

Домашно 4. Преобразуване от E/R към XML

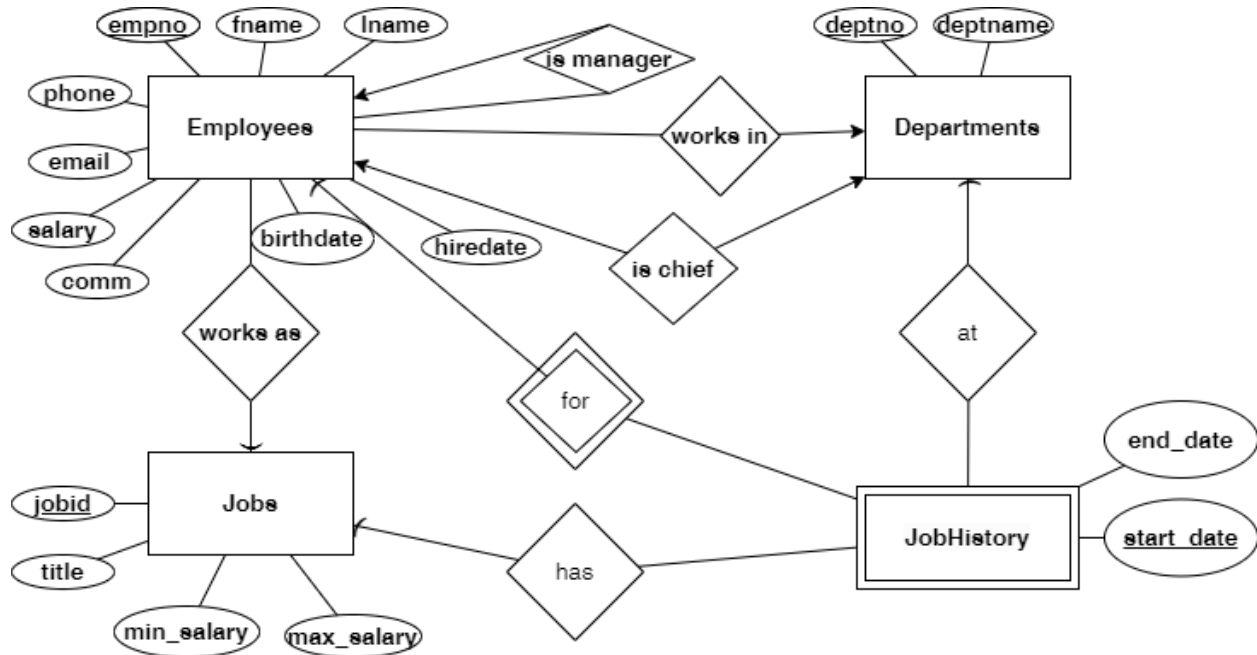


Схема на базата от данни (в полуструктуриран модел на данни):

REL

Employees (empno, fname, lname, birthdate, hiredate, phone, email, salary, comm, jobid, deptno, mgrno)

Departments (deptno, deptname, empno_mgr)

Jobs (jobid, title, min_salary, max_salary)

JobHistory (empno, start_date, end_date, jobid, deptno)

XML

```
<company>
```

```
<dept deptno="A01" mgrno="000001" deptname="Administration">
```

```
<employee empno="000001">
```

```
<fname>John</fname>
```

```
<lname>Doe</lname>
```

```
<phone>408 555 1212</phone>
```

```
<bdate>1990-01-04</bdate>
```

```
<hdate>2012-03-01</hdate>
```

```
<email>jhdoe@compsys.bg</email>
```

```
<salary>6000</salary>
```

<comm>20</comm>

<jobh>

<job deptno="B01">

<title>Business analyser</title>

<sdate>2000-01-01</sdate>

<edate>2010-02-01</edate>

<minsal>4000</minsal>

<maxsal>10000</maxsal>

</job>

<job deptno="A01">

<title>Admin</title>

<sdate>2010-02-01</sdate>

<edate><null/></edate>

<minsal>5000</minsal>

<maxsal>10000</maxsal>

</job>

</jobh>

</employee>

<employee empno="000002">

<fname>Jane</fname>

<lname>Doe</lname>

<phone>408 555 1312</phone>

<bdate>1988-04-03</bdate>

<hdate>2015-03-01</hdate>

<email>jndoe@compsys.bg</email>

<salary>4000</salary>

<comm>30</comm>

<jobh>

<job deptno="C01">

<title>Coder</title>

<sdate>2010-01-01</sdate>

<edate>2012-02-01</edate>

<minsal>3000</minsal>

<maxsal>7000</maxsal>

</job>

<job deptno="A01">

<title>Admin</title>

<sdate>2012-02-01</sdate>

<edate><null/></edate>

<minsal>5000</minsal>

<maxsal>10000</maxsal>

</job>

</jobh>

</employee>

</dept>

</company>