

Pacific Rock Restaurant Employee Database Design

Given the following business scenario, create an EERD using an inheritance, if appropriate:

Pacific Rock Restaurant keeps information on employees and the departments in which they work. An employee must have **exactly one department** and **no more than one**. A department has a department name and postal address.

Employees must be 1 of the following 3 types:

- Salary
- Hourly
- Contract

All employees, regardless of the type will have an employee number, name, birth date and address.

Salaried employees are paid a fixed amount monthly. Also, salaried employees are the only employees that the company will pay an additional percent of their monthly pay to a retirement fund. This retirement percent varies between salaried employees.

Hourly employees are paid on an hourly wage (which varies depending on position and seniority).

Some (but not all) hourly employees will get a tip. Tips that employees make are pooled and redistributed to employees that receive tips. Some tipped employees earn a higher portion of the tips, as recorded by their tip multiplier (a tipped employee with a multiplier of 2 will earn twice the tips than someone with a multiplier of 1). Only hourly employees can receive tips.

For employees that work on projects such as renovations, repairs or other short-term projects, they work on contract. Contract employees provide a quote amount and an estimated completion_date for each project they work on.

Draw an Entity Relationship Diagram (ERD) to represent this database.

Add the attributes to each entity.

Ensure each table has an appropriate primary key. Indicate all applicable foreign keys.

Indicate all applicable inheritance relationships - including disjoint/overlapping and partial/full references.

Name: _____

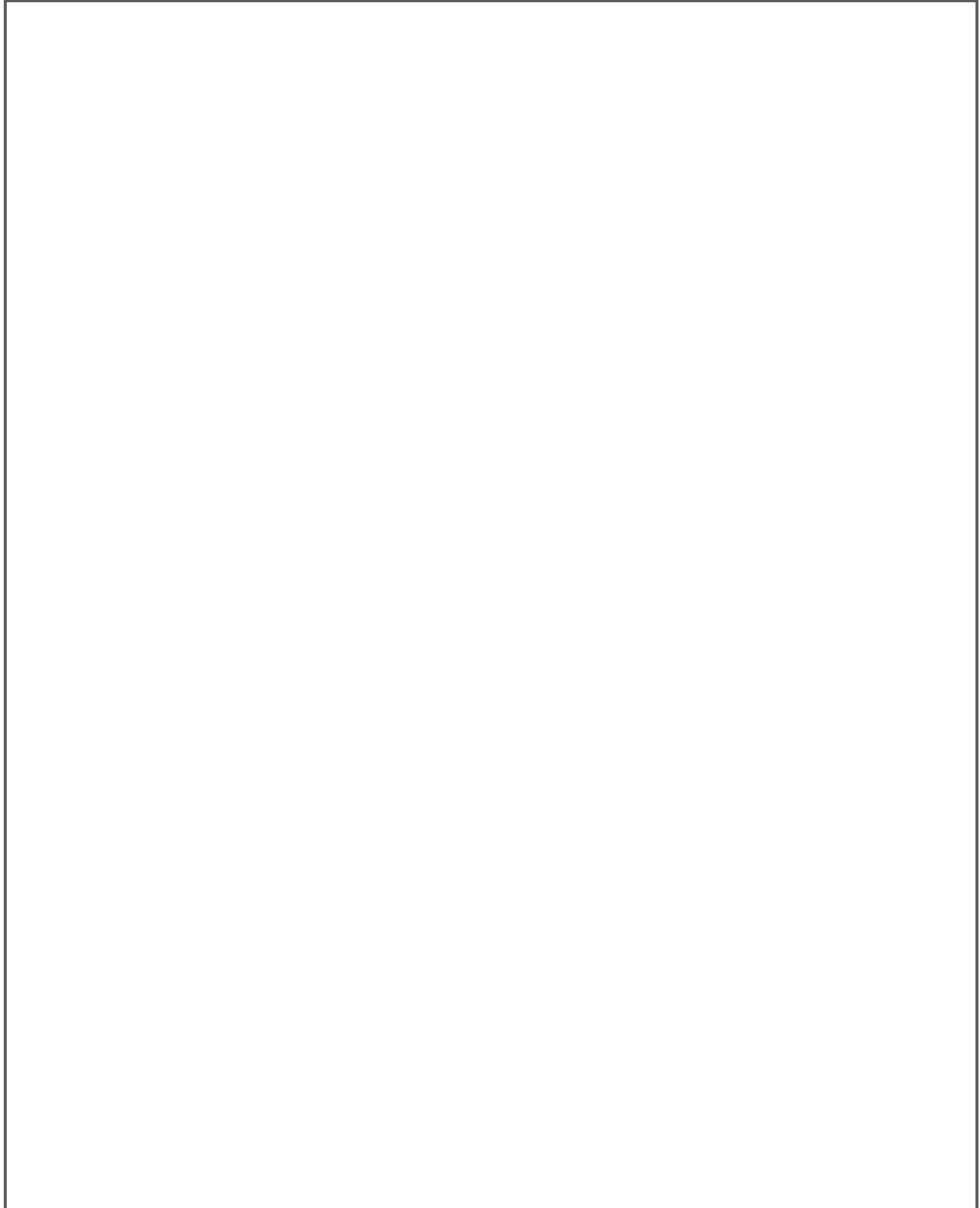
Student #: _____

Name: _____

Student #: _____

Draw your ERD here:

[/10 marks]

A large empty rectangular box with a thin black border, intended for drawing an Entity-Relationship Diagram (ERD). The box occupies the majority of the page below the header section.