**Case Study**

* Each employee may be assigned to one and only one department. Some employees may not be assigned to any department. The employee data is stored in the employee entity.
* Each department could have many employees assigned to it. Some departments may not have any employees assigned to them. The department data is stored in the department entity.
* Each employee may have one and only one job title. Under certain circumstances, some employees may not be assigned a job title.
* Each job title may be assigned to many employees. Some job titles may not be assigned to any employees. The job data is stored in the job entity.
* Each employee may be assigned to many projects. Sometimes an employee may be off work and is not assigned to any projects.
* Each project must be assigned to at least one employee. Some projects may have several employees assigned to them. The project data is stored in the project entity

ERD:

Note: Data type column is optional. No need to draw unless otherwise it mention in definition

