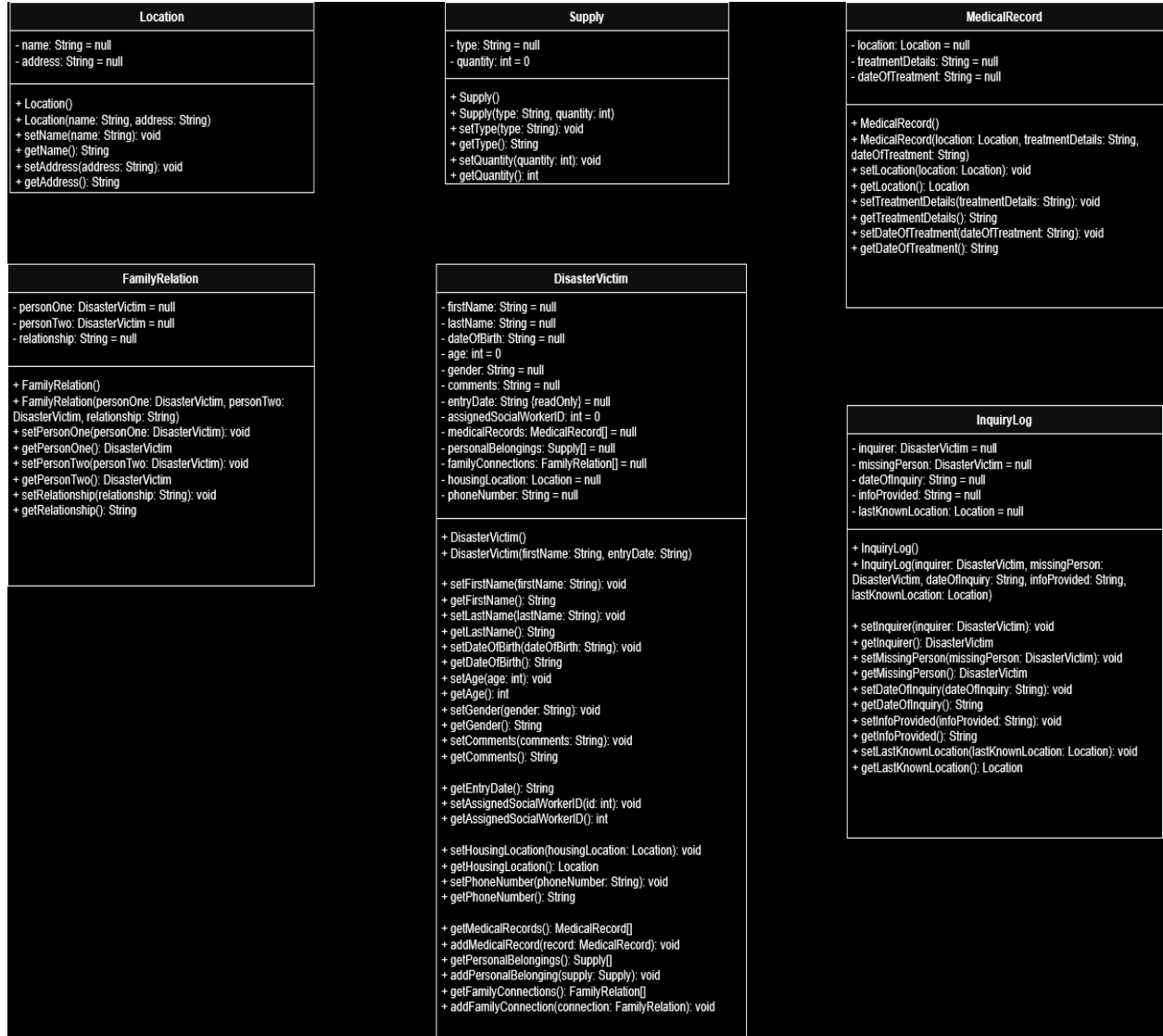


## UML Diagram:



## Sample Data Instantiation

(IDs: Location(#), Supply(#), MedicalRecord(#), DisasterVictim(#), FamilyRelation(#), InquiryLog(#))

### Locations

Location (1): TELUS Convention Centre, 136 8 Ave SE

Location (2): University of Calgary, 2500 University Dr NW

Location (3): Dispatch centre, address null

Location (4): Paris, address null

### Supplies

Supply (1): toiletries kit x1

Supply (2): clothes x2

Supply (3): toiletries kit x1

Supply (4): clothes x2

Supply (5): toiletries kit x1

Supply (6): clothes x2

Supply (7): toiletries kit x1

Supply (8): toiletries kit x1

### MedicalRecords

MedicalRecord (1): loc Location(1); broken arm treated; 2025-01-18

MedicalRecord (2): loc Location(2); twisted ankle; 2025-01-18

MedicalRecord (3): loc Location(2); light burns; 2025-01-18

MedicalRecord (4): loc Location(2); pernicious anemia; 2025-01-18

### DisasterVictims

DisasterVictim (1): Teruya; age 5; boy; entry 2025-01-18; SW 2891; housed Location(1); MR(1)

DisasterVictim (2): Freda McDonald; DOB 1986-06-03; woman; entry 2025-01-18; housed Location(2); MR(2),(3); Supply(1),(2)

DisasterVictim (3): Joseph Bouillon; DOB 1988-05-03; calling from Paris; seeking wife+kids

DisasterVictim (4): Cornelia ten Boom; DOB 1972-04-15; entry 2025-01-18; housed Location(2); Supply(3),(4); volunteer

DisasterVictim (5): Elisabeth ten Boom; DOB 1965-08-19; entry 2025-01-18; housed Location(2); MR(4); Supply(5),(6); volunteer

DisasterVictim (6): Casper ten Boom; DOB 1949-05-18; entry 2025-01-18; housed Location(2)

DisasterVictim (7): Hans Massaquoi; DOB 2020-01-19; boy; entry 2025-01-19; housed Location(2); Supply(7)

DisasterVictim (8): Bertha Nikodijevic; DOB 1993-05-10; woman; entry 2025-01-19; housed Location(2); Supply(8)

DisasterVictim (9): Jari Bouillon; missing

DisasterVictim (10): Luis Bouillon; missing

### FamilyRelations

FamilyRelation (1): DV2 spouse DV3

FamilyRelation (2): DV2 parent DV1

FamilyRelation (3): DV2 parent DV9

FamilyRelation (4): DV2 parent DV10

FamilyRelation (5): DV4 sibling DV5

FamilyRelation (6): DV6 parent DV4

FamilyRelation (7): DV6 parent DV5

FamilyRelation (8): DV8 parent DV7

FamilyRelation (9): DV3 parent DV1

FamilyRelation (10): DV3 parent DV9

FamilyRelation (11): DV3 parent DV10

### InquiryLog

InquiryLog (1): inquirer DV1; 2025-01-18; TELUS intake + MR1 + SW2891; lastKnown Location(1)

InquiryLog (2): inquirer DV2; missing DV9; 2025-01-18; looking for Teruya/Jari/Luis; lastKnown Location(2)

InquiryLog (3): inquirer DV4; 2025-01-18; arrived w/ sister+father; volunteer; anemia noted; lastKnown Location(2)

InquiryLog (4): inquirer DV8; 2025-01-19; entered w/ Hans; no injuries; kit issued; lastKnown Location(2)

InquiryLog (5): inquirer DV3; missing DV2; 2025-01-19; called from Paris re wife+kids; lastKnown Location(4)