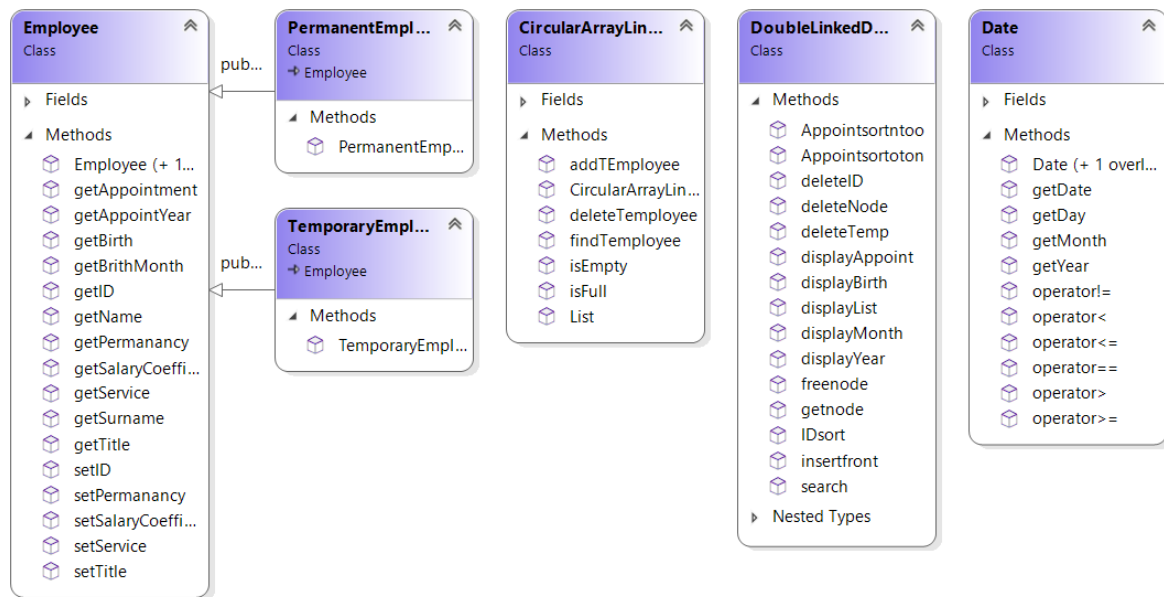Mehmet Ertaş

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Assignment 2

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In this assignment we were asked to make a employee registration system that uses a circular list and a doubly linked list. Then we were tasked to make a menu system and different actions such as deleting or adding employees.

I've started with the Date class first as I planned it to use it in Employee class. Then I've made Employee superclass with TemporaryEmployee and PermanentEmployee subclasses. After I've made sure that I can access everything easily I've started to make my circular list. Then I made the double linked list. And after I've made every class I'll be using I've started working on the main program and finished it soon after.

Employee
Class

▷ Fields
▲ Methods
  ⬡ Employee (+ 1...
  ⬡ getAppointment
  ⬡ getAppointYear
  ⬡ getBirth
  ⬡ getBrithMonth
  ⬡ getID
  ⬡ getName
  ⬡ getPermanancy
  ⬡ getSalaryCoeffi...
  ⬡ getService
  ⬡ getSurname
  ⬡ getTitle
  ⬡ setID
  ⬡ setPermanancy
  ⬡ setSalaryCoeffi...
  ⬡ setService
  ⬡ setTitle

pub...

PermanentEmpl...
Class
⬧ Employee

▲ Methods
  ⬡ PermanentEmp...

pub...

TemporaryEmpl...
Class
⬧ Employee

▲ Methods
  ⬡ TemporaryEmpl...

CircularArrayLin...
Class

▷ Fields
▲ Methods
  ⬡ addTEmployee
  ⬡ CircularArrayLin...
  ⬡ deleteTemployee
  ⬡ findTemployee
  ⬡ isEmpty
  ⬡ isFull
  ⬡ List

DoubleLinkedD...
Class

▲ Methods
  ⬡ Appointsortntoo
  ⬡ Appointsortoton
  ⬡ deleteID
  ⬡ deleteNode
  ⬡ deleteTemp
  ⬡ displayAppoint
  ⬡ displayBirth
  ⬡ displayList
  ⬡ displayMonth
  ⬡ displayYear
  ⬡ freenode
  ⬡ getnode
  ⬡ IDsort
  ⬡ insertfront
  ⬡ search
▷ Nested Types

Date
Class

▷ Fields
▲ Methods
  ⬡ Date (+ 1 overl...
  ⬡ getDate
  ⬡ getDay
  ⬡ getMonth
  ⬡ getYear
  ⬡ operator!=
  ⬡ operator<
  ⬡ operator<=
  ⬡ operator==
  ⬡ operator>
  ⬡ operator>=

References:

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https://www.geeksforgeeks.org

https://stackoverflow.com