Johns Hopkins University
CTY*Online*

Advanced Java Programming

Assignment 2

An Account class models a bank account. The Account class has the properties account number, balance, annual interest rate, and date created. It also has methods to deposit and withdraw funds. The date created should use a class defined in assignment 1…either a Date class or a LongDate class will suffice. The Account class should also be abstract.

Design and code two subclasses of Account…SavingsAccount and CheckingAccount. A checking account has an overdraft limit, but a savings account cannot be overdrawn. Write a program that creates a SavingsAccount object and a CheckingAccount object, makes at least two deposits and withdrawals, and displays all data attributes for each of the objects.

Please comment your code and make good use of indentation and white space.

Submit the source code (the .java file) for your program and a screen shot of the program output in a zip file named as follows: Assignment2 followed by an underscore (_), followed by your first name initial, followed by your last name, followed by your CTYOnline student ID. For example, if your name is Jane Smith and your student ID is 999999, your zip file would be *Assignment2_jsmith999999.zip*.