

EXERCISES UNIT TESTING

EXERCISE 1:

Download the 'Bank' solution from blackboard. Take a look at the CheckingAccount and the SavingsAccount class. Write unit tests to test each method in both classes. Don't forget to include test for the methods each class inherits from the BankAccount class. Focus on different combinations for each method. There are at least 8 oversights/errors in these 2 classes! Try to find them all.

Things you might want to think about:

- Is the balance of an account correct after construction?
- Does the balance increase after doing a deposit?
- Does the balance increase correctly after yearly interests are processed?
- What should happen if I try to deposit a negative amount?
- Does the balance decrease after doing a withdraw?
- What should happen if I try to withdraw a negative amount?
- Is it possible to have a balance less than zero?
- Is it possible to start with a balance less than zero?
- Is it possible to withdraw more money than you have?
- What should happen to the interest rate If the balance goes below zero? Maybe a negative interest should be applied?
- Does the "ToString" method return a text that contains the owner name and the balance?