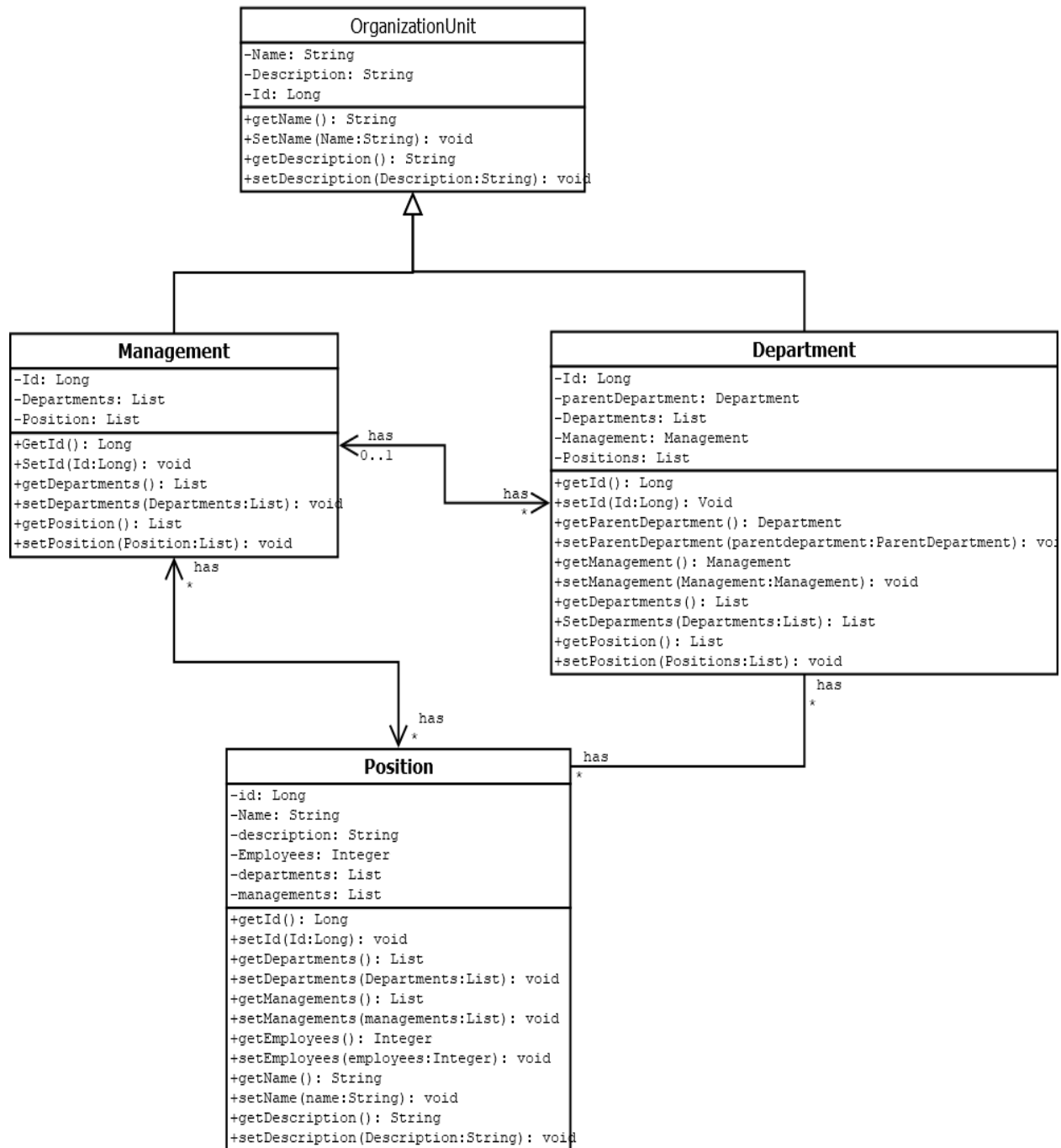
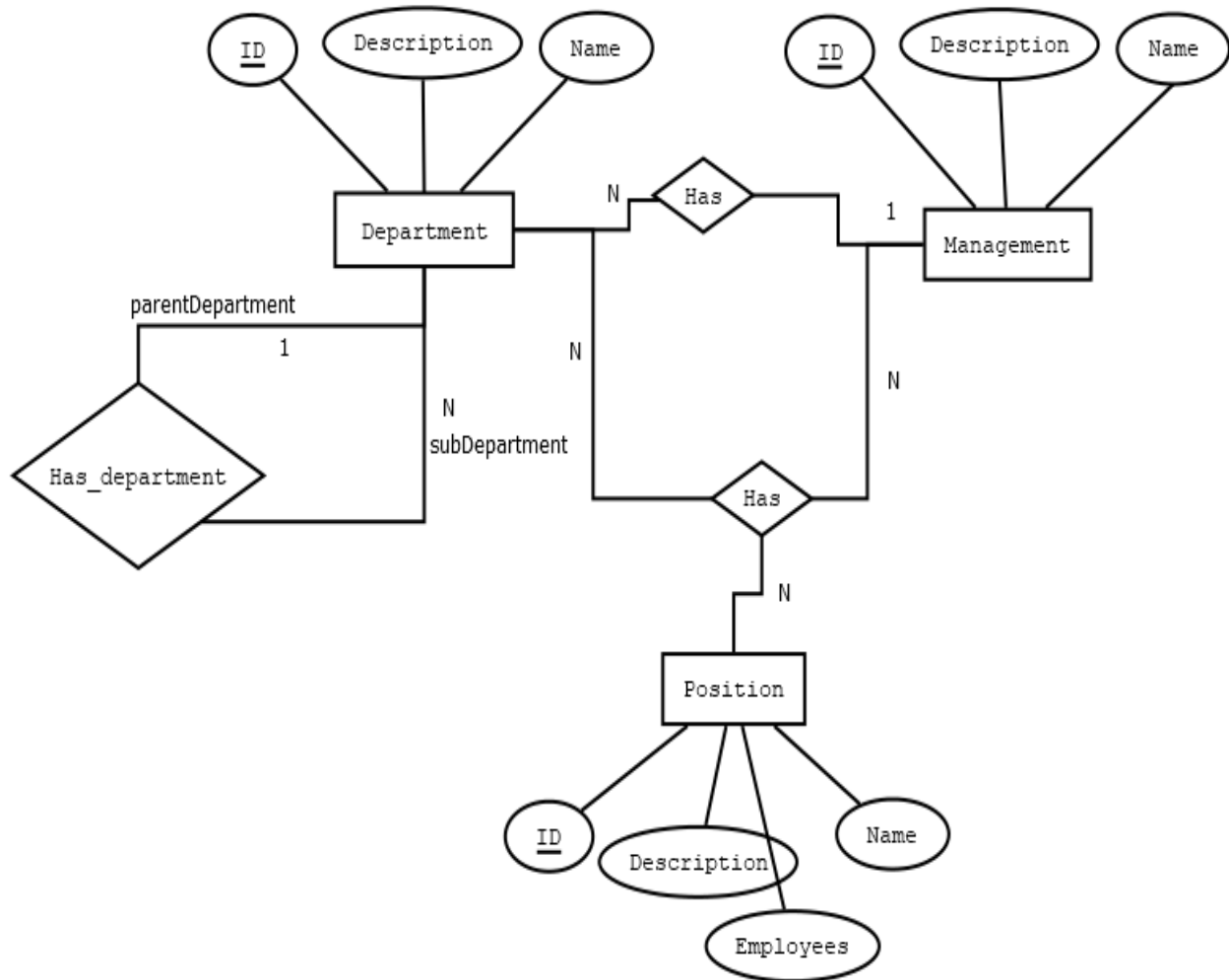


# Java Diagram



# SQL Diagram



# Data Definition Language

```
CREATE TABLE DEPARTMENT(  
    "ID" BIGINT NOT NULL,  
    "DESCRIPTION" VARCHAR(255),  
    "NAME" VARCHAR(255),  
    "MANAGEMENT_ID" BIGINT,  
    "PARENT_DEPARTMENT_ID" BIGINT  
);  
ALTER TABLE DEPARTMENT ADD CONSTRAINT PRIMARY KEY("ID");  
  
CREATE TABLE DEPARTMENT_POSITION(  
    "DEPARTMENTS_ID" BIGINT NOT NULL,  
    "POSITION_ID" BIGINT NOT NULL  
);  
  
CREATE TABLE "MANAGEMENT"(  
    "ID" BIGINT NOT NULL,  
    "DESCRIPTION" VARCHAR(255),  
    "NAME" VARCHAR(255)  
);  
ALTER TABLE MANAGEMENT ADD CONSTRAINT PRIMARY KEY("ID");  
  
CREATE TABLE MANAGEMENT_POSITION(  
    "MANAGEMENTS_ID" BIGINT NOT NULL,  
    "POSITION_ID" BIGINT NOT NULL  
);  
  
CREATE TABLE POSITION(  
    "ID" BIGINT NOT NULL,  
    "EMPLOYEES" INTEGER,  
    "NAME" VARCHAR(255),  
    "DESCRIPTION" VARCHAR(255)  
);  
ALTER TABLE POSITION ADD CONSTRAINT PRIMARY KEY("ID");  
  
ALTER TABLE MANAGEMENT_POSITION ADD CONSTRAINT FOREIGN KEY("POSITION_ID") REFERENCES POSITION("ID") NOCHECK;  
ALTER TABLE DEPARTMENT ADD CONSTRAINT FOREIGN KEY("MANAGEMENT_ID") REFERENCES MANAGEMENT("ID") NOCHECK;  
ALTER TABLE MANAGEMENT_POSITION ADD CONSTRAINT FOREIGN KEY("MANAGEMENTS_ID") REFERENCES MANAGEMENT("ID") NOCHECK;  
ALTER TABLE DEPARTMENT_POSITION ADD CONSTRAINT FOREIGN KEY("DEPARTMENTS_ID") REFERENCES DEPARTMENT("ID") NOCHECK;  
ALTER TABLE DEPARTMENT ADD CONSTRAINT FOREIGN KEY("PARENT_DEPARTMENT_ID") REFERENCES DEPARTMENT("ID") NOCHECK;  
ALTER TABLE DEPARTMENT_POSITION ADD CONSTRAINT FOREIGN KEY("POSITION_ID") REFERENCES POSITION("ID") NOCHECK;
```