Departments and Employees Have One to Many relationship (many employees can be in the same department, but an employees can be in only one Department).

The employees table has a self-relationship because the Manager is an employee. If an employee is a manager who has no manager, than the field Manager ID is null.

Projects and Employees have many to many relationship thus there’s an additional table (Employees Projects) which stores the information about those relationships and also the additional data needed for every (start date and end date). The additional table has a composite primary key related with each of the tables.

Employees and reports have one to many relationship. One employee has many reports (for each day of work). Additionally the report has both time and data, so you can gather information on whatever you need. It could also be a combined Date Time.

The department has an unique index constraint on its name.