Data Model

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Abstract

This document implements the Data Model.

1 Data Model Desciption

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 datewhen 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

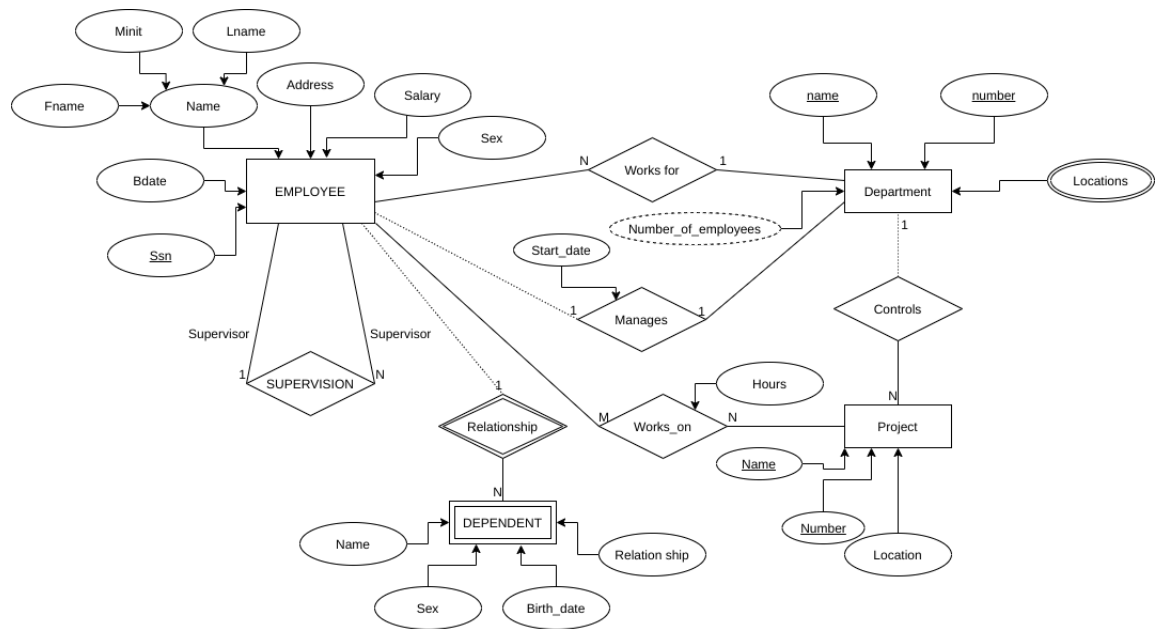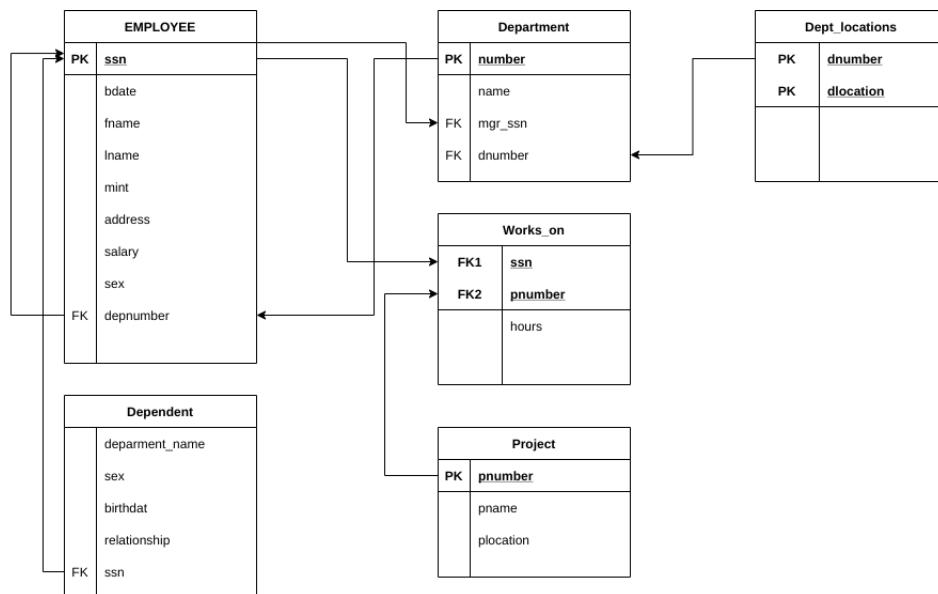Data Model ...

3 Relational Model

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Figure 1: data model E-R Model

Figure 2: data model Relation Model