

Data Model

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Abstract

This document implements the Data Model.

1 Data Model Description

1. The company is organized into departmen.
Each deparment has a unique **name**, a unique **number**
and a particular employee who **manages** the department. we keep track
of the **start date**when that employee began mangin the deparment
A deparment may have several **locations**
2. A deparment **controls** a number of projects, each of whicj has a unique
name, a unique **number**, and a single **locations**
3. The database will store each employee's **name**,**Social Security number**,**address**,
salary, **sex (gender)**, and **birth date**.
An employee **is assigned** to one department, but may **work** on several
projects, which are not necessarily controlled by the same department. It
is required to keep track of the cur- rent **number of hours per week** that
an employee works on each project
***as well as the direct **supervisor** of each employee (who is another em-
ployee)***.

2 E-R Model

Data Model ...

3 Relational Model

Data Model Relational Model

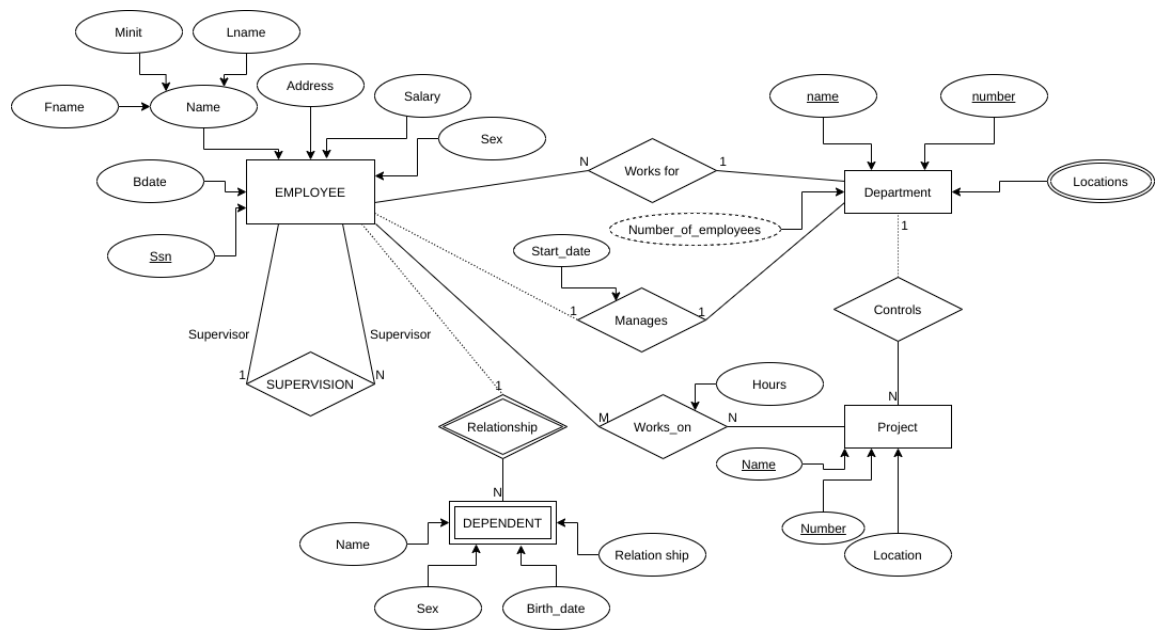


Figure 1: data model E-R Model