

## **Assignment 1 Entity-Relationship Diagram (ERD)**

1. Please draw an ERD from the following descriptions

The BusyBee Cleaning Company specializes in providing cleaning services for both domestic and commercial clients. Each type of client has a set of requirements. For example, the Cardboard Box Company requires cleaning services from Monday to Friday at 7AM through 9AM and 5PM through 7PM each day, but P. Nuttall only requires cleaning services on Wednesday from 10AM to 1PM.

Whenever a new client is taken on, a BusyBee administrator assesses how many cleaning staffs are required for the premises prior to assigning any staff to the job. Note that this is the ideal number, but it may differ in practice. In addition, the administrator also assesses whether any specialist equipment is required and when. For example, three industrial floor cleaners may be needed on two out of five occasions for one commercial client.

The cleaning staffs work in groups of six, with a supervisor to oversee the work done. The other staff are administrative staff who manage the day-to-day office work including visiting new clients and ensuring the specialist equipment is properly maintained.

### **Grading Criteria**

1. No Submission: deduct -20 points
2. Partial submission: deduct -10 points
3. If every entity is not correctly identified: deduct -2 points per each entity
4. If every relationship is not correctly identified: deduct -2 points per each relationship
5. If either entity or relationship is partially correct: deduct -1 point

**Due date: By 11:59PM, 02/09/2020**