**CRC Cards**

**CRC (Class-Responsibility-Collaborator) cards** are used to outline the responsibilities of a class and its collaborators:

**Class: PayrollSystem**

* **Responsibilities:**

Generate individual payslips.

Manage the overall payroll processing by handling employees, deductions, taxes, and payroll claims.

Calculate total carry-over pay and manage tax applications.

* **Collaborators:**

Employee

Deductions

Tax

PayrollClaim

**Class: Employee**

* **Responsibilities:**

Store basic employee details (ID, name, title, points, gross pay).

Calculate gross pay.

* **Collaborators:**
  + FullTimeEmployee
  + PayrollSystem

**Class: FullTimeEmployee (Subclass of Employee)**

* **Responsibilities:**

Store annual rate for full-time employees.

Calculate gross pay specific to full-time employees.

Handle promotions using pay scales.

* **Collaborators:**

Employee

PayrollSystem

**Class: PartTimeEmployee (Subclass of Employee)**

* **Responsibilities:**

Store annual rate for Part-time employees.

Calculate gross pay specific to full-time employees.

* **Collaborators:**

Employee

PayrollSystem

**Class: Deductions**

* **Responsibilities:**

Store deduction details for employees (deduction name, amount, effective date).

Calculate total deductions for a specific employee.

* **Collaborators:**

Employee

PayrollSystem

**Class: Tax**

* **Responsibilities:**

Store tax information (employee ID, tax amount).

Calculate the tax amount for an employee.

* **Collaborators:**

Employee

PayrollSystem

**Class: PayrollClaim**

* **Responsibilities:**

Manage payroll claims for employees.

Store details like claim date, hours worked, and hourly rate.

Determine if a claim is late.

Calculate gross pay for the claim.

* **Collaborators:**

Employee

PayrollSystem