Schéma relationnel `COMPANY`

Attribut	Type	Null	Signification
fname	varchar(15)	No	Employee's first name
minit	char(1)	Yes	Employee's middle name
lname	varchar(15)	No	Employee's last name
<u>ssn</u>	char(9)	No	Employee's social security number
bdate	date	Yes	Employee's birth date
address	varchar(30)	Yes	Employee's address
sex	char(1)	Yes	Employee's sex
salary	decimal(10,2)	Yes	Employee's salary
super_ssn	char(9)	Yes	Employee's supervisor's Ssn
dno	integer	No	Employee's department number

TABLE 1 – Table `employee`

Attribut	Type	Null	Signification
dname	varchar(15)	No	Department name
<u>dnumber</u>	integer	No	Department number
mgr_ssn	char(9)	No	Department manager's Ssn
mgr_start_date	date	No	Manager's start date

TABLE 2 – Table `department`

Attribut	Type	Null	Signification
<u>dnumber</u>	integer	No	Department number
<u>dlocation</u>	integer	No	Department location

TABLE 3 – Table `dept_location`

Attribut	Type	Null	Signification
pname	varchar(15)	No	Project name
<u>pnumber</u>	integer	No	Project number
plocation	integer	Yes	Project location
dnum	integer	No	Department number

TABLE 4 – Table `project`

Attribut	Type	Null	Signification
essn	char(9)	No	Employee's SS number
pno	integer	No	Project number
hours	decimal(3,1)	No	Project hours

Table 5 – Table `works_on`

Attribut	Type	Null	Signification
essn	char(9)	No	Employee's Ssn
dependent_name	varchar(15)	No	Dependent's name
sex	char(1)	Yes	Dependent's sex
bdate	date	Yes	Dependent's birth date
relationship	varchar(8)	Yes	Employee-dependent relationship

Table 6 – Table `dependent`

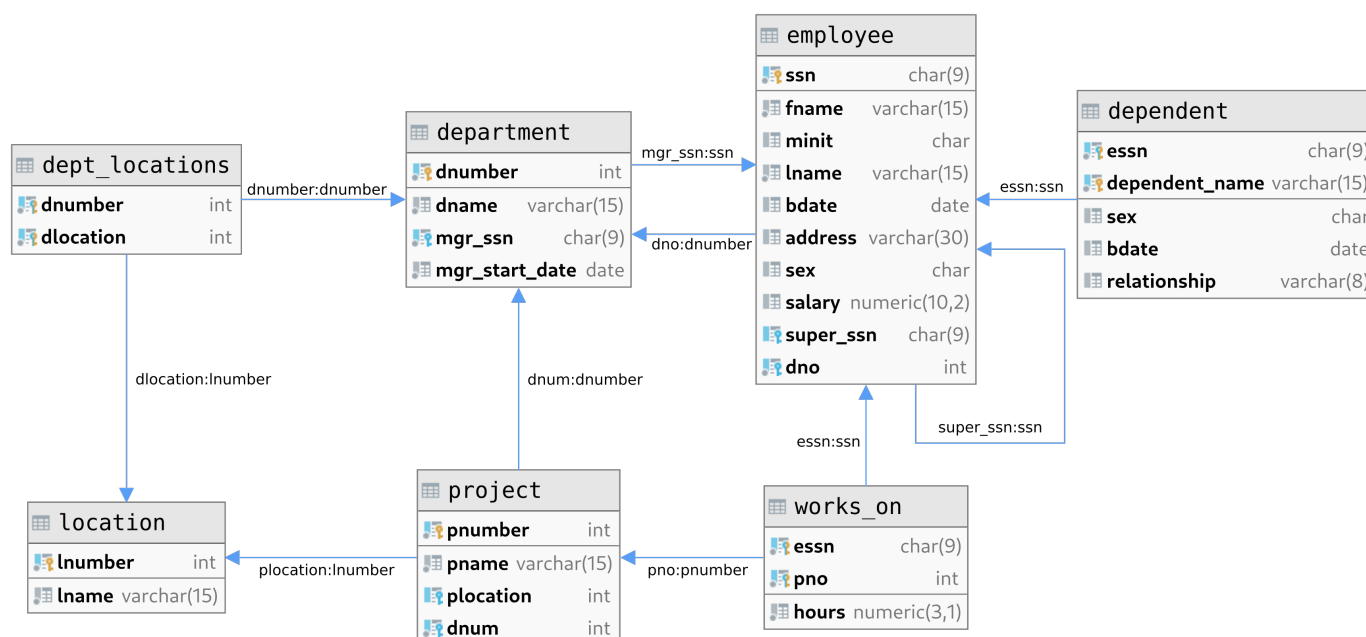| Attribut	Type	Null	Signification
lnumber	integer	No	Location number
lname	varchar(15)	No	Location name

Table 7 – Table `location`

Figure 1 – Contraintes d'intégrité référentielle