

Group 1 (Crystal, John, Patrick)

ITD 260-H01B

Project 1

TCS Business Rules

Relationships:

1. Zero or many employees can work in a region, but only one region can be attributed to an employee.
2. Zero or many customers can live in one and only one region.
3. A single manager or employee can manage zero or many projects.
4. A single employee has zero or many Skills, and a single skill can be possessed by zero or many employees.
5. A single customer can contract zero or many projects.
6. A single Task requires one or many skills, and a single skill can be applied to zero or many tasks.
7. There is zero or many specific tasks attached to zero or one project.
8. A single employee can be given zero or many assignments.
9. A single project produces zero or many bills.
10. A single assignment contains zero or many work logs.
11. Zero or one bill is related to zero or many work logs.
12. A single customer pays one or many bills.
13. Zero or a single task can be divided into zero or many assignments.

Constraints:

1. An employee can only work on a customer's project within his/her own region.
2. An employee can only work on a single project task within a given timeframe.
3. Work log entries are filled out only on Fridays or at the end of the month.