ List<Supply> getSuppliesAllocatedTo(Integer personId, Integer locationId)
+ void addLocation(Location location)
+ List<Location> getAllLocations()
+ void updateLocation(Location location)
+ void deleteLocation(int locationId)
+ List<Person> getOccupantsAtLocation(int locationId)
+ void addPersonToLocation(int personId, int locationId)
+ void removePersonFromLocation(int personId, int locationId)
+ void addMedicalRecord(MedicalRecord record)
+ List<MedicalRecord> getAllMedicalRecords()
+ void updateMedicalRecord(MedicalRecord record)
+ List<MedicalRecord> getMedicalRecordsForPerson(int personId)
+ List<MedicalRecord> getMedicalRecordsAtLocation(int locationId)
+ List<Person> getAllPeople()
- Map<Integer, Boolean> getPeopleWithSuppliesMap()
+ Person getPersonById(int personId)
- boolean checkIfPersonHasSupplies(int personId)
- FamilyGroup getFamilyGroupById(int familyGroupId)
+ void addPerson(Person person)
+ void updatePerson(Person person)
+ void deletePerson(int personId)
+ List<Inquiry> getAllInquiries()
+ Inquiry getInquiryById(int inquiryId)
+ void addInquiry(Inquiry inquiry)
+ void updateInquiry(Inquiry inquiry)
+ void deleteInquiry(int inquiryId)
+ int getLargestPersonId()
+ int getLargestInquiryId()
+ int getLargestMedicalRecordId()
- int getLargestIdFromTable(String tableName, String idColumn)
PersonController
- ArrayList<Person> personModels
- int nextPersonIdCounter
- DatabaseManager databaseManager
- ErrorLogger errorLogger = ErrorLogger.getInstance();
- TranslationManager translationManager = TranslationManager.getInstance();
+ PersonController()
- void populatePeopleFromDatabase()
+ ArrayList<Person> getAllPeople()
+ void addPerson(Person person)
+ void updatePerson(Person person)
+ void deletePerson(int personId)
+ void convertToDisasterVictim(int personId)
+ FamilyGroup createFamilyGroup(ArrayList<Person> members)
+ void addPersonToFamilyGroup(int personId, int familyGroupId)
+ void removePersonFromFamilyGroup(int personId)
+ ArrayList<FamilyGroup> getAllFamilyGroups()
+ FamilyGroup findFamilyGroupById(int familyGroupId)
+ ArrayList<Person> getFamilyGroupMembers(int familyGroupId)
+ void deleteFamilyGroup(int familyGroupId)
- void initializeIdCounter()
+ int generatePersonId()
ErrorLogger
- String LOG_FILE_PATH
- ErrorLogger instance
- ErrorLogger()
+ ErrorLogger getInstance()
+ void logError(Exception exception, String context)
+ void logFatalError(Exception exception, String context, String userMessage)
SQLException
Inquiry
- Person inquirer
- DisasterVictim missingPerson
- String dateOfInquiry
- String infoProvided
- Location lastKnownLocation
- int inquiryId
- TranslationManager translationManager
+ Inquiry(Person inquirer, DisasterVictim missingPerson, String dateOfInquiry, String infoProvided, Location lastKnownLocation)
+ String getDateOfInquiry()
+ String getInfoProvided()
+ Person getInquirer()
+ DisasterVictim getMissingPerson()
+ Location getLastKnownLocation()
+ int getInquiryId()
+ void setDateOfInquiry()
setInquiryId
+ void setLastKnownLocation(Location location)
+ void setInfoProvided(String info)
- int generateInquiryId()
Person
- String firstName
- String lastName
- String dateOfBirth
- Gender gender
- String comments
- String phoneNumber
- int personId
- FamilyGroup familyGroup
- ArrayList<MedicalRecord> medicalRecord
- TranslationManager translationManager
+ Person (String firstName, String lastName)
+ Person (String firstName, String lastName, String dateOfBirth)
+ String getFirstName()
+ void setFirstName(String firstName)
+ String getLastName()
+ void setLastName(String lastName)
+ String getDateOfBirth()
+ void setDateOfBirth(String dateOfBirth)
+ int getPersonId()
+ String getComments()
+ String getPhoneNumber()
+ void setPhoneNumber(String phoneNum)
+ void setComments(String comments)
+ String getGender()
+ void setGender(Gender gender)
+ FamilyGroup getFamilyGroup()
+ void setFamilyGroup(FamilyGroup familyGroup)
+ ArrayList<MedicalRecord> getMedicalRecord()
+ void addMedicalRecord(MedicalRecord record)
+ void setMedicalRecords(ArrayList<MedicalRecord> records)
- boolean isValidDateFormat(String date)
- boolean isValidPhoneNumFormat(String phoneNum)
FamilyGroup
- ArrayList<Person> members
- int familyGroupId
- TranslationManager translationManager
- counter
+ FamilyGroup(ArrayList<Person> members)
+ int getFamilyGroupId()
+ void setFamilyGroupId(int familyGroupId)
+ ArrayList<Person> getMembers()
+ void addMember(Person person)
+ void removeMember(Person person)
- int createFamilyGroupId()
TranslationManager
- Map<String, String> TRANSLATIONS = new HashMap<>();
- TranslationManager instance
- TranslationManager()
+ TranslationManager getInstance()
+ void loadTranslations(String filePath)
+ void parseTranslations(String xmlContent)
+ String getTranslation(String key)
+ boolean hasTranslation(String key)
SupplyController
- ArrayList<Supply> supplyModels
- int supplyIdCounter
- DatabaseManager databaseManager
- ErrorLogger errorLogger = ErrorLogger.getInstance();
- TranslationManager translationManager = TranslationManager.getInstance();
+ SupplyController()
+ void populateSuppliesFromDatabase()
+ ArrayList<Supply> getAllSupplies()
+ void addSupply(Supply supply)
+ void updateSupply(Supply supply)
+ void deleteSupply(int supplyId)
+ ArrayList<Supply> getSuppliesAllocatedTo(Integer personId, Integer locationId)
+ void refreshSupplies()
+ void allocateSupply(int supplyId, Integer personId, Integer locationId, Integer fromLocationId)
+ boolean isSupplyAllocated(int supplyId)
- void initializeIdCounter()
+ int generateSupplyId()
IllegalArgumentException
DisasterVictim
- ArrayList<Supply> personalInventory
+ DisasterVictim(String firstName, String lastName)
+ DisasterVictim(String firstName, String lastName, String DOB)
+ void setPersonalInventory(ArrayList<Supply> supplies)
+ ArrayList<Supply> getPersonalInventory()
+ void removeItem(Supply item)
+ void addItem(Supply item)
Location
- String name
- String address
- int locationId
- ArrayList<DisasterVictim> occupants
- ArrayList<Supply> inventory
- TranslationManager translationManager
+ Location(String name, String address)
+ int getLocationId()
+ String getLocationName()
+ void setLocationName(String name)
+ String getLocationAddress()
+ void setLocationAddress(String address)
+ ArrayList<DisasterVictim> getOccupants()
+ void setOccupants( ArrayList<DisasterVictim> occupants)
+ void addOccupant(DisasterVictim occupant)
+ void removeOccupant(DisasterVictim occupant)
+ void allocateItem(DisasterVictim victim, Supply supply)
+ void removeItem(Supply item)
+ void addItem(Supply item)
+ String displayItems()
Supply
- String supplyName
- String supplyType
- int supplyId
- TranslationManager translationManager
+ Supply(String supplyName, String supplyType)
+ String getSupplyName()
+ void setSupplyType()
+ void setSupplyName()
+ String getSupplyType()
+ int getSupplyId()
+ void setSupplyId(int supplyId)
Blanket
+ Blanket(String supplyName, String supplyType)
UserView
- TranslationManager translationManager
- LocationController locationController
- SupplyController supplyController
- MedicalRecordController medicalRecordController
- PersonController personController
- InquiryController inquiryController
- ErrorLogger errorLogger
+ UserView()
+ void displayMenuOptions()
+ void displayPersonDetails()
+ void viewAllPersons()
+ void addNewPerson()
+ void updatePerson()
+ void convertToDisasterVictim()
+ void viewDisasterVictims()
+ void addDisasterVictim()
+ void changePersonFamilyGroup()
+ void displayLocationDetails()
+ void viewAllLocations()
+ void addNewLocation()
+ void updateLocation()
+ void viewLocationOccupants()
+ void addOccupantToLocation()
+ void viewPeopleNotAtAnyLocation()
+ void removeOccupantFromLocation()
+ void displayInquiryDetails()
+ void viewAllInquiries()
+ void addNewInquiry()
+ void updateInquiry()
+ void deleteInquiry()
+ void generateInquiryReport()
+ void displaySupplyDetails()
+ void viewAllSupplies()
+ void addNewSupply()
+ void viewAllocatedSupplies()
+ void viewSuppliesAllocatedToPerson()
+ void viewSuppliesAllocatedToLocation()
+ void updateSupply()
+ void allocateSupply()
+ void displayMedicalRecordDetails()
+ void viewAllMedicalRecords()
+ void addNewMedicalRecord()
+ void updateMedicalRecord()
MedicalRecord
- Location location
- Person person
- String treatmentDetails
- String dateOfTreatment
- int medicalRecordId
- TranslationManager translationManager
+ MedicalRecord(Person person, Location location, String treatmentDetails, String dateOfTreatment)
+ Location getLocation()
+ void setLocation(Location location)
+ Person getPerson()
+ void setPerson(Person person)
+ String getTreatmentDetails()
+ void setTreatmentDetails(String treatmentDetails)
+ String getDateOfTreatment()
+ void setDateOfTreatment(String dateOfTreatment)
+ int getMedicalRecordId()
+ void setMedicalRecordId(int medicalRecordId)
- boolean isValidDateFormat(String date)
PersonalBelonging
- String itemDescription
+ PersonalBelonging(String supplyName, String supplyType, String itemDescription)
+ String getItemDescription()
+ void setItemDescription(String desc)
Cot
- String roomLocation
- String gridLocation
+ Cot(String supplyName, String supplyType, String roomLocation, String gridLocation)
+ String getRoomLocation()
+ String getGridLocation()
+ void setRoomLocation(String rl)
+ void setGridLocation(String gl)
Water
- String allocationDate
+ Water(String supplyName, String supplyType)
+ int getAllocationDate()
+ void setAllocationDate(String date)
FileModel
- String filePath
- String fileContent
- BufferedReader reader
- boolean isFileOpen = false
- ErrorLogger errorLogger
+ void openFile()
+ void closeFile()
+ void readFile()
+ void setFilePath(String filePath)
+ String getFilePath()
+ String getFileContent()
FileNotFoundException
InquiryController
- ArrayList<Inquiry> inquiryModels
- int inquiryIdCounter
- DatabaseManager databaseManager
- ErrorLogger errorLogger = ErrorLogger.getInstance();
- TranslationManager translationManager = TranslationManager.getInstance();
+ InquiryController()
- void populateInquiriesFromDatabase()
+ ArrayList<Inquiry> getAllInquiries()
+ void addInquiry(Inquiry inquiry)
+ void updateInquiry(Inquiry inquiry)
+ void deleteInquiry(int inquiryId)
+ Inquiry getInquiryById(int inquiryId)
+ ArrayList<Inquiry> getInquiriesByInquirer(int personId)
+ ArrayList<Inquiry> getInquiriesByMissingPerson(int personId)
+ void refreshInquiries()
- void initializeIdCounter()
+ int generateInquiryId()
MedicalRecordController
- ArrayList<MedicalRecord> medicalRecordModels
- int medicalRecordIdCounter
- DatabaseManager databaseManager
- ErrorLogger errorLogger = ErrorLogger.getInstance();
- TranslationManager translationManager = TranslationManager.getInstance();
+ MedicalRecordController()
- void populateMedicalRecordsFromDatabase()
+ void addMedicalRecord(MedicalRecord record)
+ void updateMedicalRecord(MedicalRecord record)
+ ArrayList<MedicalRecord> getMedicalRecordsForPerson(int personId)
+ ArrayList<MedicalRecord> getMedicalRecordsAtLocation(int locationId)
+ void refreshMedicalRecords()
- void initializeIdCounter()
+ int generateMedicalRecordId()
LocationController
- ArrayList<Location> locationModels
- DatabaseManager databaseManager
- int locationIdCounter
- ErrorLogger errorLogger = ErrorLogger.getInstance();
- TranslationManager translationManager = TranslationManager.getInstance();
+ LocationController()
- void populateLocationsFromDatabase()
+ ArrayList<Location> getAllLocations()
+ void addLocation(Location location)
+ void updateLocation(Location location)
+ void deleteLocation(int locationId)
+ ArrayList<Person> getOccupantsAtLocation(int locationId)
+ void addPersonToLocation(int personId, int locationId)
+ void removePersonFromLocation(int personId, int locationId)
+ ArrayList<Supply> getSuppliesAtLocation(int locationId)
+ void refreshLocations()
+ Location getLocationById(int locationId)
+ void allocateSupplyToPersonAtLocation(int supplyId, int personId, int locationId)
- void initializeIdCounter()
+ int generateLocationId()