

Develop an ER diagram for a company XYZ, from the following requirements using the ER model

Q1. Develop an ER diagram for a company XYZ, from the following requirements using the ER model concepts discussed in class.

- XYZ has departments, which have a unique name, a unique identifier, one director but the department can be in several locations. XYZ tracks the date a director assumed responsibility for directing the department.
- Each department manages a set of projects, which have a unique name, a unique identifier and are in a single location.
- XYZ tracks each employee's name, social security number, address, salary, gender, and birthdate.
- Each employee has one direct department supervisor.
- Employees are members of one department, but may be members of multiple projects and those projects can be managed by multiple other departments.
- XYZ tracks the hours each employee works on each project.
- Employees have zero, one or more dependents and XYZ tracks dependent first name, gender, birthdate, and relationship to employee.