

## **Java Assignment**

While we will consider applicants whose primary language is not Java, it is the language used in many of our existing applications. For this reason, we would like to gauge your proficiency in Java to ensure you have adequate knowledge to perform well in the position. The focus of this simple assignment is the thought behind your solution. As such, please clearly indicate any assumptions you have made as part of your solution.

### **Task:**

Implement a coin jar (or piggy bank) as an object in Java with the following requirements:

- will only accept Canadian coins, all other currencies should be rejected.
- has a volume of 10cm<sup>3</sup>, any attempt to deposit more coins into the jar once it is full should fail.
- has the ability to report the total amount of money collected.
- has the ability to be emptied and reset back to \$0.00.

### **Expectations:**

Your solution should demonstrate your understanding of object-oriented programming and software development best practices. Your submission should include a complete set of test cases that prove your solution meets the requirements set out above. You are not expected to include a user interface as part of your solution.

Thank you for taking the time to complete this task. We look forward to reviewing your submission.