Task 3

A group of companies would like to create a common database to store information about departments, employees assigned to departments and managers of the departments.

Each company consists of a several departments. A name of a department uniquely identifies a department within a company, however, it is possible that two or more companies have departments with the same name. A department consists of several employees and each employee is a member of exactly one department.

One of the employees in a department is assigned as a manager. Each department has a at most one manager and it is possible that for a certain period of time a department has no manager. A manager is described by a data when he/she has been assigned as a manager. A manager manages exactly one department.

Each company is described by unique name, unique email address, unique address and zero or more phone numbers. An address consists of city name, street name, and building number.

Departments work on one or more projects. A project is described by a title. Additionally departments are described by a budget.

An employee has a unique employee number within all companies and it is described by first name, last name, salary, skills possessed and phone numbers. An employee must have at least one skills and it does not need to have any phone numbers.