Free Diagram Documentation

Link to schema: https://app.quickdatabasediagrams.com/#/d/Q3djkX

departments

Simple Conceptual ERD

Field	Description	Type	Default	Other
dept_no	The department number.	VARCHAR(10)		PK
dept_name	The name of the department.	VARCHAR(10()		

employees

Field	Description	Type	Default	Other
emp_no	The employee number.	INTEGER		PK
birth_date	The employee's birthday.	DATE		
first_name	The employee's first name.	VARCHAR(30)		
last_name	The employee's last name.	VARCHAR(30)		
gender	The employee's gender.	VARCHAR(1)		
hire_date	When the employee was hired.	DATE		

dept_emp

Field	Description	Type	Default	Other
emp_no	employee can belong to one or many departments. So, this is a one or many(dept_emp) to one (employee) relationship	INTEGER		FK
dept_no	dept_emp can belong to one or many departments. And a department can have one or many dept_emp So, this is a many (department) to many(dept_emp) relationship.	VARCHAR(10)		FK
from_date	When employee started working in department.	DATE		
to_date	When employee stopped working in department.	DATE		

dept_manager

Field	Description	Type	Default	Other
dept_no	dept_manager can belong to one or many departments. And a department can have one or many dept_manager So, this is a many (department) to many(dept_manager) relationship.	VARCHAR(10)		FK
emp_no	employee can be manager of zero, one, or many departments or be manager of different departments over time. So, this is a zero or many (dept_manager) to one (employees) relationship.	INTEGER		FK
from_date	When manager started working in department.	DATE		
to_date	When manager stopped working in department.	DATE		

salaries

Field	Description	Type	Default	Other
emp_no	employee can have one or many salary numbers over time. So, this is a one or many (salaries) to one (employee) relationship.	INTEGER		FK
salary	The employee's salary.	INTEGER		
from_date	When employee started earning this salary.	DATE		
to_date	When employee stopped earning this salary.	DATE		

titles

Field	Description	Type	Default	Other
emp_no	employee can have one or many titles so, this is a one or many (titles) to one (employee) relationship.	INTEGER		FK
title	The employee's job title.	VARCHAR(30)		
from_date	When employee started having this job title.	DATE		
to_date	When employee stopped having this job title.	DATE		