Appendices

Bijlage A

VIVES Voorbeelddatabank

In Tabel A.1 kan je de VIVES voorbeelddatabank vinden. Figuur A.1 toont het overeenkomstige ER diagram.

Employee

surname	name	id_employee	birthdate	sex	pay	id_supervisor	id_department
Acx	Johan	6541	15-jan-1963	M	5222,62	7365	2
Desplenter	Marc	4379	19-feb-1962	M	5202,88	7365	2
Ketels	Bavo	8167	12-apr-1988	M	4602,88	7365	2
Vandenbussche	Arne	7365	29-feb-1968	M	5478,94	9876	2
Haegeman	Wim	1234	31-dec-1970	M	6718,40	7582	5
Hindryckx	Joris	7582	1-jan-1960	M	8197,34	null	1
Beyls	Katrien	6741	null	V	4478,94	7365	2
De Langhe	Johan	9876	15-apr-1969	M	6214,19	7582	2
Selis	Noel	3456	20-aug-1968	M	6214,19	7582	9
Dekocker	Veerle	6543	15-nov-1974	V	5966,30	7582	4

Department

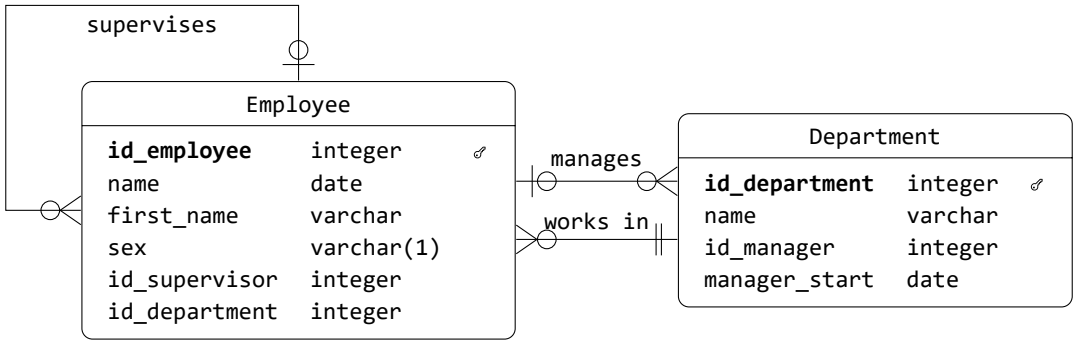
id_department	name	id_manager	manager_start
5	IWT	1234	01-sept-2013
1	VIVES	7582	01-sept-2012
9	OND	3456	01-sept-2015
2	HWB	9876	01-sept-2012
4	SAW	6543	01-sept-2014

Tabel A.1: VIVES voorbeelddatabank

De nodige DDL en DML statements om dit op te bouwen kan je vinden in Listings A.1, A.2 en A.3.

```
drop table employee cascade;
drop table department cascade;

create table employee (
  surname varchar(25) not null,
  name varchar(25)  not null,
  id_employee integer constraint pk_employee primary key,
  birthdate date,
  sex varchar(1) constraint employee_sex_check check (sex = 'M' or sex='V'),
  pay numeric  not null,
```



Figuur A.1: ERD diagram van de VIVES voorbeelddatabank

```
  id_supervisor integer,
  id_department integer not null
);

create table department (
  id_department integer constraint pk_department primary key,
  name varchar(20) not null,
  id_manager integer,
  manager_start date not null
);
```

Listing A.1: create_table_vives.sql

```
insert into employee values ('Acx', 'Johan', 6541, '15-jan-1963', 'M', 5222.62,
     7365, 2);
insert into employee values ('Desplenter', 'Marc', 4379, '19-feb-1962', 'M',
    5202.88, 7365, 2);
insert into employee values ('Ketels', 'Bavo', 8167, '12-apr-1988', 'M',
    4602.88, 7365, 2);
insert into employee values ('Vandenbussche', 'Arne', 7365, '29-feb-1968', 'M',
     5478.94, 9876, 2);
insert into employee values ('Haegeman', 'Wim', 1234, '31-dec-1970', 'M',
    6718.40, 7582, 5);
insert into employee values ('Hindryckx', 'Joris', 7582, '1-jan-1960', 'M',
    8197.34, null, 1);
insert into employee values ('Beyls', 'Katrien', 6741, null, 'V', 4478.94,
    7365, 2);
insert into employee values ('De Langhe', 'Johan', 9876, '15-apr-1969', 'M',
    6214.19, 7582, 2);
insert into employee values ('Selis', 'Noel', 3456, '20-aug-1968', 'M',
    6214.19, 7582, 9);
insert into employee values ('Dekocker', 'Veerle', 6543, '15-nov-1974', 'V',
    5966.30, 7582, 4);

insert into department values (5, 'IWT', 1234, '01-sep-2013');
insert into department values (1, 'VIVES', 7582, '01-sep-2012');
insert into department values (9, 'OND', 3456, '01-jan-2015');
insert into department values (2, 'HWB', 9876, '01-sep-2012');
insert into department values (4, 'SAW', 6543, '01-sep-2014');
```

Listing A.2: populate_vives.sql.sql

```
alter table employee
    add constraint fk_works_in foreign key (id_department) references
    department;
alter table employee
```

```
4     add constraint fk_supervises foreign key (id_supervisor) references
      employee;
5 alter table department
6     add constraint fk_manages foreign key (id_manager) references employee;
```

Listing A.3: fk_constraints_vives.sql