**Identifying Entities, Attributes & Relationships**

**Learning goal: understanding how identify entities their attributes and relationships between entities.**

McFarm’s company comprise several departments. Each department employs a number of employees, but employees can only work for one department. The company name, address email and telephone number are stored. Department details comprise department name, code and budget. Employees, name, id, date of birth, title and start date are stored.

**Step 1 – Identify Entities**

List all the entities described in the scenario.

* CompanyDetails
* Department
* Employee

**Step 2 – Identify Attributes & Relationships**

List each entity and its attributes

CompanyDetails:

* Name
* Address
* Email
* TelephoneNumber

Department:

* Name
* Code – primary key
* Budget

Employee:

* Name
* Id – primary key
* DateOfBirth
* Title
* StartDate

**Step 3 – Identify Relationships**

Identify the relationships between entities.

One Department has many employees

One employee has one department.