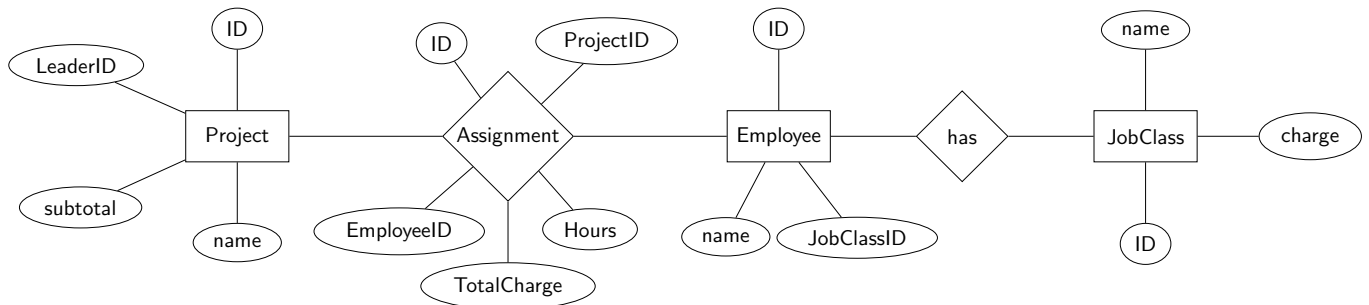


## COMP3700 Activity 5

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### 1. Draw entity-relationship diagram



### 2. Convert to schema (relations with attributes and keys)

- Project (ProductID, name, subtotal, ProjectLeaderID)
- Employee (EmployeeID, name, JobClassID)
- JobClass (JobID, name, chargePerHour)
- Assignment (AssignID, ProjectID, EmployeeID, HoursBilled, TotalCharge)

### 3. Write SQL code to define those tables

```
CREATE TABLE Project (  
    ProjectNum int NON NULL primary key,  
    ProjectName varchar(100),  
    Subtotal float,  
    ProjectLeaderID int  
);  
  
CREATE TABLE Employee {  
    EmployeeNum int NON NULL primary key,  
    EmployeeName varchar(100),  
    JobID int  
};  
  
CREATE TABLE Job {  
    JobID int NON NULL primary key,  
    JobClass varchar(100),  
    ChargePerHour float,  
};  
  
CREATE TABLE Assignment {  
    AssignID int NON NULL primary key,
```

```
ProjectNum int.  
EmployeeNum int,  
Hour
```

4. Write SQL to insert the data into those tables