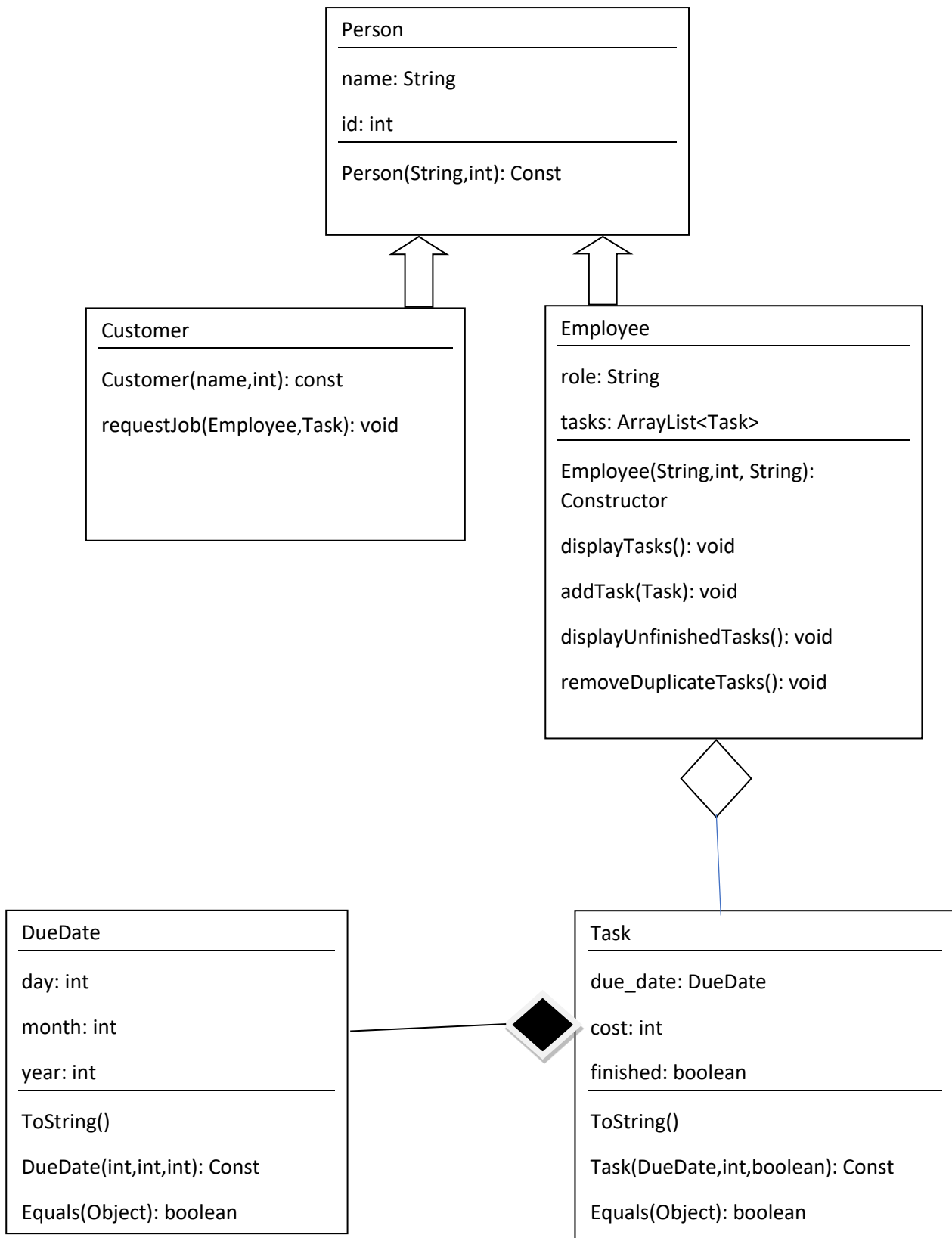


CENG 344 Lab Assignment 4



CENG 344 Lab Assignment 4

Write a Java program for task managements for employees and customers. Person is the parent class and Customer and Employee classes are both children of this class. Person has name as String type and id as int. Customer class has requestJob(Employee,Task) method to give task to any existing employee. Employees have roles and tasks stored in an ArrayList. In class there are functions to check for tasks of each employees and also it is possible to print out unfinished tasks only. Also, when there is a duplicate tasks, there is a method to remove them. Tasks have due dates, cost and status if they are finished or not. Moreover, Task class has overridden Equals() method to check if they are the same or not. DueDate class has day, month and year information and equals method just like Task Class. Do not forget to write getters and setters for each class variables as well as ToString() methods.

Sample Output:

Number of Employees that you want to add: **2**

Enter name, id and Role: **Michael Masi 101
Fronthand**

Enter name, id and Role: **Ross Brawn 102
Backhand**

Number of Customer that you want to add: **2**

Enter name and id: **Toto Wolff 1001**

Enter name and id: **Christian Horner 1002**

Enter how many tasks to get done: **3**

Task 1:

DueDate(day month year): **11 12 2022**

Cost: **1050**

Finished: **false**

Task 2:

DueDate(day month year): **07 11 2022**

Cost: **3000**

Finished: **true**

Task 3:

DueDate(day month year): **07 11 2022**

Cost: **3000**

finished: **true**

Choose employee id to assign task 1 and
customer id: **102 1001**

Choose employee id to assign task 2 and
customer id:: **101 1002**

Choose employee id to assign task 3 and
customer id:: **101 1001**

Updated Tasks For Each Employee:

Michael Masi 101:

Task 1: Due Date: 11 12 2022 Cost: 1050
finished: false

Ross Brawn 102:

Task 1: Due Date: 07 11 2022 Cost: 1050
finished: true

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