

CRC Cards

Employee

Responsibilities

- Set and store the data for a given employee.

- Get any given piece of data about an employee so that it can be analyzed or otherwise used by other methods.

Collaborations

- The “EmployeeContainer” class, which will hold objects of this class.

EmployeeContainer

Responsibilities

- Get the number of employees currently stored in the container.

- Get the average salary of the employees stored in the container.

- Get the average age of the employees stored in the container.

- Sort the employees in the container in order of lowest employee ID to highest.

- Add an employee to the bag.

- Write the employee data to the console.

Collaborations

- The employee class which the container holds.

EmployeeContainer

- container : employee*
- numEmployees : int

+ getNumEmployees() : int
+ getAvgSalary() : double
+ getAvgAge() : int
+ sortByID() : void
+ addEmployee (in newEmployee : Employee) : boolean
+ exportEmployeeData() : boolean



1

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Employee

- name : String
- employeeID : int
- age : int
- salary : double

+ setName(in newName : String)
+ setEmployeeID (in newEmployeeID : int)
+ setAge (in newAge : int)
+ setSalary (in newSalary : double)
+ getName() : String
+ getEmployeeID() : int
+ getAge() : int
+ getSalary() : double