CS251: Intro to Software Engineering

Homework 2 (4 marks)

Due Date 26 April 2021 @ 11:00 pm (submit on Blackboard)

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**CS251 – Introduction to Software Engineering, 2021**

**Each student fills this form for his program and gives it to TA**

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The questions to answer about each program are included in the following form. **Print and fill**

**this form and bring with you to the discussion.**

**Student name: Nader Atef Zaki** **ID: 20190575 Group: S2**

**Which Program (Idea for task 2) did you choose?** Problem 1 the Accounts

**Which of the following Java / OOP features did you use in your program?**

1. How many classes did you create and their names?

2 Classes Account and SpecialAccount

2. How many different access specifiers did you use and their names? 2 public and protected

3. How many Java coding style rules did you use and which ones?

5: variable name, class name, indentation, method names, control statements

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4. How many Javadoc tags did you use and which ones?

4 param, version, author, return

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5. Did you use inheritance? When and why?

Yes the special account inherits from the normal account

Because it has the same features except for one method that was overridden

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6. Did you use method overriding? When and why?

Yes, to change the behavior of a parent class method, and the toString method to return the string representation of the class

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7. Did you use method composition? When and why?

No

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8. Did you use method polymorphism? When and why?

No

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**Draw in the space below a simple UML class diagram that shows your main classes, their**

**attributes and operations and their interactions with each other.**

TA Name: ………………………………………… Mark: ……..

