**Object CBD Company:**

name

Status enum{“close”, “open”}

Employees List -(1:n)

Customers List -(1:n)

Projects List -(1:n)

contact information // ex: phone number

equipment list // ex: computers -(1:n)

schedule // the open hours of the company

**Object Employee**

Name

Employee ID number // ID

Status enum{“on vacation”, “available”, “unavailable”}

Type enum{“programmer”, “clerical worker”, “saleman”}

Phone Number

Email

Address

weeklyEarning(?)

Company // a reference to the CBD Company object -(n:1)

**Object Salesman inherit Employee**

Commission Rate

Customer Projects List // the list of projects have been accepted in this week for the

// salesman -(1:n)

**Object Programmer inherit Employee**

Hourly Rate

Weekly Working Hours // the total hours he works for this week

Time Log // it contain a list time log entries in which the weekly time log filled by the

programmer -(1:n)

Overhead project // a reference to the overhead project -(n:1)

**Object Clerical Worker inherit Employee**

Hourly Rate

Weekly Working Hours // the total hours he works for this week

Overhead Project // a reference to the overhead project -(N:1)

**Object Project**

ProjectName

Invoice number // ID

Type enum{“Customer Project”, “Overhead Porject”}

Status enum{“proposed”, “completed”, “closed”, “stopped”, “waiting”, “insolvent”, “solvent”}

CBD Company // a reference to the CBD company -(N:1)

Project Balance

Total Weekly Charge(?)

**Object Customer Project inherit Project**

Time Log // a list of time log entries of the programmers working on the project -(1:N)

Customer // a reference to the customer who requests the project -(N:1)

Salesman // if the project has not been accepted, it points to the salesman who sells the

project -(N:1)

Estimated Cost // the cost estimated by the architurer and programmers

customer contact

**Object Overhead Project inherit Project**

Clerical Worker List // the list of Clerical Workers who work on the project

Programmer List

**Object Customer**

Business Name // ID

Status enum{“active”,”non-active”,owing”}

Customer Project List -(1:N)

CBD Company // a reference to the CBD Company -(N:1)

Address // Unique Address

Contact information

**Object Time Log Entry**

ID // the id of the time log

Programmer // a reference to the programmer

Customer Project // a reference to the customer project

Date // ex: week 10, 2017

Total Weekly Hours

weekly project charge(?)