**CRC CARDS FOR EACH CLASS**

|  |  |
| --- | --- |
| **EMPLOYEE** | |
| **Responsibilities**   * Stores employee information(name, address * Provides getters and setters * Calculates Base pay(implemented in subclasses) * Formats employee information to string * Ensures unique payslips * Parses and formats dates. | **Collaborators**   * Payslip * Subclasses; Full-time time and part-time |

|  |  |
| --- | --- |
| **PART-TIME EMPLOYEE** | |
| **Responsibilities**   * Stores and manages the hours worked and the hourly rate for a part time employee * Manages details related to Part-time employees(inherited from the employee class. * Calculates the employees base pay * Calculates if it’s the second Friday of the month to ensure pay claims are submitted by that date. * Verifies if the last claim was submitted within the correct time frame * Provides a toString() method to include part time employee specific information like hours worked, hourly pay and last claim date. * Provides access to data fields like hours worked, hourly rate, and lastclaimdate(getters and setters) | **Collaborators**   * Employee * Position |

|  |  |
| --- | --- |
| **FULL-TIME EMPLOYEE** | |
| **Responsibilities**   * Manages details related to full time employees(inherited from the Employee class) * Calculates the base pay for full time employees based on their rank and position on the salary scale * Increments the employee’s rank within the salary scale, if employee is not at the top yet. | **Collaborators**   * Employee * Position |

|  |  |
| --- | --- |
| **PAYSLIP** | |
| **Responsibilities**   * Stores employee details and the day they got paid * Calculates deductions such as PRSI,USC, PAYE and union fees * Calculates net pay * Has method that prints formatted payslip details | **Collaborators**   * Employee * PartTimeEmployee * FullTimeEmployee * LocalDate |

|  |  |
| --- | --- |
| **PAYROLL SYSTEM** | |
| **Responsibilities**   * Adds, removes or promotes employees. * Retrieves employee and their position details * Loads employee and position data from CSV files. * Updates employee details in the CSV file * Generates payslips for employees * Handles rank promotions and salary scales adjustments * Manages simulation date operations for testing payroll functions * Advances the system date * Displays employee login instructions | **Collaborators**   * Employee * FullTimeEmployee * PartTimeEmployee * Position * Payslip |

|  |  |
| --- | --- |
| **PAYROLL EXCEPTION** | |
| **Responsibilities**   * Error Handling | **Collaborators**   * PayRollSystem |

|  |  |
| --- | --- |
| **POSITION** | |
| **Responsibilities**   * Stores and provides access to a job title, pay scale, and category * Formats position details for display. | **Collaborators**   * Employee * PayRollSystem |

|  |  |
| --- | --- |
| **MENU** | |
| **Responsibilities**   * Provides CLI that allows users to interact with payroll. * Allows users to see their details, recent payslips, and historical payslips. * Admins can add or remove employees. * HR can view employee details and promote an employee. * Part-time employees can submit pay claims, and all employees manage promotion offers, and advance time. | **Collaborators**   * Employee * Payslip * Payroll * Part-time employee * Payroll exception |

|  |  |
| --- | --- |
| **MENU SIMULATION** | |
| **Responsibilities**   * Initialises the payroll system * Starts the application and connects its main components. | **Collaborators**   * PayRollSystem * Menu |